obcc

ଓଡ଼ିଶା ସେତୁ ଓ ନିର୍ମାଣ ନିଗମ ଲିଃ

(ଓଡ଼ିଶା ସରକାରଙ୍କ ପୂର୍ତ୍ତ ବିଭାଗ ଅଧିନର ଏକ ଉଦ୍ୟୋଗ)

ODISHA BRIDGE & CONSTRUCTION CORPORATION LIMITED

(A Government of Odisha Undertaking under Works Department)

EKAMRA DIVISION, BHUBANESWAR

AGGREEMENT FOR THE WORK

SPECIAL REPAIR (STRUCTURAL) TO THE DHAULI SHANTI STUPA FOR THE YEAR 2021-22 ON TURNKEY BASIS

With

The Sealcoat Structural Works Private Limited

Contract value	: Rs. 99,80,683.00
Contract Period	: 05 Months
Date of commencement	: 10.01.2022
Stipulated date of completion	: 09.06.2022
Contract No.	: 11-Turnkey/SPM,EKM/2021-22

VOLUME – I

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AGREEMENT

0001

भारतीय गैर न्यायिक

एक सौ रुपये Rs. 100

रु. 100 ONE HUNDRED RUPEES

सत्यमेव जयते

भारत INDIA

INDIA NON JUDICIAL

ଓଡ଼ିଶା ओड़िशा ODISHA N 629550

TURNKEY CONTRACT

For the work

SPECIAL REPAIR (STRUCTURAL) TO THE DHAULI SHANTI STUPA FOR THE YEAR 2021-22 ON TURNKEY BASIS OF GOVERNMENT OF ODISHA

THIS AGREEMENT made the **day of January, 2022**, between the **Odisha Bridge & Construction Corporation Limited,** Setu Bhawan, Nayapalli, Bhubaneswar-751012, Odisha (India) on behalf of the Government of Odisha in Works Department, Lok Seba Bhaban, Bhubaneswar-751001 (hereinafter "the Employer"), of the one part, and

M/s. The Sealcoat Structural Works Private Limited, 43,1 Park Tower, Ekamra Marg, Ganga Nagar, Unit - VI, Bhubaneswar - 751001, (hereinafter "the Contractor"), of the other part for an amount of **Rs.99,80,683 (Indian Rupees Ninety-Nine lakhs Eighty thousand Six hundred Eighty Three)** only.

WHEREAS the Employer desires that the Works known as "Special repair Structural to the Dhauli Shanti Stupa for the year 2021-22 on Turnkey basis" should be executed by the Contractor and has accepted a Bid offered by the Contractor for the execution and completion of these Works and the remedying of any defects therein.

For The Seal Coat
Structural Works (P) Ltd.
Sanjoy Keshari Dey
Manager

10/1/22

0002

No 37498
21.12.21

The Sender

Gutb

DISTRICT TREASURY
KHURDA, BHUBANESWAR
14 DEC 2021
ADDL. TREASURY

21.12.21

Gangadhar Hosda

Dilllp Kumar Sahoo
Stamp Vendor
DSR Office ID No.-27
Bhubaneswar Court

The Employer and the Contractor agree as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract documents referred to.
2. In consideration of the payments to be made by the Employer to the Contractor as indicated in this Agreement, the Contractor hereby covenants with the Employer to execute the Works and to remedy defects therein in conformity in all respects with the provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
4. The following documents shall be deemed to form and be read and construed as part of this Agreement. This Agreement shall prevail over all other Contract documents.
    - i. Contract Agreement
    - ii. Letter of Acceptance
    - iii. Performance Security
    - iv. Contractor's Bid
    - v. Work Programme
    - vi. Contract Data.
    - vii. Condition of Contract (including Special Conditions of Contract).
    - viii. Specification.
    - ix. Drawings.
    - x. Bill of Quantity.
    - xi. Payment Schedule.
    - xii. Other Documents (Prebid Response, PAN, GSTIN, Key Personnel, Plant & Machinery, Liquid Assets, RoC)

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of INDIA on the day, month and year indicated above.

For and on behalf of
M/s The Sealcoat Structural Works Private Limited

Sangram Keshari Das

(Sri Sangram Keshari Das)
Manager, Authorized Representative for M/s The Sealcoat Structural Works Private Limited (Attorney Holder)

Witness:
Om Prakash Mohanty
Site Engg. (Sealcoat)
Flat-1, Park Tower, Gangahagar
BBSR

For and on behalf of Employer, i.e.
ODISHA BRIDGE & CONSTRUCTION CORPORATION LIMITED
(A Government of Odisha Undertaking)

10/1/22

(Er. Rasmi Ranjan Sahoo)
Senior Project Manager, Ekamra Division, Odisha Bridge & Construction Corporation Limited

Witness:
Chaitan Prasad Majhi
Project Manager, Ekamra Division
OB&CC Ltd, BBSR

obcc

ଓଡ଼ିଶା ସେତୁ ଓ ନିର୍ମାଣ ନିଗମ ଲିଃ
(ଓଡ଼ିଶାସରକାରଙ୍କପୂର୍ତ୍ତ ବିଭାଗ ଅଧିନର ଏକଉଦ୍ୟୋଗ)

ODISHA BRIDGE & CONSTRUCTION CORPORATION LIMITED
(A Government of Odisha Undertaking under Works Department)

No: 9507
File: SMT-1763

Date: 3.12.2021

From:

Er. Dukhabandhu Behera
Sr. Chief General Manager,
O.B.& C.C. Ltd, Bhubaneswar

To

The Sealcoat Structural Works Private Limited,
FLAT NO-1, Park Tower, Ekamra Marg, Ganga Nagar, Unit-6,
Bhubaneswar, Khordha-751001, Email: sealcoatbbsr@gmail.com

Sub: **Special repair (Structural) to the Dhauli Shanti Stupa for the year 2021-22 on Turnkey basis - Issuance of Letter of Acceptance.**

Ref: i.) Bid Identification No. 27/Tender/OBCC/2021-22
[Online Tender ID: 2021_OBCC_71549_1]
ii.) Your Technical Bid opened on 29.10.2021 & Financial Bid opened on 16.11.2021.

Dear Sir,

This is to intimate that the Technical & Financial Bid for the work "**Special repair (Structural) to the Dhauli Shanti Stupa for the year 2021-22 on Turnkey basis"** opened online on 14.09.2021 and 27.09.2021 respectively. You have been selected as L1 Bidder, at a Contract Price of **₹99,80,682.50** (Rupees Ninety-nine lakh eighty thousand six hundred eighty-two) only excluding applicable GST is hereby accepted. GST will be paid extra as applicable.

You are requested to furnish the detail Work Programme and milestone wise activity as per Para 31.3 of ITB to complete the contract negotiation within 14 days of this Notification of Award. Further, you are hereby requested to furnish Performance Security in the form detailed in Para 32.1 of ITB for an amount of **Rs 2,99,420.475** within **21** days of the receipt of this letter of acceptance and sign the contract failing which action as stated in Para 31.5 and Para 32.3 of ITB will be taken.

Yours sincerely,

3/12/21

Sr. Chief General Manager

Copy to: -

1. Manager Finance, OB&CC Ltd., Vikash Bhawan, Bhubaneswar for information and necessary action.
2. Senior Project Manager, EKAMRA Division, OB&CC Ltd.

For The Seal Coat Structural Works (P) Ltd.
Manager

10/1/22
Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

obcc

ଓଡ଼ିଶା ସେତୁ ଓ ନିର୍ମାଣ ନିଗମ ଲିଃ

(ଓଡ଼ିଶା ସରକାରଙ୍କ ପୂର୍ତ୍ତ ବିଭାଗ ଅଧିନର ଏକ ଉଦ୍ୟୋଗ)

ODISHA BRIDGE & CONSTRUCTION CORPORATION LIMITED

(A Government of Odisha Undertaking under Works Department)

No: 10227
File: SMT-1763

Date: 28.12.2021

From,

Er. Dukhabandhu Behera
Sr. Chief General Manager, OB & CC Ltd.
Email: circle2@obcc.in

To,

The Senior Project Manager
Ekamra Division, OB& CC Ltd.
Email: bbsrdiv2@gmail.com

Sub: **Structural (Special) repair to the Dhauli Shanti Stupa for the year 2021-22.**

Ref: Bid Identification No.**27/Tender/OBCC/2021-22**
Tender ID: **2021_OBCC_71549_1**

Sir,

You are hereby authorized to execute agreement on behalf of OB & CC Ltd. for the above-mentioned work with the agency M/s The Sealcoat Structural Works Private Limited, Bhubaneswar following all codal provisions & the conditions set forth in the RFP.

The following documents related to the tender are sent herewith for information & necessary action at your end:

1. NIT with paper cuttings vide letter No.7937 dtd 30.09.2021 & letter No.7939 dtd 30.09.2021
2. RFP invited vide Bid Id No. 27/Tender/OBCC/2021-22
3. Bid Security declaration form by bidders
4. Technical Bid Opening Summary
5. Technical bid evaluation sheet
6. Technical presentation evaluation summary
7. Minutes of Meetings of Scrutiny Committee dated 6.11.2021 at 5:00PM and Technical Evaluation Committee Meeting dated 11.11.2021 at 5:00PM
8. Technical Bid of M/s Sealcoat Structural Works Private Limited, M/s TECHNOCRATS CONSTRUCTION & CONSULTANCY SERVICES, M/s Structural Specialities & Projects India Pvt. Ltd, M/s JKS ENGINEERING
9. Financial Bid Opening Summary (BOQ Summary Details)

For The Sealcoat Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

10. Negotiation letter received from M/s Sealcoat Structural Works Private Limited dated 22/11/2021
11. Comparative Statement of bids
12. LOA vide this office letter No.9507 dated 3.12.2021
13. Work Programme submitted by M/s Sealcoat Structural Works Private Limited vide their letter No. SC/OBCCL/21-22/358 dated 18/12/2021
14. Performance Security in shape of FDR submitted by M/s Sealcoat Structural Works Private Limited vide their letter No. SC/OBCCL/21-22/358 dated 15/12/2021
15. Confirmation of FDR by concerned bank vide email

Yours faithfully,

Encl : As above

28.12.2021

Sr. Chief General Manager

CC to: -

i. Manager Finance, OB&CC Ltd., Bhubaneswar.
ii. M/s The Sealcoat Structural Works Private Limited

For information.

For The Seal Coat
Structural Works (P) Ltd.
Manager

10/1/22
Sr. Project Manager
Ekamra Division
O.B.&C.C. Ltd.
Bhubaneswar

Dt-04-01-2022.

भारतीय गैर न्यायिक

भारत

दस रुपये

TEN RUPEES

Rs. 10

सत्यमेव जयते

INDIA NON JUDICIAL

JAGYNESWAR ACHARYA
NOTARY, GOVT. OF INDIA
BBSR, DIST- KHURDA, ODISHA
REGD. NO. 7791/2009
MOB: 8455885397

ओड़िशा ओडिशा ODISHA 52AA 250841

BEFORE NOTARY PUBLIC

SPECIAL POWER OF ATTORNEY

To Know ALL MEN BY THESE PRESENTS :-

on this the *4th January 2022* (Two thousand twenty two) I **Sri. Biswajit Bhuyan**, son of Sri. Debendra Nath Bhuyan, **Managing Director of The Seal Coat Structural Works (P) Ltd.,** 43 (P) 1, Park Tower, Ganga Nagar, Unit-VI, Bhubaneswar-751 001. Dist-Khurda do hereby empowered to **Sri. Sangram Keshari Das** son of Basant Kumar Das, At/Po- Nembara, Dist-Kendrapara, Odisha, as a lawful Attorney holder of **The Seal Coat Structural Works (P) Ltd., "Super Class Govt. Contractor"** who do all the requisite acts along-with deeds of dealing contract in the name of the aforesaid Firm to sign Agreement, Measurement Books and Bills, to receive payments in shape of DD/Cheque, to negotiate the contractual matter with and under **The Sr. Chief General Manager, OB & CC Ltd., Nayapalli, Bhubaneswar-751010** for the work of ***"Special rapair (Structural) to the Dahuli Shanti Stupa for the year 2021-22 on Turnkey basis"*** only.

IN WITNESS WHEREOF, I have signed the Power of Attorney in the presence of the following witnesses on the *4th January 2022* at Bhubaneswar. This Power of Attorney will be inforced till the completion of the above said work.

For The Seal Coat Structural Works (P) Ltd
Biswajit Bhuyan
Managing Director

WITNESSES:-

1. Om Prakash Mohaly
Flat-1, Park Tower Gangaragar
BBSR
2. Ganesh Hem
43(P) 1, Ram
unit-VI, BBSR

EXECUTANT

Sangram Keshari Das

Attorney Holder.

Notary Public Bhubaneswar.

JAGYNESWAR ACHARYA
NOTARY, GOVT. OF INDIA
BBSR, DIST- KHURDA, ODISHA
REGD. NO. 7791/2009
MOB: 8455885397

IDENTIFIED BY ME
ADVOCATE, BBSR

Sangram Keshari Das

Seal Coat Structural Works (P) Ltd.
Manager

10/1/22

0008

421
04 01 2022

The Seal Coat Sh 91
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13

J.N. MOHAPATRA
Stamp Vendor
Bhubaneswar Court

For The Seal Coat Structural Works (P) Ltd.
Managing Director

Gangadhar Hesde

ଭାରତ ସରକାର

Government of India

ସଂଗ୍ରାମ କେଶରୀ ଦାସ

SANGRAM KESHARI DAS

ପିତା : ବସନ୍ତ କୁମାର ଦାସ

Father : BASANTA KUAMR DAS

ଜନ୍ମ ତାରିଖ / DOB : 24/04/1970

ପୁରୁଷ / Male

9545 4286 1185

ମୋ ଆଧାର, ମୋ ପରିଚୟ

ଆଧାର

ଭାରତୀୟ ବିଶିଷ୍ଟ ପରିଚୟ ପ୍ରାଧିକରଣ

Unique Identification Authority of India

ଠିକଣା:
ପିତା ଙ୍କ ନାମ / ମାତା ଙ୍କ ନାମ: ବସନ୍ତ କୁମାର ଦାସ, ... ପୋଷ୍ଟ-ନେମ୍ବରା, ନେମ୍ବରା, କେନ୍ଦ୍ରାପଡ଼ା, ନେମ୍ବ୍ରା, ଓଡିଶା, 754212

Address:
S/O: Basanta Kumar Das, ... POST-NEMBARA, Nembara, Kendrapara, Nembra, Odisha, 754212

9545 4286 1185

1947 | help@uidai.gov.in | www.uidai.gov.in

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

THE SEALCOAT
STRUCTURAL WORKS (P) LTD.
FLAT NO. 1, PARK TOWER, EKAMRA MARG, GANGANAGAR, UNIT-VI, BHUBANESWAR-751001, PH : (0674) 2595059, FAX : 2595159
GRAM : SEALCOAT, E-mail : sealcoatbbsr@gmail.com

EXTRACT FROM THE MINUTES OF THE MEETING OF THE BOARD OF DIRECTORS OF
M/S. THE SEAL COAT STRUCTURAL WORKS PVT. LTD.,
HELD AT ITS REGISTERED OFFICE AT
43 (P), FLAT NO-1, PARK TOWER, EKAMRA MARG, UNIT-VI, GANGANAGAR,
BHUBANEWAR-751001 ON 1ST SEPTEMBER 1997.

DIRECTORS PRESENT :-

1. *Mr. Biswajit Bhuyan*
2. *Mrs. Barnali Bhuyan*

Resolved that in pursuance of Article (28) of the Articles of Association of the Company ***Mr. Biswajit Bhuyan*** be and is hereby appointed as the ***"Managing Director"*** of the Company with effect from ***1st September 1997*** on a monthly remuneration **Rs. 7,500.00** per month.

FURTHER RESOLVED that subject to the provisions of **Section 292** of the **Companies Act, 1956** and subject to the superintendence and control of Board of Directors of the **Managing Director** shall have power to manage whole of the affairs of the Company.

-Sd-
(CHAIRMAN)

Certified Copy

Signature & Seal of the
Managing Director
For The Seal Coat Structural Works (P) Ltd.
Biswajit Bhuyan
Managing Director

Signature & Seal of the
Director
For The Seal Coat Structural Works (P) Ltd.
Barnali Bhuyan
Director

For The Seal Coat Structural Works (P) Ltd
Biswajit Bhuyan
Managing Director

For The Seal Coat
Structural Works (P) Ltd.
Manager

True Copy Attested
Jagyneswar Acharya
Notary, Govt. Of India
Odisha, BBSR, Dist-Khurda
Regd. No.-3791/2009

Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

Authorised Dealer-cum-Applicator of
SIKA INDIA Pvt. LIMITED
AN ISO 9001 COMPANY
AN INDO SWISS JOINT VENTURE

SPECIALIST IN : MODERN WATER PROOFING AND ANTICORROSIVE COATING • PROTECTING & STRENGTHENING R.C.C. STRUCTURES • EPOXY GROUTING INDUSTRIAL FLOORING LININGS • SEALING OF EXPANSION JOINTS • SHORT CONCRETING SOIL TABILIZING

ISO 9001
DNV
CERTIFIED FIRM

THE SEALCOAT
STRUCTURAL WORKS (P) LTD.
FLAT NO. 1, PARK TOWER, EKAMRA MARG, GANGANAGAR, UNIT-VI, BHUBANESWAR-751001, PH-(0674)2595059, FAX-2595159
GRAM : SEALCOAT, E-mail : sealcoatbbsr@gmail.com

SC/OBCCL/21-22/ 358
Date :18/12/2021

To

The Sr. Chief General Manager,
OB & CC Ltd.,
Vikash Bhavan, Nayapalli,
Bhubaneswar-751010

Sub : Submission of Work Programme for the work of **"Special repair (Structural) to the Dhauli Shanti Stupa for the year 2021-22 on Turnkey basis".**

Dear Sir,
Enclosed please find herewith the work programme for the work of **"Special repair (Structural) to the Dhauli Shanti Stupa for the year 2021-22 on Turnkey basis".**

This is for your kind information.

Thanking you.

Yours faithfully,
For The Seal Coat S.W. (P) Ltd.,
Bheswajit Bhuyan

Managing Director

SM (PZD)

Copy to SPM Ekamra Dim for n/a

20/12/21

10/1/22
Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

M. Manike, PM
Pl. intimate to SPM, Ekamra Div.
24/12

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sika ®
Authorised Dealer-cum-Applicator of
SIKA INDIA Pvt. LIMITED
AN ISO 9001 COMPANY
AN INDO SWISS JOINT VENTURE

DEALS IN : ROAD CONSTRUCTION
SPECIALIST IN : MODERN WATER PROOFING AND ANTICORROSIVE COATING • PROTECTING & STRENGTHNING RCC STRUCTURES • GROUPING INDUSTRIAL FLOORING LINNINGS • SEALING OF EXPANSION JOINTS • SHORT CONCRETING SOIL TABLIZING

ISO - 9001
DNV
CERTIFIED FIRM

Special repair (Structural) to The Dhauli Shanti Stupa for the year 2021-22 on Turnkey Basis

Sl No	Stages of work Schedule	Work Schedule																			
		1st Month				2nd Month				3rd Month				4th Month				5th Month			
		w-1	w-2	w-3	w-4	w-5	w-6	w-7	w-8	w-9	w-10	w-11	w-12	w-13	w-14	w-15	w-16	w-17	w-18	w-19	w-20
1	scaffolding in ground area																				
	scaffolding in dome area																				
	Testing in Ground Area																				
	Testing in Dome Area																				
	Preparation & submission of report																				
2	Removal of unsound concrete parts																				
3	Application of corrosion inhibitors																				
4	Cleaning of corroded rainforcement																				
5	Application of zinc-based epoxy																				
6	Application of solvent free epoxy resin																				
7	Repair with micro concrete																				
8	Polymer based cement plastering																				
9	Sealing of cracks																				
10.a	Injection Grouting in honeycombed area																				
11	Application of waterproofing																				
12	Anti-Carbonation Exterior painting																				
13	Anti-skid Tiles including base preparation																				
14	Removing white or colour wash																				
15	12mm. Thick Cement Plaster																				
16	Supply,fitting & placing of HYSD rainforcement																				
17	Supply,fitting & fixing of M.S Shutter																				
18	On handover to client																				

Note :- The Starting date the schedule will start effective from the next day of agreement.

For The Seal Coat Structural Works (P) Ltd
Beswajit Bhuyan
Managing Director

Prepared by
For The Sealcoat S. W. (P) Ltd.

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

Verified by
For Sika India (P) Ltd.

For The Seal Coat Structural Works (P) Ltd.
Sarm Keer DS
Manager

Approved by
For OB & CC

0012

The Seal Coat Structural works PVT Ltd

0013

Gmail

Manager-Finance OBCC <managerfinance.obcc@gmail.com>

Confirmation of FDR

3 messages

Manager-Finance OBCC <managerfinance.obcc@gmail.com>
To: sudhansu.bhusan@icicibank.com

Sat, Dec 18, 2021 at 11:16 AM

Sir,
Please Confirmation of FDR No. 658613005738 dtd. 15.12.2021 for Rs. 1,98,000/- & FDR No. 658613005739 dtd. 15.12.2021 for Rs. 1,02,000/- towards Performance Security for the work of " special repair (Structural) to the Dhauli Shanti Stupa for the year 2021-22 on Turnkey basis".

Allan Panda
Manager Finance , O.B.&C.C.Ltd.

FDR.pdf
2611K

Sudhansu Kar /TASC&GBG_D/IBANK/BHUBANESHWAR <sudhansu.bhusan@icicibank.com>
To: "managerfinance.obcc@gmail.com" <managerfinance.obcc@gmail.com>

Mon, Dec 20, 2021 at 1:24 PM

Dear sir
Please go through the trail mail

Regards
Sudhansu Kar

From: Aishwarya Ratha /TxBG/IBANK/BBSR <aishwarya.ratha@icicibank.com>
Sent: Saturday, December 18, 2021 4:22:58 PM
To: Sudhansu Kar /TASC&GBG_D/IBANK/BHUBANESHWAR <sudhansu.bhusan@icicibank.com>
Cc: Rayal Panda /TxBG/IBANK/BBSR <rayal.panda@icicibank.com>; Himalaya Bastia /TxBG/IBANK/BBSR <himalaya.bastia@icicibank.com>; Shanti Das /TASC&GBG_D/IBANK/BHUBANESHWAR <shanti.bardhan@icicibank.com>; Radha Mondal /KR/IBANK/BHUBANESHWAR <radha.shaw@icicibank.com>
Subject: Confirmation of FDR

Dear Sudhansu,

With reference to the below mail attached FDR please find below mentioned details of Term Deposit:

1. **FD number-658613005738 dated 15.12.2021 , Amount-Rs.1,98,000/-,**
2. **FD number-658613005739 dated 15.12.2021, Amount-Rs.1,02,000/-**

Regards

Aishwarya

From: Sudhansu Kar /TASC&GBG_D/IBANK/BHUBANESHWAR <sudhansu.bhusan@icicibank.com>
Sent: Saturday, December 18, 2021 12:49:23 PM
To: Aishwarya Ratha /TxBG/IBANK/BBSR <aishwarya.ratha@icicibank.com>
Cc: Lalatendu Pattanayak /TxBG/IBANK/RAIPUR <lalatendu.pattanayak@icicibank.com>; Ramkrishna Kumar /TASC&GBG_D/IBANK/BBSR <ramkrishna.kumar@icicibank.com>; Radha Mondal /KR/IBANK/BHUBANESHWAR <radha.shaw@icicibank.com>
Subject: Fwd: Confirmation of FDR

Dear Aishwarya,
Request you to please validate the FDR.
And confirm the same.

Regards
Sudhansu Kar

From: Manager-Finance OBCC <managerfinance.obcc@gmail.com>
Sent: Saturday, December 18, 2021 11:16:32 AM
To: Sudhansu Kar /TASC&GBG_D/IBANK/BHUBANESHWAR <sudhansu.bhusan@icicibank.com>
Subject: Confirmation of FDR

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

External Email Warning: Do not click on any attachment or links/URL in this email unless sender is reliable.

[Quoted text hidden]

For The Seal Coat Structural Works (P) Ltd.
Manager

FDR.pdf
2611K

Sudhansu Kar /TASC&GBG_D/IBANK/BHUBANESHWAR <sudhansu.bhusan@icicibank.com>
To: "managerfinance.obcc@gmail.com" <managerfinance.obcc@gmail.com>

Tue, Dec 21, 2021 at 5:11 PM

Fyi
Get Outlook for iOS

From: Sudhansu Kar /TASC&GBG_D/IBANK/BHUBANESHWAR <sudhansu.bhusan@icicibank.com>
Sent: Monday, December 20, 2021 5:44:26 PM
To: managerfinance.oncc@gmail.com <managerfinance.oncc@gmail.com>
Subject: Fwd: Confirmation of FDR

Dear Sir/Ma'am

Conformation of FDR of seal Coat.
24.12.21

est you to go through the trail mail.

t Outlook for iOS

From: Aishwarya Ratha /TxBG/IBANK/BBSR <aishwarya.ratha@icicibank.com>
Sent: Monday, December 20, 2021 5:34:19 PM
To: Sudhansu Kar /TASC&GBG_D/IBANK/BHUBANESHWAR <sudhansu.bhusan@icicibank.com>
Cc: Rayal Panda /TxBG/IBANK/BBSR <rayal.panda@icicibank.com>; Himalaya Bastia /TxBG/IBANK/BBSR <himalaya.bastia@icicibank.com>; Shanti Das /TASC&GBG_D/IBANK/BHUBANESHWAR <shanti.bardhan@icicibank.com>; Radha Mondal /KR/IBANK/BHUBANESHWAR <radha.shaw@icicibank.com>
Subject: Re: Confirmation of FDR

Dear Sudhanshu,

Kindly note the below two FDRs has been lien marked in favour of OB & CC Ltd Bhubaneswar

Regards

Aishwarya

From: Aishwarya Ratha /TxBG/IBANK/BBSR <aishwarya.ratha@icicibank.com>
Sent: Saturday, 18 December 2021, 4:22 pm
To: Sudhansu Kar /TASC&GBG_D/IBANK/BHUBANESHWAR
Cc: Rayal Panda /TxBG/IBANK/BBSR; Himalaya Bastia /TxBG/IBANK/BBSR; Shanti Das /TASC&GBG_D/IBANK/BHUBANESHWAR; Radha Mondal /KR/IBANK/BHUBANESHWAR
Subject: Confirmation of FDR

Dear Sudhansu,

With reference to the below mail attached FDR please find below mentioned details of Term Deposit

1. FD number-658613005738 dated 15.12.2021 , Amount-Rs.1,98,000/-,
2. FD number-658613005739 dated 15.12.2021, Amount-Rs.1,02,000/-

Regards

Aishwarya

From: Sudhansu Kar /TASC&GBG_D/IBANK/BHUBANESHWAR <sudhansu.bhusan@icicibank.com>
Sent: Saturday, December 18, 2021 12:49:23 PM
To: Aishwarya Ratha /TxBG/IBANK/BBSR <aishwarya.ratha@icicibank.com>
Cc: Lalatendu Pattanayak /TxBG/IBANK/RAIPUR <lalatendu.pattanayak@icicibank.com>; Ramkrishna Kumar /TASC&GBG_D/IBANK/BBSR <ramkrishna.kumar@icicibank.com>; Radha Mondal /KR/IBANK/BHUBANESHWAR <radha.shaw@icicibank.com>
Subject: Fwd: Confirmation of FDR

Dear Aishwarya,
Request you to please validate the FDR.
And confirm the same.

Regards
Sudhansu Kar

From: Manager-Finance OBCC <managerfinance.obcc@gmail.com>
Sent: Saturday, December 18, 2021 11:16:32 AM
To: Sudhansu Kar /TASC&GBG_D/IBANK/BHUBANESHWAR <sudhansu.bhusan@icicibank.com>
Subject: Confirmation of FDR

External Email Warning: Do not click on any attachment or links/URL in this email unless sender is reliable

Sir,
[Quoted text hidden]

10/1/22
Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

For The Orissa Coal
Structural Works (P) Ltd.
Manager

.. 0015

THE SEALCOAT
STRUCTURAL WORKS (P) LTD.
FLAT NO. 1, PARK TOWER, EKAMRA MARG, GANGANAGAR, UNIT-VI, BHUBANESWAR-751001, PH-(0674)2595059, FAX-2595159
GRAM : SEALCOAT, E-mail : sealcoatbbsr@gmail.com

SC/OBCCL/21-22/856
Date :15/12/2021

To

The Sr. Chief General Manager,
OB & CC Ltd.,
Vikash Bhavan, Nayapalli,
Bhubaneswar-751010

Sub : Submission of Performance Security in shape of FDR. No.658613005738 dtd. 15.12.2021 for Rs. 1,98,000.00 (Rupees one lakh ninety eight thousand and FDR. No.658613005739 dtd. 15.12.2021 for Rs. 1,02,000.00 (Rupees one lakh two thousand for the work of **"Special repair (Structural) to the Dhauli Shanti Stupa for the year 2021-22 on Turnkey basis".**

Dear Sir,
Enclosed please find herewith the Performance Security as cited above for the work of **"Special repair (Structural) to the Dhauli Shanti Stupa for the year 2021-22 on Turnkey basis".**

This is for your kind information and necessary action please.

Thanking you.

Yours faithfully,
For The Seal Coat S.W. (P) Ltd.,
Biswajit Bhuyan

Managing Director

Manager
15/12/21.

For The Seal Coat Structural Works (P) Ltd.
Sarpan Kar Das
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

Sika ®
Authorised Dealer-cum-Applicator of
SIKA INDIA Pvt. LIMITED
AN ISO 9001 COMPANY
AN INDO SWISS JOINT VENTURE

DEALS IN : ROAD CONSTRUCTION
SPECIALIST IN : MODERN WATER PROOFING AND ANTICORROSIVE COATING • PROTECTING & STRENGTHNING RCC STRUCTURES • GROUPING INDUSTRIAL FLOORING LINNINGS • SEALING OF EXPANSION JOINTS • SHORT CONCRETING SOIL TABLIZING

ISO - 9001
DNV
CERTIFIED FIRM

Pledge in favour of Managing Director, OB&CC Ltd, Bhubaneswar.

#BFF - Best Friend Forever

ICICI Bank

BHUBANESWAR VIVEKANAND MARG

ICICI Bank Limited.

NON TRANSFERABLE
NON NEGOTIABLE

Customer ID 41101391
Account No 005738

No. 18049831

FIXED DEPOSIT RECEIPT

Branch

Date : 15-12-2022

As of : 15-12-2022

Received from THE SEAFOOAT STRUCTURAL W P LT

43 (P) FLAT NO-1, PARK TOWER
EKAMRA MARG, GANGANAGAR, UNIT-VI
BHUBANESWAR - 751001

Amount Rs Rs. One Lakh Ninety Eight Thousand Only. Rs. 1,98,000.00

Deposit payable to

* As Fixed Deposit (Traditional Plan) for
  Cumulative Fixed Deposit (Reinvestment Plan) for 0 Days 1 mont hs years

Due On : 15-12-2022

* Interest at 4.8000 % p. a. payable at quarterly rests.

* Repayable to Unlimited Auto Rene No Auto Closure

* Maturity Value of Cumulative Fixed Deposit Rs 2,80,000.00

Not Auto Renewal

Auto Closure

Deposit Received With Thanks
For ICICI Bank Limited.

AUTHORISED SIGNATORY

IMPORTANT: As per the Income Tax Act, 1961, every person who receives income on which TDS is deducted at the maturity is required to furnish his PAN failing which TDS shall be deducted at the applicable rates as per prevailing income tax guidelines for domestic deposits and for NRO deposits.

1. If a deposit is prematurely withdrawn, interest shall be recomputed at the applicable rate payable and the applicable penalty would be calculated based on the Bank's prevailing policy which is available to the customers at branches upon request. (2) Depositor(s) can opt for giving renewal instruction any point of time before the maturity date, wherein the entire maturity proceeds shall be automatically renewed from the maturity date for a period equal to original tenure of the FD at the prevailing interest rate. (3) Depositor(s) can opt for renewal within 90 days prior or 30 days post the maturity date. Value dating is not applicable for deposits overdue for more than 30 days. Such overdue deposits shall be renewed from the date of instruction as per terms and conditions governing ICICI Bank Fixed Deposits.

Signature of the Account Holder (s)
In case of premature withdrawal all applicants signature required

Please turn overleaf for additional terms and conditions.

ROG_SR169857588_BS_DB_SS_06062020

For Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

Seshasai Business Forms P. Ltd

0016

Pledged in favor of Managing Director, OB & CC Ltd Bhubaneswar.

ICICI Bank

#BFF - Best Friend Forever

No. 18049832

ICICI Bank Limited.

BHUBANESHWAR-VIVEKANAND MARG

FIXED DEPOSIT RECEIPT

NON TRANSFERABLE
NON NEGOTIABLE

Customer ID 810183791
Account No 058613005739

Branch

Date 2-2021

As on 1-2021

* Received from THE SEALCOAT STRUCTURAL W P LT

43 (P) FLAT NO-1, PARK TOWER
EKAMRA MARG, GANGANAGAR, UNIT-VI
BHUBANESWAR - 751001

Amount Rs

Rs. Deposit payable to Thousand Only.

Rs. 1,02,000.00

* As Fixed Deposit (Traditional Plan) for
Cumulative Fixed Deposit (Reinvestment Plan) for
Days months years

Due On 15-12-2022

* Interest at 9000 % p.a. payable at quarterly rests.

* Repayable to SELF

Unlimited Auto Rene No Auto Closure

* Maturity Value of Cumulative Fixed Deposit Rs. 107,091.00

Not Auto Renewal

Auto Closure

Deposit Received With Thanks
For ICICI Bank Limited.

AUTHORISED SIGNATORY

IMPORTANT: As per the Income Tax Act, 1961, every person who receives income on which TDS is deducted shall furnish his PAN failing which TDS shall be deducted at applicable rates as prescribed in income tax guidelines for domestic deposits and for NRO deposits.

If deposit is not renewed on maturity, interest rate payable and the applicable penalty would be calculated based on the Bank's prevailing policy which is available to the customers at branches upon request. (2) Depositor(s) can opt for giving auto renewal instruction any point of time before the maturity date, wherein the entire maturity proceeds shall be automatically renewed from the maturity date for a period equal to original tenure of the FD at the prevailing interest rate. (3) Depositor(s) can opt for renewal within 90 days prior or 30 days post the maturity date. Value dating is not applicable for deposits overdue for more than 30 days. Such overdue deposits shall be renewed from the date of instruction as per terms and conditions governing ICICI Bank Fixed Deposits.

Please turn overleaf for additional terms and conditions.

Signature of the Account Holder (s)
In case of premature withdrawal all applicants signature required

ROG_SR169857588_BS_DB_SS_06062020

Seshasai Business Forms P. Ltd.

0017

Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

0013

THE SEALCOAT
STRUCTURAL WORKS (P) LTD.
FLAT NO. 1, PARK TOWER, EKAMRA MARG, GANGANAGAR, UNIT-VI, BHUBANESWAR-751001, PH-(0674)2595059, FAX-2595159
GRAM : SEALCOAT, E-mail : sealcoatbbsr@gmail.com

SC/OBCC/21-22/
Date:29.11.2021

To
The General Manager (Tender)
OBCC Ltd., Vikash Bhawan,
Nayapalli, Bhubaneswar,
Odisha.

Sub: Sika Chemicals to be used for the work of Special repair structural to the Dhauli Shanti Stupa for the year 2021-22 on Turnkey Basis.

Dear Sir,
With reference to above subject, we will be used following Sika Chemicals for above said work.

SL No	Description of item	Sika Chemicals to be used
1	Carrying out non-destructive tests and submitting the report with recommendation for strengthening measures and On Submission & Approval of Design & Drawings including Structural Repair Report and Providing and fixing Scaffolding of cup lock type shall be erected on a firm base with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps as per prevailing IS codes.	-
2	Removal of unsound concrete parts	-
3	Application of corrosion inhibitors	**Sika Ferrogard 903**
4	Cleaning of corroded reinforcement using chemical rust remover	**Sika Rust Off 100**
5	Application of zinc-based epoxy	**Friazinc R**
6	Application of solvent free epoxy resin	**Sikadur 32**
7	Repair excessively damaged members with micro concrete	**SikaRep Microcrete 4**
8	Polymer based cement plastering for smooth surface	-
9	Sealing of cracks	**Sikagard 694Fl**
10a)	Grouting by inserting 12mm dia galvanised steel NRV packers for injection grouting in honeycombed area	-
10b)	Low viscosity Epoxy Grouting	**Sikadur 52Lp In**
11	Application of waterproofing compound on exterior surface. Waterproofing membrane based on modified polyurethane technology which contributes to Green Building certification standards	**Sikalastic 560**

For ...
Structural Works (P) Ltd.
Manager

Project Manager
Ekamra Division
O.B. & O. Co. Ltd.
Bhubaneswar

Authorised Dealer-cum-Applicator of
SIKA INDIA Pvt. LIMITED
AN ISO 9001 COMPANY
AN INDO SWISS JOINT VENTURE

DEALS IN : ROAD CONSTRUCTION
SPECIALIST IN : MODERN WATER PROOFING AND ANTICORROSIVE COATING • PROTECTING & STRENGTHNING RCC STRUCTURES • GROUPING INDUSTRIAL FLOORING LINNINGS • SEALING OF EXPANSION JOINTS • SHORT CONCRETING SOIL TABLIZING

ISO 9001
DNV
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12	Anti-Carbonation Exterior Painting	**(a) Sikalastic 551 S Elastic Primer (b) Sikagard 550 w**
13	Dismantling and replacement of old tiles with good quality anti-skid tiles including base preparation	-
14	Removing white or colour wash by scrapping and sand papering	-
15	12mm. thick cement plaster (1:6) for brick work	-
16	Supplying, fitting, and placing uncoated additional HYSD reinforcement in place of damaged bars	-
17	Supplying, fitting, and fixing of M.S. shutter with frame with MS angle frame of 35X35X6 mm and shutter section of 30X30X5mm M.S. angle with welding of 25X6mm flat and welding of 16-gauge C.R. sheet with arrangement of clamp, fitting of 3 nos of 4" hinges. 1 no of 2" hinges and 300mm X 16mm M.S. aldrop with 8" tower bolt.	-
18	On Handover to the Client	-

This is for your kind information and necessary action.

Thanking you.

Yours faithfully,
For The Seal Coat S.W. (P) Ltd.,
Jeswajit Bhuyan

Managing Director

Encl
1. Literature of Sika Chemicals

For The Seal Coat Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

Product Data Sheet
Edition 7, 2003
Identification no. 8 (x)
Sika® FerroGard - 903

Sika® FerroGard - 903

Corrosion Inhibiting Impregnation

Description

Sika® Ferrogard - 903 is a corrosion inhibiting aqueous impregnation for concrete.

Sika® Ferrogard - 903 penetrates the concrete by liquid and vapour diffusion.

Sika® Ferrogard - 903 has a high affinity to steel and forms a protective coating on the steel surface.

Uses

- A prophylatic corrosion protection of steel reinforced concrete structures above and below ground.
- During repair and maintenance of reinforced structures, as treatment of reinforcing steel which is corroding, or susceptible to being corroded in areas without any visible concrete defects.
- Due to its properties **Sika® Ferrogard - 903** is especially suitable to extend the service life of aesthetically fair faced concrete.

Advantages

- Does not change the appearance of the concrete texture
- Does not alter the water vapour diffusion capacity
- Economical extension of the service life of reinforced concrete structures
- Uncomplicated, economical application

Application

Application Temperature : Substrate and ambient temperature min. +5°C, max. + 40°C

Substrate : Free from dust, dirt, oil, grease, efflorescence, old coatings. Cleaning preferably by high pressure water jet. Best results will be obtained on dry, absorbent substrates. Total consumption 0.3 - 0.5 kg/m². Minimum total quantity to be applied not less than 0.3 kg/m².

Application Procedure : The number of coats to be applied depends on the absorbency of the substrate. Normally 3 to 5 coats are required. The interval between the application of different coats of **Sika® Ferrogard - 903** are at the discretion of the application.

Application : **Sika® Ferrogard - 903** is supplied ready for use and may not be diluted. The product must be applied to saturation by brush, roller or low pressure hand spray gun. Concrete surfaces treated with **Sika® Ferrogard - 903** must be wetted down once or twice with clean water after 2 days.

Cleaning : Use water to clean implements.

Limitations : **Sika® Ferrogard - 903** may not be applied if frost or rain is expected. Drying time is approx. 6 hours. Sika Ferrogard should not be used if the chloride content at reinforcement depth is higher than 1% (by wt. of cement).

Visible concrete defects (spalling, cracks) must be repaired using conventional repair methods (removal of damaged concrete, treatment of reinforcement, reprofiling). Depending on the substrate condition the application of **Sika® Ferrogard - 903** may lead to a slight darkening of the surface.

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.

Technical Data

Colour	:	Transparent liquid
Density	:	Around 1.13 kg/l
pH	:	Around 11
Storage/Shelf Life	:	18 months when stored in original container and i normal condition
Packaging	:	120 kgs./20 kgs./5 kgs.

Handling Precautions

SIKA Products are generally quite harmless, provided certain precautions are tak for handling chemicals. Avoid contact with foodstuff and food utensils. Avoi prolonged skin contact. Wear protective clothing, gloves etc. (barrier cream). In th event of contamination, wash thoroughly with water. If the eye or mouth is affecte wash with clean water immediately and obtain medical attention.

Special Note

Although it is advisable to use all our products in combination for best results. t customers are however free to use the supplementary components produced b other manufacturers in case they are confident of obtaining satisfactory performan Our warranty on products, however, limited to the use of our products only.

Important Note

The information given in this data sheet is based on many years' experience and i correct to the best of our knowledge. However, since success of application of ou products is dependent on number of factors, we can only be responsible for quali of our products at the time of despatch. Certain changes are possible in the produ data sheet as we are constantly endeavouring to improve it through our R&D. Hen in the event of any doubt on critical parameter, it is advisable to seek clarificati from our technical personnel.

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar
10/1/22

Sika India Pvt. Ltd.,
Commercial Complex II
620, Diamond HarbourRoad
Kolkata – 700034
Tel. : 033 2446 6594/6958 2447 2448/2449/2501/2505/9503
Fax : (033) 2468 8688/2665
E-mail : vdg@sikaindia.com
Website :www.sikaqualcrete.com
Ahmedabad : (079) 646 7910 Bangalore : (080) 561 4855 Chennai : (044) 2475 0796 Cuttack : (0671) 236 914
Delhi : (011) 642 6009 Hyderabad : (040) 373 4335 Jaipur : 2286 4774 Mumbai : (022) 2758 0686
Pune : (020) 2435 9175 Siliguri : (0353) 242 1625
Authorised Representatives :Bangladesh, Maldives, Nepal, Sri Lanka

For M/s ... Structural Works (P) Ltd.
Manager

BUILDING TRUST

PRODUCT DATA SHEET

Sika® Rustoff-100

RUST REMOVER CUM PASSIVATOR

DESCRIPTION

Sika® Rustoff-100 is a single component liquid that removes rust and prevents further rusting of steel structures by providing a passivating coat.

USES

Sika® Rustoff-100 removes rust and prevents further rusting of:

- New or old reinforcement steel in construction
- Embedded steel in repairable structures
- Various steel structures like tanks, water pipelines, effluent pipelines, trusses, purlins, rafters etc.
- Ball bearings, valves, tools etc.
- Ideal for protecting reinforcements with insufficient cover or in thin sections

CHARACTERISTICS / ADVANTAGES

- Removes rust
- Prevents further rusting by providing a passivating coat
- To be applied with brush, cotton waste swab or spray gun on the affected metal surface
- Easy to apply since it is in liquid form
- For repairable structures when applied with brush /spray gun can reach even the most difficult rusted areas with congested reinforcements

PRODUCT INFORMATION

Packaging	0.250 kg x 12 1 kg x 12 20 kg x 1
Appearance / Colour	Clear liquid
Shelf Life	12 months from date of production
Storage Conditions	Store properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +35 °C.
Density	~1.1 kg/L at +30 °C

APPLICATION INFORMATION

Consumption	1 kg covers 3–5 m² in 2 coats (depending on the diameter of the rods) 0.120–0.150 kg/m² per coat (depending on extent of rusting and nature of substrate)
Substrate Temperature	+5 °C min. / +50 °C max.

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Substrate should be free from oil, dirt and grease. For concrete remove cement skin, loose particles etc. Cavities, pin holes should be levelled.
For heavily rusted surface, first clean mechanically by wire brushing, sand blasting etc. depending on the extent of corrosion.

APPLICATION

Apply Sika® Rustoff-100 by brush, cotton waste swab or spray on the effected metal surface. Leave it in contact with the surface till the reddish colour of the corroded surface has changed to nearest original black. Excess application may sometime give whitish black surface. After a minimum 24 hours remove the loose rust particles by brush.
After the removal of loose rust any reddish rusted surface still left has to be re-treated with Sika® Rustoff-100. After the surface dries up totally (within 48 hours). Clean the surface with water jet and allow it to dry. Apply a preventive coating like Sika® Rustop.

CLEANING OF TOOLS

Wash tools with Sika® Colma Cleaner immediately after use. Hardened material can only be removed mechanically

LIMITATIONS

The surface should be dry before application of Sika® Rustoff-100.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

Sika India Pvt. Ltd.
620, Diamond Harbour Road
Commercial Complex II
Kolkata - 700 034
Tel : +91 33 24472448
Fax : +91 33 23978688
Mail : info.india@in.sika.com

For The Seal Coat
Structural Works (P) Ltd.
Manager

BUILDING TRUST

10/1/22
Project Manager
Ekamra Division
O.B. & C.C. Ltd

Product Data Sheet
Edition 7, 2003
Identification no. 8 (xi)
Friazinc® R

Friazinc® R

Epoxy Based Zinc Rich Corrosion Protection Primer

Description

High pigmented, zinc rich primer based on epoxy resin.

Uses

As protective coating or as primer. Specially suitable for objects subjected to mechanical wear, e.g. pressure pipe lines, gates, penstocks, tanks etc. This can also be used as anti-corrosive coating for reinforcement rods.

Advantages

- Easy to apply
- Fast application
- Resistant to chemical attack
- High mechanical properties
- Good adhesion to substrate
- Easy to clean
- In situ galvanising effect
- High resistance to corrosion for mild steel structures

Coverage

Around 0.15 kg. per sq. mtr. per coat depending on application.

Colour

Friazinc® R is available in Grey colour.

Instructions for Use

Surface Preparation : Blast cleaning is the best. If cleaned by alternate means, substrate should be free from rust.

Mixing : Stir component 'A' well to remix any settled material. Add component 'B' to component 'A' in the ratio of 6 : 94 by weight.

Then mix thoroughly for about 3 to 5 minutes until a smooth and even consistency is achieved, using recommended electric hand drill and stirrer.

Application : The surface to be coated should be prepared well before mixing of the two components of **Friazinc® R**. The mixed material should be applied by appropriate brush and should be consumed within 2 hours after mixing at 30ºC.

Cleaning : Wash all tools with **Sika's Colma Cleaner** immediately after use. Hardened material can only be removed mechanically.

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

For The Seal Coat
Structural Works (P) Ltd.
Manager

Technical Data

Mixing Ratio	:	Comp. A : Comp. B = 94 : 6 (by we[illegible])
Mixed Density at 30°C, kg/lit.	:	Around 2.05
Workable life at 30°C, hour	:	Arround 2
Recoatable	:	After 24 hours
Full cure at 30°C, days	:	7
Storage condition	:	Cool and dry place in original container
Shelf Life	:	For best result use before six months

Handling Precautions

SIKA Products are generally quite harmless, provided certain precautions are taken for handling chemicals. Avoid contact with foodstuff and food utensils. Avoid prolonged skin contact. Wear protective clothing, gloves etc. (barrier cream). In the event of contamination, wash thoroughly with water. If the eye or mouth is affected wash with clean water immediately and obtain medical attention.

Special Note

Although it is advisable to use all our products in combination for best results, the customers are however free to use the supplementary components produced by other manufacturers in case they are confident of obtaining satisfactory performance. Our warranty on products, however, limited to the use of our products only.

Important Note

The information given in this data sheet is based on many years' experience and is correct to the best of our knowledge. However, since success of application of our products is dependent on number of factors, we can only be responsible for quality of our products at the time of despatch. Certain changes are possible in the product data sheet as we are constantly endeavouring to improve it through our R&D. Hence in the event of any doubt on critical parameter, it is advisable to seek clarification from our technical personnel.

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

Sika India Pvt. Ltd.
Commercial Complex II
620, Diamond HarbourRoad
Kolkata – 700034

Tel. : 033 2446 6594/6958 2447 2448/2449/2501/2505/9503
Fax : (033) 2468 8688/2665
E-mail : vdg@sikaindia.com
Website :www.sikaquaicrete.com

Ahmedabad : (079) 646 7910 Bangalore : (080) 551 4855 Chennai : (044) 2475 0796 Cuttack : (0671) 236 9143
Delhi : (011) 642 6009 Hyderabad : (040) 373 4335 Jaipur : 2286 4774 Mumbai : (022) 2758 0686
Pune : (020) 2435 9175 Siliguri : (0353) 242 1626

Authorised Representatives :Bangladesh, Maldives, Nepal, Sri Lanka

For [illegible]
Structural Works (P) Ltd.
Manager

Product Data Sheet
Edition 2, 2015
Version no. 12.2014

Sikadur® -32

Epoxy Resin Bonding Agent

Product Description	Sikadur® -32 is a solvent free, two components, bonding agent, based on selected epoxy resins. Complies to: ASTM C 881 type II, Grade 2 Class B+C
Uses	Sikadur® -32 provides a bond of far greater strength than the tensile strength of the concrete itself. Therefore it is suitable for use wherever structural bonding of new to existing concrete is carried out. Sikadur® -32 can also be used as a bonding agent on: mortar, steel, iron etc.
Advantages	Sikadur® -32 is available in two different grades of reactivity: normal and long pot life. Other benefits are: ■ Easy to apply. ■ Solvent-free. ■ Unaffected by moisture. ■ Highly effective, even on damp surfaces. ■ Workable at low temperatures. ■ High tensile strength.
Approval / standard	Sikadur -32 has been tested as per SCAQMD Method 304-91. Result: VOC Content < 50 g/L

Product Data

Colour	Light Grey.
Packaging	5 kg units (A+B).
Storage	Store at temperatures between +5°C and +30°C, in dry conditions.
Shelf Lif	24 months from date of production if stored properly in original unopened packing.

Technical Data

Density (20 °C)	1.4 kg/l.
Mechanical Strengths	■ Compressive strength 50-60 N/mm^2 ■ Flexural strength 30- 35 N/mm^2 ■ Tensile strength 18 -20 N/mm^2 ■ Bond strength to concrete 2.5 -3 N/mm^2 (concrete failure). ■ Bond strength to Steel 18 -20 N/mm^2 (Normal: 20°C, 65% r.h.. 10 days: L.P.: 35°C).

Application

Coverage	0.3 - 0.8 kg/m^2, depending on substrate condition.
Surface Preparation	All surfaces must be clean, free from frost standing water and all loosely adhering particles. Cement laitance must be removed and the surfaces to be treated must be mechanically roughened.
Mix Ratio	Parts by weight: Comp. A: B = 2: 1.
Mixing	Mix components (A + B) together with a mixing paddle attached to a slow speed electric drill (max. 600 R.P.M.) until the material become smooth in consistency. Avoid entrapping air.

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Application	After mixing apply directly to the prepared substrate by brush, roller or spray. On damp surfaces, ensure that it is well brushed in. Pour new concrete within specified open time, as long as material is still tacky.
Cleaning	Clean all tools and equipment immediately after use with Sika® Colma-Cleaner.

Pot Life

°C Type	Normal	L.P.
40	-	20 min.
30	15 min.	40 min.
20	25 min.	90 min.
10	60 min.	-
5	120min.	-

Open Time

°C Type	Normal	L.P.
40	-	4 hrs.
30	1 hrs.	8 hrs.
20	3 hrs.	-

Safety Instructions

Ecology	In liquid state components (A + B) contaminate water. Do not dispose of into water or soil but according to local regulations.
Transport	Comp. (A): Non-hazardous. Comp. (B):8/65c).
Safety precautions	If splashed onto skin, take off immediately all contaminated clothing. Wash contaminated skin with plenty of soap and water. In contact with eyes or mucous membrane flush immediately with plenty of water and seek medical attention without delay.
Toxicity	Class. 4, under the relevant Swiss health and safety codes.

Legal notes

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BUILDING TRUST

SikaRep® Microcrete-4

READY TO USE NON-SHRINK, CEMENTITIOUS MICRO CONCRETE

DESCRIPTION

SikaRep® Microcrete-4 is factory designed pourable, non shrink, repair concrete with selected cement, aggregate and other chemicals. Recommended water and coarse aggregate to be added at site as per requirement.

USES

SikaRep® Microcrete-4 is mainly recommended for the repair of damaged concrete structures e.g.

- Columns
- Beams
- Slabs, etc.

It is also recommended for grouting of large gaps.

CHARACTERISTICS / ADVANTAGES

A properly designed concrete which can be pumped of poured into restricted.

- Placement without any vibration.
- Expansion system compensates for shrinkage settlement in plastic stage.
- Easy to mix and apply, high flow characteristic, rapid strength development,
- Good bond with old concrete.
- Contains no added chloride.

APPROVALS / STANDARDS

ASTM C1107

PRODUCT INFORMATION

Packaging	30 kg bags			
Appearance / Colour	Grey powder			
Shelf Life	6 months from date of production			
Storage Conditions	Store properly in undamaged and unopened, original sealed packaging, in dry conditions at temperatures between +5°C and +40°C. Protect from moisture, direct sunlight and frost.			
Density	1.2 kg/l (of fresh mortar)			
Compressive Strength	Ambient temperature: +30°C (According to ASTM C 109 , 70mm Cube)			
	1 day	**3 days**	**7 days**	**28 days**
	≥ 25 N/mm²	≥ 35 N/mm²	≥ 45 N/mm²	≥ 65 N/mm²
Tensile Strength in Flexure	Ambient temperature: +30°C (According to ASTM C 293-79)			
	7 days		**28 days**	
	≥ 7 N/mm²		≥ 8 N/mm²	

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APPLICATION INFORMATION

Mixing Ratio	Water: Powder = 0.14 to 0.16 by weight (4.2 l to 4.8 l water per 30 kg bag) dependent on the desired flow. Mixing time should be minimum 5 minutes.
Consumption	~2200 kg / m3 At water: powder ratio 0.14

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

All concrete surfaces should be clean, sound and free from loose particles, oil, grease, etc. Metal surfaces should be scale, rust, oil and grease.

MIXING

SikaRep® Microcrete-4 can be mixed both in paddle type and slow speed grouting mixture or drum type concrete mixer. In both the cases the SikaRep® Microcrete-4 is to be added to water and mix till a pourable consistency is obtained with recommended water –powder ratio as per technical data.
Put around 80 to 90% of required water in the mixing drum, followed by SikaRep® Microcrete-4 and then add the balance water.
Do not mix more material, which cannot be used within Pot Life. DO NOT ADD EXTRA WATER.

APPLICATION

Pour the SikaRep® Microcrete-4 after mixing into the area to be covered /filled.
During filling if required, ensure proper air displacement.

Note: Concrete can also be produced with addition of 10mm down aggregate in proportion of 2:1 (SikaRep® Microcrete-4: Coarse Aggregate) by weight.

CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be removed mechanically.

LIMITATIONS

When ready to pour SikaRep® Microcrete-4 is workable for 20 minutes after mixing at +30°C).
Ensure formwork is secure and watertight to prevent movement and leaking during placing and curing.
Use chilled water for mixing in case of high ambient temperature.
Use hot water for mixing in case of very low ambient temperature.
In case using without addition of aggregates, not more than 100mm of layer thickness shall be poured.
For additional technical information on SikaRep® Microcrete-4 or other materials contact the technical services department.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

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Sikagard®-694 F (I)

Moisture insensitive epoxy putty

Product Description	Sikagard®-694 F (I) is a solvent free epoxy resin based putty like material. It has the special property that it is a moisture insensitive repair material
Uses	Sikagard®-694 F(I) is recommended for : ■ Sealing of cracks both underwater and in dry conditions ■ Sealing of cracks for concrete, metal and wooden surfaces ■ Protection of concrete, steel, marine structures as protective coating at or below the water line
Characteristics / Advantages	■ Forms excellent bond on damp, dry and underwater surfaces ■ Stops the ingress of water ■ Excellent resistance to saline environment ■ Eliminates corrosion of steel and concrete structures even in marine condition ■ Excellent impact resistance ■ Good mechanical properties

Product Data

Form

Colours	Part A:	white
	Part B:	black
	Part A+B mixed:	grey
Packaging	8 kg (A+B) Pre-Batched unit Part A: 4.00 kg plastic container Part B: 4.00 kg plastic container	
Pot Life	100 g mass ~ 50 min at 30°C	(According to FIP 5.1)

Storage

Storage Conditions / Shelf-Life	12 months from date of production if stored properly in original unopened, sealed and undamaged packaging, in dry conditions at temperatures between +5°C and +30°C. Protect from direct sunshine.

Technical Data

Chemical Base	Epoxy resin.

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Mixed Density	~ 1.55 kg/l All density values at +27 °C

Mechanical / Physical Properties

Compressive Strength (According ASTM C579

Curing time	+30°C
1 day	>20 N/mm²
3 days	>25 N/mm²

Product cured and tested at temperatures indicated.

Test specimen size: 50 * 50 * 50mm

Bond Strength

On dry concrete: (According to EN 1542)

Curing time	Curing temperature + 30°C
3 day	>2.5 N/mm²

Slant Shear on dry concrete: (According to ASTM C882)

Curing time	Curing temperature + 30°C
3 day	>10 N/mm²

Application Details

Substrate Quality	All surface must be clean and free from loose particles, laitance, grease, oil, marine growth, etc.
Substrate Preparation	The surface should be prepared using the required tools.

Application Conditions / Limitations

Substrate Temperature	+5°C min. / +40°C max.
Ambient Temperature	+5°C min. / +40°C max.
Material Temperature	Sikagard®-694 F(I) must be at a temperatures of between +10°C and +40°C for application.

Application Instructions

Mixing	Part A : Part B = 1 : 1 (by weight)
Mixing Time	Pre-batched units: Mix parts A+B together for at least 3 minutes with a mixing spindle attached to a slow speed electric drill (max. 600 rpm) until the material becomes smooth in consistency and a uniform grey colour. Avoid aeration while mixing. Then, pour the whole mix into a clean container and stir again for approx. 1 more minute at low speed to keep air entrapment at a minimum. Mix only that quantity which can be used within its potlife.
Application Method / Tools	Apply the mixed material using glove-protected hand, spatula or trowel and work well on to the property prepared substrate. The surface of the applied material can be smoothened by slight rubbing with wet gloves.
Cleaning of Tools	Clean all tools and application equipment with Sika® Colma Cleaner immediately after use. Hardened / cured material can only be mechanically removed.

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Value Base	All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.
Health and Safety Information	For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.
Legal Notes	The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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Sikadur®-52 LP (IN)

LOW VISCOSITY INJECTION RESIN

DESCRIPTION

Sikadur®-52 LP (IN) is two part, low viscosity, moisture insensitive injection-liquid, based on high strength epoxy resin.

USES

As an injection resin with good adhesion to dry concrete, mortar, stone, steel and wood. Sikadur®-52 LP(IN) is used to fill and seal voids and cracks in structures such as bridges and other civil engineering buildings, industrial and residential buildings, e.g. columns, beams, foundations, walls, floors and water retaining structures. Sikadur®-52 LP(IN) is suitable for ASTM C 881, Type II and IV, Grade-1, Class E+F

CHARACTERISTICS / ADVANTAGES

- Solvent-free
- Suitable for both, dry and damp conditions
- Usable at low temperatures
- Shrinkage free hardening
- High mechanical and adhesive strengths
- Hard but not brittle
- Low viscosity
- Injectable with single component pumps

PRODUCT INFORMATION

Chemical Base	Epoxy Resin
Packaging	1 kg (A+B) Pre-batched unit. Part A: 0.80 kg metal container Part B: 0.2 kg metal container
Colour	Part A: Colourless Part B: Pale Yellow Part A+B mixed: Clear Pale yellow
Shelf Life	12 months from date of production
Storage Conditions	Stored properly in unopened, undamaged and sealed original packaging, in dry conditions at temperatures between +5°C and +40°C.
Density	Mixed Density : 1.1 kg/l (at +27°C)
Viscosity	~ 250 mPas at +30°C

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Compressive Strength		(According to ASTM D 695)
	Curing time	**Curing Temperature +30°C**
	7 days	~ 65 N/mm²
		(According to ASTM C 579)
	Curing Time	**Curing Temperature +30°C**
	7 days	~ 70 N/mm²
Tensile Strength in Flexure		(According to ISO 178)
	Curing Time	**+30⁰ C**
	7 days at +30⁰ C	~50 N/mm²
Tensile Strength	~ 50 N/mm² (after 7 days at +30°C cure)	(According to ASTM D 638)
Modulus of Elasticity in Tension	~ 2000 N/mm² (after 7 days at +30°C cure)	(According to ASTM D 638)
Elongation at Break	Tensile Elongation (%) ~ 1.9%	(According to ASTM D 638)
Shrinkage	Passes	(According to ASTM C 883)
Consumption	Consumption/Yield : 1.11 kg of Sikadur®-52 LP (IN) is ~ equal to 1 l injection resin.	
Substrate Temperature	+10°C min. / +40°C max.	
Substrate Moisture Content	Dry condition	
Pot Life	1 kg mass	(According to ASTM C 881)
	Temperature	Time
	+30⁰ C	~ 50 min.

APPLICATION INSTRUCTIONS

Maximum width of cracks to be injected: 5 mm.
Sikadur®-52 LP (IN) is suitable for dry and moist condition.

SUBSTRATE PREPARATION

Requirements:
Sound, clean, free from oil and grease and surface treatments etc.
Pre-treatment for good bond:
Concrete, mortar, stone should be thoroughly prepared by high pressure water jetting or mechanical means such as grinding, chiselling etc. Cracks must be cleaned to remove dust with compressed air.

MIXING

Part A : Part B = 0.8 : 0.2 (by weight)
Mixing Time :
Pre-batched packaging:
Add all of part B to part A. Mix with an electric mixer at slow speed (max. 250 rpm) for at least 3 minutes.
Avoid entraining air.
Bulk packaging:
Add both parts in the correct proportion into a suitable clean, dry container and mix in the same way as for the pre-batched units.

APPLICATION METHOD / TOOLS

Successful application depends on very careful preparation. The surface to be treated must be structurally sound, free from standing water, oil, grease, surface contaminants. Dirt, dust and other foreign materials must be removed. Concrete which is fully contaminated with oil / grease, must be removed to the depth of sound & uncontaminated concrete.
Impregnation of cracks on horizontal slabs:
Impregnation is applied with a paint brush or roller until complete saturation of the substrate is achieved.
Cracks are sealed by pouring mixed Sikadur® 52 LP(IN) directly from the mixing vessel between two "dams" made from Sikaflex® sealant. Crack penetrating slabs to their soffit should first be sealed on the underside with Sikadur®-31 epoxy mortar or a suitable cementitious Sika mortar.
Injection of cracks on horizontal / vertical slabs:
Injection flange / nipples are fixed along the crack line at an approximately 25 cm center-to-center distance with Sikadur®-31. Crack mouth should be opened and sealed with Sikadur®-31. Crack penetrating slabs to their soffit should also be sealed on the underside with Sikadur®-31 epoxy mortar or a suitable cementitious Sika mortar. Mixed Sikadur®-52 LP (IN) can be injected under pressure through
injection ports using injection pump, such as Aliva AL-1200, AL-1250 or the Sika® Hand Pump. As soon as injection resin oozes out of the next injection port, the first one is sealed and injection process is continued from next port.
For horizontal crack, injection should start from any of the ends and to be continued and completed till the last port is used. For vertical crack, injection should start from the lowest port and continued upwards.
After completion of the injection process, the injection ports as well as the sealing materials between the ports are removed.

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CLEANING OF TOOLS

Clean all tools and application equipment with Sika® Colma-Cleaner immediately after use. Hardened / cured material can only be mechanically removed.

BASIS OF PRODUCT DATA

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LOCAL RESTRICTIONS

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ECOLOGY, HEALTH AND SAFETY

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LEGAL NOTES

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Sikalastic®-560

Liquid applied roof waterproofing based on Modified Polyurethane Technology

DESCRIPTION

Sikalastic®-560 is a cold-applied, one-component waterborne liquid applied waterproofing membrane based on modified polyurethane technology. It is highly elastic, UV resistant and also eco-friendly.

USES

- For roof waterproofing solutions in both new construction and refurbishment projects
- For roofs with many details and complex geometry when accessibility is limited
- For refurbishment of failing APP/SBS roofing systems and hence its life cycle extension
- For enhancing the energy efficiency of buildings by reducing cooling costs due to its heat reflective nature
- Contributes to Green Building certification standards

CHARACTERISTICS / ADVANTAGES

- One component - ready to use
- UV resistant and resistant to yellowing and weathering
- Highly elastic and crack-bridging
- Easily recoated when needed - no stripping required
- Non-toxic and VOC compliant water based coating
- Excellent adhesion on porous and non-porous substrates
- Seamless waterproofing membrane
- Water vapour permeable - allows the substrate to breathe
- Eco-friendly

APPROVALS / STANDARDS

- Building Energy Performance Laboratory Test Report as per ASTM E 1980

PRODUCT INFORMATION

Chemical Base	Modified Polyurethane dispersion
Packaging	10 kg plastic pails
Colour	White
Shelf Life	12 months from date of production
Storage Conditions	The product must be stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C.
Density	~1.35 kg/L (at +30°C)
Solid content by weight	~66% (At +23°C / 50% Relative Humidity)
Solid content by volume	~48% (At +23°C / 50% Relative Humidity)

TECHNICAL INFORMATION

Shore A Hardness	≥ 50

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Tensile Strength	≥ 1.5 N/mm² (For free film)	(ASTM D 412)
Elongation at Break	≥ 350% (for free film)	(ASTM D 412)
Tear Strength	≥ 12 N/mm	(ASTM D 624)
Crack Bridging Ability	No cracks upto 3.2 mm	(ASTM C 1305)
Solar Reflectance	0.80 All values refer to the inital (properly cured, non-weathered) status of Sikalastic®-560 white.	(ASTM E1980)
Thermal Emittance	0.91 All values refer to the inital (properly cured, non-weathered) status of Sikalastic®-560 white.	(ASTM E 1980)
Solar Reflectance Index	102 All values refer to the initial (properly cured, non-weathered) status of Sikalastic®-560 white.	(ASTM E 1980)

Service Temperature	With reinforcement	Without reinforcement
	-10°C min. / +80°C max.	-5°C min. / +80°C max.

SYSTEM INFORMATION

System Structure

Roof Coating*

Layer	Product	Consumption
1. Primer	Please refer to substrate pre-treatment	Please refer to substrate pre-treatment
2. Base coat	Sikalastic®-560	≥ 0.5 - 0.7 kg/m²
3. Top coats	Sikalastic®-560 applied in 1-2 coats	≥ 0.5 - 0.7 kg/m²

*For partial reinforcement Sika® Reemat Premium - 225 is applied at areas with high movement, irregular substrate or to bridge cracks, joints and seams on the substrate as well as for details. On bitumen felt a fully reinforced roof waterproofing system has to be applied.

Reinforced Roof Waterproofing

Layer	Product	Consumption
1. Primer	Please refer to substrate pre-treatment	please refer to substrate pre-treatment
2. Base coat	Sikalastic®-560	≥ 1.0 - 1.5 kg/m²
3. Reinforcement	Sika Fab 1 or Sika® Reemat Premium - 225	1 m²/m²
4. Top coats	Sikalastic®-560 applied in 1-2 coats	≥ 1.1 - 1.3 kg/m²

Note: Do not apply more than 0.75 kg/m² of Sikalastic®-560 per coat for layers without reinforcement.

These figures are theoretical and do not include for any additional material required due to surface porosity, surface profile, variations in level and wastage.

APPLICATION INFORMATION

Yield

Type of application	Total consumption of Sikalastic®-560	Total thickness
Roof Coating	0.8 - 1.4 kg/m²	0.3 - 0.5 mm
Reinforced Roof Waterproofing	2.1 - 2.5 kg/m²	1.0 - 1.3 mm

Ambient Air Temperature	+8°C min. / +40°C max.
Relative Air Humidity	80% max.

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Substrate Temperature	+8°C min. / +40°C max.
Dew Point	Beware of condensation! Surface temperature during application must be at least 3°C above dew point.
Substrate Moisture Content	≤ 6% No water / moisture / condensation on the substrate is desired during application

Substrate Pre-Treatment

Substrate	Primer	Consumption (kg/m²)
Cementitious substrate	Sikalastic®-560 diluted with 10% water.	~0.3
Brick and stone	Sikalastic®-560 diluted with 10% water.	~0.3
Ceramic tiles (unglazed)	Sikalastic®-560 diluted with 10% water.	~0.3
Bituminous felt	SikaBit® T Primer IN with quartz sand broadcast. Fully reinforced system only	~0.2
Bituminous coatings	SikaBit® T Primer IN with quartz sand broadcast. Fully reinforced system only	~0.2
Metals	Sikafloor®-161 HC	~0.2
Wooden substrates	Timber based roof decks require a complete layer of Sikalastic® Carrier. For exposed timber upstands use Sikalastic®-560 diluted with 10% water.	~0.3
Paints	Subject to adhesion and compatibility test	

Note: These figures are theoretical and do not include for any additional material required due to surface porosity, surface profile, variations in level and wastage.
For the Waiting Time / Overcoating, please refer to the PDS of the appropriate cleaner and primer. Other substrates must be tested for their compatibility. If in doubt, apply a test area first.

Waiting Time / Overcoating	8 - 12 hrs depending upon the changing ambient conditions particularly temperature and relative humidity

BASIS OF PRODUCT DATA

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ECOLOGY, HEALTH AND SAFETY

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LIMITATIONS

- Do not apply Sikalastic®-560 on substrates with rising moisture.
- Sikalastic®-560 is not suitable for permanent water immersion.
- On substrates likely to exhibit outgassing, apply during falling ambient and substrate temperature. If applied during rising temperatures "pin holing" may occur from rising air. Therefore, it is generally beneficial to apply the embedment coat in the late afternoon or evening.
- Ensure that temperature does not drop below +8°C and that relative humidity does not exceed 80% until the membrane has fully cured.
- Sikalastic®-560 should not be applied on roofs subject to long-term ponding water.
- Sikalastic®-560 should not be applied on roofs sub-

For The Said Bank
Structural Works (P) Ltd
Manager

BUILDING TRUST

Sr. Project Manager
Ekamra Division
B. & C.C. Ltd.
Bhubaneswar

ject to ponding water with subsequent periods of frost. In cold climatic zones for roofing structures with a pitch of less than 3% appropriate measures must be considered.

- Sikalastic®-560 applied on roofs subject to long-term freezing at temperature around the minimum service temperature of -10°C should always be reinforced with Sika® Reemat Premium -225 in order to guarantee sufficient crack-bridging ability.
- Do not apply Sikalastic®-560 directly on insulation boards. Instead use a separation layer like Sikalastic® Carrier between insulation board and Sikalastic®-560.
- Areas with high movement, irregular substrates, or timber based roof decks require a complete layer of Sikalastic® Carrier.
- Sikalastic®-560 is not recommended for medium to heavy pedestrian traffic.
- Do not apply cementitious products (e.g. tile mortar or protection screed) onto Sikalastic®-560.

APPLICATION INSTRUCTIONS

EQUIPMENT

Sikalastic®-560 can be applied using a thick hair brush, short piled lamb skin roller or airless spray equipment. Use a short piled lamb skin roller to ensure a consistent thickness of the seamless Sika® Roof systems. For application of Sikalastic®-560 to all details and penetrations use a good quality thick hair brush.

Airless spray equipment can be used for quick application of Sikalastic®-560 system. Two spray applied layers is the minimum requirement. The pump should have the following parameters:

Min Pressure	220 bar
Min Output	5.1 Lt/min
Min dia of nozzle	0.83mm (0.033 inch)

SUBSTRATE PREPARATION

Cementitious Substrates
New concrete should be cured for at least 28 days and should have a pull off strength > 1.5 N/mm².
Cementitious or mineral based substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and to achieve an open textured surface.
Loose friable material and weak concrete must be completely removed and surface defects such as blowholes and voids must be fully exposed.
Repairs to the substrates,filling of joints, blowholes/voids must be fully and surface levelling must be carried out using appropriate products from Sika® range of products.
High spots must be removed by grinding, etc
If dust, vegetation, moss / algae or other contaminants are present on the existing roof, a power washer is required to clean the substrate prior to the application of Sikalastic®-560 Roofing System. Existing chippings should be removed by hand or scrabbling prior to power washing.
The concrete must be carefully assessed for moisture content, air entrapment and surface finish prior to any coating work.

Brick / porous stones
Mortar joints must be sound and preferably flush pointed. Use localised reinforcement over joints and prime before applying Sikalastic®-560.

Slates / tiles / polished stones
Ensure all slates/tiles/polished stones are sound and securely fastened, replacing obviously broken or missing sections. Fully glazed tiles/stones must be abraded prior to priming and subsequent treatment with Sikalastic®-560.

Bituminous felt
Ensure that Bituminous felt is firmly adhered or mechanically fixed to the substrate. Bituminous felt should not contain any badly degraded areas. Prime and always use a fully reinforced system.

Bituminous coatings
Bituminous coatings should not have sticky or mobile surfaces, volatile mastic coatings, or old coal tar coatings. Prime and always use a fully reinforced system.

Metals
Metals must be in sound condition. Abrade exposed surfaces to reveal bright metal. Replace any rusted or damaged portion. For precoated sheets, check for any delamination of existing paint. Use Sika® Multiseal T and localised reinforcement over joints and fixings.

Wooden substrates
Timber and timber based panel roof decks are to be in good condition, firmly adhered, or mechanically fixed.

Paints/Coatings
Ensure the existing material is sound and firmly adhered. Remove any oxidized layers and use localised reinforcement over joints.

MIXING

Prior to application, stir Sikalastic®-560 thoroughly with the paddle mixer for one minute in order to achieve a homogeneous mixture.
Over mixing must be avoided to minimise air entrain-

For Structural Works (P) Ltd
Manager

BUILDING TRUST

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

ment.

APPLICATION

Prior the application of Sikalastic®-560 the priming coat if used must have cured tack-free. For the Waiting Time / Overcoating please refer to the PDS of the appropriate primer. Damageable areas (door frame) have to be protected with an adhesive tape

Roof Coating: Sikalastic®-560 is applied in two or three coats. Prior to the application of a 2nd coat the indicated waiting time in the table above shall be allowed.

Roof Waterproofing: Sikalastic®-560 is applied in combination with Sika Fab 1 or Sika® Reemat Premium - 225.

1. Apply first coat of appr. 0.75 kg/m² (for non-absorbing substrates) – 1.00 kg/m² (for absorbing substrates) of Sikalastic®-560 on a length of approx. 1m.
2. Roll in the Sika Fab 1 or Sika® Reemat Premium - 225 and ensure that there are no bubbles or creases. Overlapping of the Sika Fab 1 minimum 5 cm.
3. Apply second coat of approx. 0.25 kg/m² - 0.5 kg/m² coat right into the wet fleece to achieve the required film thickness. The entire application shall happen while Sikalastic®-560 is still liquid, wet in wet.
4. Repeat step 1–3 until the roof area is waterproofed.
5. After the two coats are dry, seal the roof area with one or more additional coats of Sikalastic®-560 (≥ 0.5 kg/m² per coat).

Please note, always begin with details prior starting with waterproofing the horizontal surface.

For detailed information regarding application method please refer to Method Statement of Sikalastic®-560.

CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be removed mechanically.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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Sr. Project Manager
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O.B. & C.C. Ltd.
Bhubaneswar

For The Star Coat Structural Works (P) Ltd.
Sangram Keshari Das
Manager

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Sikagard®-551 S Elastic Primer

PRIMER FOR VERY DENSE OR POROUS CONCRETE SURFACES OR DIFFICULT APPLICATION CONDITIONS

DESCRIPTION

Sikagard®-551 S Elastic Primer is a one part, silane siloxane modified primer for all kinds of concrete surfaces and/or difficult application conditions.

USES

- Priming of very dense concrete
- Priming of very porous concrete (having a tensile strength lower than 1 N/mm²)
- Sikagard®-551 S Elastic Primer can also be used as primer on firmly adhering existing solvent based coatings

CHARACTERISTICS / ADVANTAGES

- Deep penetration
- Water vapour permeable
- Surface strengthening

PRODUCT INFORMATION

Chemical Base	Solvent based polymer binder
Packaging	5 kg x 2
Appearance / Colour	Slightly yellowish liquid
Shelf Life	6 months from date of production
Storage Conditions	Store properly in undamaged and unopened original sealed packaging in cool and dry conditions. Protect from direct sunlight and frost.
Density	~0.9 kg/L (at +27°C)
Flash Point	~33°C

SYSTEM INFORMATION

System Structure	1 x Sikagard®-551 S Elastic Primer

APPLICATION INFORMATION

Mixing Ratio	The material is supplied ready for use. Stir thoroughly prior to application.
Consumption	0.10 - 0.15 kg/m² dependent on the absorbency of the substrate
Ambient Air Temperature	+10°C min. / +40°C max.

For The Seal Coat
Structural Works (P) Ltd.
Sarman Keshari Das
Manager

10/1/22
Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

Relative Air Humidity	< 80%
Dew Point	Substrate and ambient temperature must be at least 3°C above dew point.
Substrate Temperature	+10 °C min. / +40 °C max.
Waiting Time / Overcoating	Waiting time before coating: Temperature / Time +10 °C / 24 hours +30 °C / 6 hours +40 °C / 5 hours Note: When application is on existing coating, waiting time prior to overcoat the primer will increase by 100%. Both water dispersed and solvent containing coating system can be used as subsequent topping.
Curing Treatment	Sikagard®-551 S Elastic Primer does not require any special curing but must be protected from rain for at least 6 hours at +20 °C.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

The substrate can be dense or porous (tensile strength < 1 N/mm²) but must be free from loose and friable particles.

Exposed concrete without existing coating
Suitable preparation methods are steam cleaning, high pressure water jetting or blastcleaning. New concrete must be at least 28 days old.

Thin layer renderings
If required, a levelling pore sealer (e.g. Sikagard®-694 F(I), Sikadur®-31 IN, Sikadur® PF, etc.) shall be applied. Allow a curing time of at least 4 days before to proceed with the priming.

Exposed concrete with existing coating
Existing coatings must be tested to confirm their adhesion to the substrate

- For subsequent top rigid coating : Adhesion test average > 1.0 N/mm² with no single value below 0.7 N/mm²
- For subsequent top elastic coating : Adhesion test average > 0.8 N/mm² with no single value below 0.5 N/mm²

Please refer to the relevant Method Statement for more details.

For water based coating, use Sikagard®-552 W Aquaprimer as primer.

For solvent based coating, use Sikagard®-551 S Elastic Primer as primer.

In case of doubt, carry out adherence testing to determine which primer is most suitable - wait at least 2 weeks prior to conduct the adhesion test.

APPLICATION

Sikagard®-551 S Elastic Primer is supplied ready for use. Stir thoroughly prior to application.
Sikagard®-551 S Elastic Primer can be applied by brush, roller or airless spray.
With very dense substrate up to 10% Sika Thinner C may be added to Sikagard®-551 S Elastic Primer to increase penetration.

CURING TREATMENT

Sikagard®-551 S Elastic Primer does not require any special curing but must be protected from rain for at least 6 hours at +20°C.

CLEANING OF TOOLS

Clean all tools and application equipment with Sika® Thinner C immediately after use. Hardened / cured material can only be removed mechanically.

FURTHER DOCUMENTS

Please refer to the Product Data Sheet of Sikagard® 550 W IN.
Please refer to the Product Data Sheet of Sikagard® 680 MY.
Please refer to the relevant Method Statement.

LIMITATIONS

Do not apply when there is:

- Expected rain
- Relative humidity > 80%
- Temperature below +10°C and/or below dew point
- Concrete younger than 28 days

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

For The Seal Coat
Structural Works (P) Ltd.
Manager

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LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

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Sikagard® 550 W Elastic

One Component Crack Bridging Protective Coating for Fair-Faced Concrete

Description

Sikagard® 550W Elastic is a 1-pack, plastoelastic, crack bridging coating for concrete. **Sikagard® 550W Elastic** is based on acrylic dispersion with good crack bridging properties.

Uses

Protective coating for:

- Bridge parapets and cantilevers
- Supporting walls
- Kerbs
- Pillars
- Retaining walls
- Storerooms and production areas

Advantages

- Crack bridging
- High diffusion resistance against CO_2
- Water vapour permeable
- Excellent resistance against weathering and ageing
- No brittleness under UV
- One component
- Solvent free
- Non-inflammable

Coverage

Sikagard® 551S Elastic Primer 0.20 to 0.25 kg/m² per coat depending on the substrate

Sikagard® 550W Elastic approximately 0.30 kg/m² per coat depending on the substrate

Instruction for use

Substrate	Substrate must be dry, solid, free of dust and loose & friable particles, grease and oil.
Preparation of Substrate	Substrate should be thoroughly prepared by proper tools to remove above-mentioned materials.
Preparation of material	**Sikagard® 551S Elastic Primer** and **Sikagard® 550W Elastic** are supplied in ready to use form. Stir thoroughly before application.
Coating	1 coat **Sikagard® 551S Elastic Primer** 2 coats of **Sikagard® 550W Elastic**
Application method	**Sikagard® 551S Elastic Primer** is to be applied by brush or roller. **Sikagard® 550W Elastic** by brush, distemper brush or roller. Large areas must be coated by roller brush or airless spraying.

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

For The Seal Coat
Structural Works (P) Ltd.
Manager

Waiting time between applications

Minimum 6 hours at 30°C between Primer and Top Coat. For successive Top Coat wait till the previous layer has dried thoroughly.

Important recommendations

Minimum application temperature for substrate and ambient is + 10°C.

Technical Data

Form	
Sikagard® 551S Elastic Primer	White thin liquid
Sikagard® 550W Elastic	White thick liquid
Density at 30°C, kg/lit.	
Sikagard® 551S Elastic Primer	Around 1.01
Sikagard® 550W Elastic	Around 1.30
Dry film thickness for 0.3 kg/m² application micron	Around 100
CO_2 diffusion resistance m CO_2	1.88×10^5
Equivalent air layer thickness, M	78
Shelf life	At least 6 months original container
Storage condition	Cool, dry place, fr[illegible] from frost
Packing	
Sikagard® 551S Elastic Primer	20 kg HDPE Contain[illegible]
Sikagard® 550W Elastic	20 kg HDPE Contain[illegible]

Handling Precautions

SIKA Products are generally quite harmless, provided certain precautions norm[illegible] taken when handling chemicals are observed. Avoid contact with food stuff and [illegible] utensils. Avoid prolonged skin contact. In the event of contamination, wash thoroug[illegible] with water. If the eye or mouth is affected, wash with clean water immediately.

Important Note

The information given in this data sheet is based on many years' experience and [illegible] correct to the best of our knowledge. However, since success of application of [illegible] products is dependent on number of factors, we can only be responsible for qua[illegible] of our products at the time of despatch. Certain changes are possible in the prod[illegible] data sheet as we are constantly endeavouring to improve it through our R&D. Hen[illegible] in the event of any doubt on critical parameter, it is advisable to seek clarificat[illegible] from our technical personnel.

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

Sika India Pvt. Ltd.
Commercial Complex II
620, Diamond HarbourRoad
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Fax : (033) 2468 8688/2665
E-mail : vdg@sikaindia.com
Website :www.sikaqualcrete.com

Ahmedabad : (079) 646 7910 Bangalore : (080) 651 4855 Chennai : (044) 2475 0796 Cuttack : (0671) 236 914[illegible]
Delhi : (011) 642 6009 Hyderabad : (040) 373 4335 Jaipur : 2286 4774 Mumbai : (022) 2758 0686
Pune : (020) 2436 9175 Siliguri : (0353) 242 1625

Authorised Representatives :Bangladesh, Maldives, Nepal, Sri Lanka

For The Seal Coat
Structural Works (P) Ltd.
Manager

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ଓଡ଼ିଶା ସେତୁ ଓ ନିର୍ମାଣ ନିଗମ ଲିଃ

(ଓଡ଼ିଶା ସରକାରଙ୍କ ପୂର୍ତ୍ତ ବିଭାଗ ଅଧିନର ଏକ ଉଦ୍ୟୋଗ)

ODISHA BRIDGE & CONSTRUCTION CORPORATION LIMITED

(A Government of Odisha Undertaking under Works Department)

No: 9242 Date 25.11.2021

File: SMT- 1763

From

Er. Sasmita Nayak
General Manager(Tender), OB&CC Ltd
Email: smt1obcc@gmail.com

To

The Sealcoat Structural Works Private Limited,
43,1 Park Tower, Ekamra Marg, Ganga Nagar, Unit-6,
Bhubaneswar-751001, Email: sealcoatbbsr@gmail.com

Kind Attention: Mr. Mr. Biswajit Bhuyan, Managing Director

Sub: Verification of original Documents for the Work **"Special repair (Structural) to the Dhauli Shanti Stupa for the year 2021-22 on Turnkey basis"**.

Ref : 1) Bid Identification No. 27/Tender/OBCC/2021-22

2) Tender Id: 2021_OBCC_71549_1

Sir,

With reference to your bid for the above-mentioned work, you are hereby requested to attend this office on or before 29/11/2021 with all original documents of all the scanned documents uploaded by you in the technical bid for their verification.

Further, you are requested to submit the detail make and specification (conforming to Section-5 of RFP) of the products to be used in repair of the Stupa.

Yours sincerely

Sasmita
25.11.2021

General Manager (Tender)
OB&CC Ltd

For The Seal Coat
Structural Works (P) Ltd.
Sangram Kumar Dey
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

0047

THE SEALCOAT
STRUCTURAL WORKS (P) LTD.
FLAT NO. 1, PARK TOWER, EKAMRA MARG, GANGANAGAR, UNIT-VI, BHUBANESWAR-751001, PH-(0674)2595059, FAX-2595159
GRAM : SEALCOAT, E-mail : sealcoatbbsr@gmail.com

Dt:22/11/21

To

The Chief Engineer
OB&CC Ltd, Bhubaneswar

Sub: Negotiation for Special repair (Structural) to the Dhauli Shanti Stupa

Dear Sir
We are thankful to you for giving us as an opportunity for special repair (Structural) to the Dhauli Shanti Stupa.For your kind information it is very difficult for us to negotiate further,as we have quoted very very competitive price for the project. We assured our best services for the Same .

Thanking You

Yours faithfully
Jaswant Bhuyan

GM/T
22/11

For The Seal Coat
Structural Works (P) Ltd.
Sanjam Kumar Dey
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

Authorised Dealer-cum-Applicator of
SIKA INDIA Pvt. LIMITED
AN ISO 9001 COMPANY
AN INDO SWISS JOINT VENTURE

DEALS IN : ROAD CONSTRUCTION
SPECIALIST IN : MODERN WATER PROOFING AND ANTICORROSIVE COATING • PROTECTING & STRENGTHNING RCC STRUCTURES • GROUTING INDUSTRIAL FLOORING LININGS • SEALING OF EXPANSION JOINTS • SHORT CONCRETING SOIL TABLIZING

ISO - 9001
DNV
CERTIFIED FIRM

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(ଓଡ଼ିଶା ସରକାରଙ୍କ ପୂର୍ତ୍ତ ବିଭାଗ ଅଧିନର ଏକ ଉଦ୍ୟୋଗ)

ODISHA BRIDGE & CONSTRUCTION CORPORATION LIMITED

(A Government of Odisha Undertaking under Works Department)

No. 9089 **Date** 18.11.2021

File: SMT-1763

From

Er. Dukhabandhu Behera
Chief Engineer
OB& CC Ltd, Bhubaneswar

To,

The Sealcoat Structural Works Private Limited,
43,1 Park Tower, Ekamra Marg, Ganga Nagar, Unit-6,
Bhubaneswar-751001, Email: sealcoatbbsr@gmail.com

Kind Attention: Mr. Biswajit Bhuyan, Managing Director

Sub: Negotiation for "**Special repair (Structural) to the Dhauli Shanti Stupa for the year 2021-22 on Turnkey basis**"

Ref : 1) Bid Identification No. 27/Tender/OBCC/2021-22
2) Tender Id: 2021_OBCC_71549_1

Dear Sir,

With reference to your bid for the subject work, it is to intimate that your bid is under active consideration. As per clause No. 12 of Annexure-I to ITB of the RFP document, you are hereby requested to negotiate your offer on or before 22.11.2021.

Yours sincerely

18.11.2021

Chief Engineer
OB&CC Ltd.

For The Seal Coat
Structural Works (P) Ltd.
Manager

10/1/22
Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

For The Seal Coat Structural Works (P) Ltd.
Manager

COMPARATIVE STATEMENT

Name of the Work	Estimated Amount	Special repair(Structural) to the Dhauli Shanti Stupa for the year 2021-22 on Turnkey basis		
Bid Identification No.		27/Tender/OBCC/2021-22		
Tender ID No.		2021_OBCC_71549_1		
Destription	1,18,57,523.00	Amount Quoted By **The Sealcoat Structural Works Private Limited** (Rs)	Amount Quoted By **TECHNOCRATS CONSTRUCTION & CONSULTANCY SERVICES** (Rs)	Negotiated offer of **The Sealcoat Structural Works Private Limited**
1,18,57,523.00		99,80,682.50	1,49,55,088.00	**99,80,682.50**
Excess/ Less (In Percentage)		-15.83%	26.12%	-15.83%
Relative Position		**L1**	L2	**L1**

Prepared by me:

NRay 22.11.2021
Project Manager (Tender)

Alkamlavida 22.11.21
Manager (Finance)

Sasmita 22.11.2021
General Manager (Tender)

The lowest negotiated turnkey tender of M/s Sealcoat Structural Works Private Limited amounting to Rs 99,80,682.50/- (Rupees Ninety-nine lakh eighty thousand six hundred eighty-two) only being 15.83% less than the corresponding Estimated cost of Rs 1,18,57,523.00/- excluding applicable GST (6% CGST & 6% SGST) is hereby accepted

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhu...

22.12.21
Sr. Chief General Manager,
O.B. & C.C. Ltd.,
Bhubaneswar

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(ଓଡ଼ିଶାସରକାରଙ୍କପୂର୍ତ୍ତ ବିଭାଗ ଅଧିନର ଏକଉଦ୍ୟୋଗ)

ODISHA BRIDGE & CONSTRUCTION CORPORATION LIMITED

(A Government of Odisha Undertaking under Works Department)

No: 8962 Date: 15.11.2021

File: SMT-1763

From:

Er. Dukhabandhu Behera
Chief Engineer
OB& CC Ltd, Bhubaneswar

To:

The Sealcoat Structural Works Private Limited,
43,1 Park Tower, Ekamra Marg, Ganga Nagar, Unit-6,
Bhubaneswar-751001, Email: sealcoatbbsr@gmail.com

Sub: Special repair (Structural) to the Dhauli Shanti Stupa for the year 2021-22 on Turnkey basis

Ref: Bid Identification No.27/Tender/OBCC/2021-22

Sir,

In inviting a kind reference to your bids followed by the Technical Presentation on 11.11.2021, following points as per the RFP document shall be binding,

i. The bidder must be an Original Equipment Manufacturers (OEM) of waterproofing chemicals or paints for industrial application and/or their Authorised Applicator and/or service provider.

ii. The work specified in the RFP shall be completed in 5 months duration from the commencement date with a defect liability period of 3 years from the completion date.

iii. The contract type is Turnkey & Bidder shall assess the extent of the work in accordance to the RFP document at his own cost.

iv. The work specified herein above shall be treated as an approximate assessment. The actual works as required on the basis of site investigation and design shall be determined by the Turnkey Contractor in accordance with the relevant specifications and standards.

v. The scope will include design, construction, installation, testing, commissioning including conducting necessary tests etc. required for successful completion of the work.

vi. Except inception report and progress report, all other design reports listed shall be submitted by the Contractor to the Employer only after obtaining approval of the same from any National Institute of Repute such as Indian Institute of Technology (IIT)/ National Institute of Technology (NIT)/ Govt. Engineering College at Contractor's own cost.

vii. The quantities mentioned in the RFP are Indicative quantities, for reference only. Bidders must have done their own due diligence.

viii. Construction Safety & Quality is in the scope of the selected bidder.

For The Seal Coat
Structural Works (P) Ltd.
Sanjoy Keshari Dey
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

In view of the above observations related to the package, it is once again clarified that all the Conditions specified and Specifications given in the bid document including corrigendum are minimum indicative and binding on you.

Yours sincerely

15.11.2021

Chief Engineer, OB&CC Ltd.

Copy to-

a) Senior Project Manager, EKAMRA Division, OB&CC Ltd.

For The Seal Coat
Structural Works (P) Ltd.
Sanjoy Kumar Dey
Manager

Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

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(ଓଡ଼ିଶା ସରକାରଙ୍କ ପୂର୍ତ୍ତ ବିଭାଗ ଅଧିନର ଏକ ଉଦ୍ୟୋଗ)

ODISHA BRIDGE & CONSTRUCTION CORPORATION LIMITED

(A Government of Odisha Undertaking under Works Department)

No: 8829 Date: 8.11.2021

File: SMT-1763

From

Er. Dukhabandhu Behera
Chief Engineer,
OB&CC Ltd, Bhubaneswar
Email: cgm2obcc@gmail.com

To

The Sealcoat Structural Works Private Limited,
43,1 Park Tower, Ekamra Marg, Ganga Nagar, Unit-6, Bhubaneswar-751001
Email: sealcoatbbsr@gmail.com

Kind Attention: Mr. Biswajit Bhuyan

Sub: Special repair (Structural) to the Dhauli Shanti Stupa for the year 2021-22 on Turnkey basis- **Invitation for Technical Presentation.**

Ref: i). Bid Identification No.27/Tender/OBCC/2021-22
ii). Your application opened on 29.10.2021

Dear Sir,

Please refer to your application in response to Invitation for Bid (IFB) issued by the undersigned for the above-mentioned Project.

1. Pursuant to Criteria for evaluation of the Bidder for Technical Presentation vide ANNEXURE-II to ITB, you are requested to please make yourself available for the Technical Presentation before the Technical Committee.
2. Please be informed that the time of your technical presentation is scheduled at 05:00 PM on **11/11/2021** in the address given below.
   Conference Hall, Vikash Bhavan, Nayapalli, Bhubaneswar-751012
   Phone No. 0674-239-4093/6309/0043
   Fax: 0674-2396326
3. The timing for your presentation is **5:00 P.M. to 5:30 P.M.** The total duration of the presentation including question hour is **Thirty (30) Minutes.**
4. You are requested to intimate the name and mobile number of the person of your organization who will deliver the technical presentation by email to cgm2obcc@gmail.com sufficient before the time of presentation.
5. You are also requested to submit a hardcopy/Softcopy of your presentation prior to the date of presentation

For The Seal Coat Structural Works (P) Ltd.
Manager

Yours sincerely
8.11.21
Chief Engineer, OB&CC Ltd.

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

ODISHA BRIDGE & CONSTRUCTION CORPORATION LIMITED
(A Government of Odisha Undertaking)
VIKASH BHAVAN, NAYAPALLI, BHUBANESHWAR-751012

NATIONAL COMPETITIVE BIDDING
(WORKS ON TURNKEY BASIS WITH INSPECTION, TESTING, DESIGN & EXECUTION)

KEY DATES

1.	NAME OF WORK	:	Special repair (Structural) to the Dhauli Shanti Stupa for the year 2021-22 on Turnkey basis
2.	PERIOD OF AVAILIBILITY OF BIDDING DOCUMENT	:	From Dt. 04.10.2021, 5.00P.M to 29.10.2021, 4.00 PM
3.	LAST DATE OF RECEIPT OF PRE-BID QUERY	:	Dt. 11.10.2021 upto 5.00 PM
4.	DATE OF PRE-BID MEETING	:	Not Applicable
5.	ISSUE OF PRE-BID CLARIFICATION	:	Dt. 22.10.2021
6.	LAST DATE AND TIME FOR RECEIPT OF BIDS	:	29.10.2021, 4.00 PM
7.	DATE AND TIME OF OPENING OF TECHNICAL BIDS	:	29.10.2021, 5.00 PM
8.	DATE AND TIME OF TECHNICAL PRESENTATION	:	TO BE ANNOUNCED
9.	DATE AND TIME OF OPENING OF FINANCIAL BIDS		TO BE ANNOUNCED
10.	PLACE OF OPENING OF BIDS		Office of the Managing Director, Odisha Bridge & Construction Cooperation Ltd., Vikash Bhawan, 2nd Floor Conference Hall, Nayapalli, Bhubaneshwar-751012.
11.	OFFICER INVITING BIDS		Chief Engineer, Odisha Bridge & Construction Corporation Ltd., Odisha.

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

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ଓଡ଼ିଶା ସେତୁ ଓ ନିର୍ମାଣ ନିଗମ ଲିଃ

(ଓଡ଼ିଶା ସରକାରଙ୍କ ପୂର୍ତ୍ତ ବିଭାଗ ଅଧିନର ଏକ ଉଦ୍ୟୋଗ)

ODISHA BRIDGE & CONSTRUCTION CORPORATION LIMITED

(A Government of Odisha Undertaking under Works Department)

No: 7939 Date. 30.09.2021

File: SMT-1763

NOTICE INVITING TENDER

Bid Identification: 27/Tender/OBCC/2021-22

1. The Chief Engineer, Odisha Bridge & Construction Corporation Limited, Vikash Bhavan, Nayapalli, Bhubaneshwar – 751012 on behalf of Governor of Odisha, invites bids from eligible bidders for the work mentioned below on Turnkey basis at Bhubaneswar.

SL. No.	NAME OF THE WORK	CONCERNED NODAL OFFICER WITH HEADQUARTERS	BID SECURITY (OFF LINE SUBMISSION)	Bid Processing fee	TIME FOR COMPLETION
1	2	3	4	5	6
1	Special repair (Structural) to the Dhauli Shanti Stupa for the year 2021-22 on Turnkey basis	Sr. Project Manager, Ekamra Division OB&CC Ltd, BBSR	NIL (Bid Security Declaration form in prescribed format needs to be submitted)	₹.11,200/- (Including GST)	05 (Five) Calendar Months

2. The Bid document shall be available in the website https://tendersodisha.gov.in, from **5.00 P.M. of dt.04.10.2021 to 04.00 P.M. of dt. 29.10.2021 for online bidding.**
3. The bidder must possess compatible Digital Signature Certificate (DSC) of Class – II or Class – III. The online bidding procedure is indicated in the document.
4. The bid shall be received only on "online" on or before 04:00 P.M. of 29.10.2021.
5. Pre bid queries will be received upto 5:00 P.M of 11.10.2021 through email mdobcc@gmail.com, cgm2obcc@gmail.com, smt1obcc@gmail.com.
6. Pre bid clarifications will be uploaded in e-procurement portal on or before 22.10.2021
7. The Bidders must submit the non-refundable Bid Processing Fee of required amount as stated in the above table at column no. 5.

For The Seal Coat
Structural Works (P) Ltd.
Sanjoom Kumar Das
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

8. The technical bids received online shall be opened on dt. **29.10.2021 at 5:00PM** in the Conference Hall, Second Floor, Odisha Bridge & Construction Cooperation Ltd, Vikash Bhavan, Nayapalli, Bhubaneshwar, Odisha in the presence of bidders who wish to attend. If the office happens to be closed on the date of opening as specified, then the same will be opened on the next working day.

9. The Bid security declaration in the prescribed format shall have to be prepared by the bidder and the scanned copy of the same shall have to be uploaded along with the technical bid failing which the bid shall be summarily rejected.

10. The original financial transaction receipt in support of bid processing fee and bid security declaration shall have to be submitted on or before **04:00 P.M of dt. 29.10.2021** to the Chief Engineer, OB&CC Ltd. failing which the bid shall not be evaluated and liable for rejection.

11. Bids submitted other than e-procurement platform shall not be considered.

12. The authority reserves the right to cancel any or all bids without assigning any reason thereof.

13. Further details with any addendum, corrigendum, cancellation can be seen from the website https://tendersodisha.gov.in only.

29.9.2021.

Chief Engineer
OB & CC Ltd.

C.C to: -

i. Commissioner-cum-Secretary to Government of Odisha, Works Department, Bhubaneswar.
ii. Engineer-in-chief -cum – Managing Director, OB & CC Ltd., Bhubaneswar.
iii. Engineer-in-chief (Civil), Nirmana Soudha, Bhubaneswar.
iv. Collector-cum-District Magistrate, Khordha & Chairman DDC.
v. Chief Engineer (DPI&Roads), Odisha/Chief Engineer (Building), Odisha/ Chief Engineer (NHs), Odisha/ Chief Manager (Technical), State e-Procurement Cell, O/o E.I.C., Nirman Soudha, Bhubaneswar/ Chief Engineer, NIC Office, Bhubaneswar.
vi. Senior Project Manager, Ekamra Division, O B & C C Ltd., Bhubaneswar.
vii. Manager (Finance.), O B & C C Ltd., Vikash Bhawan, Nayapall, Bhubaneswar.

For information.

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

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ODISHA BRIDGE & CONSTRUCTION CORPORATION LIMITED
(A Government of Odisha Undertaking)
VIKASH BHAWAN, NAYAPALLI, BHUBANESHWAR-751012
PHONE NO. 0674- 2394093, 2396309, 2390043 FAX-2396326

****

Bid Identification No. 27 /Tender/OBCC/2020-21

NATIONAL COMPETITIVE BIDDING
(WORKS ON TURNKEY BASIS WITH INSPECTION, TESTING, DESIGN & EXECUTION)

Special repair (Structural) to the Dhauli Shanti Stupa for the year 2021-22 on Turnkey basis

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

Table of Contents

Sl. No.	Section	Particulars
1		Invitation for Bids
2	1	Instructions to Bidders & Bid Data Sheet
3	2	Form of bid, Qualification Information, and LoA
4	3	Conditions of Contract
5	4	Contract data
6	5	Securities and other forms
7	6	Technical Specifications
8	7	Conceptual and Indicative Drawings
9	8	Terms of Reference, Design Brief & Scope of Work
10	9	Payment Schedule
11	10	Documents to be furnished by bidder

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

PART-1

BIDDING PROCESS

INVITATION FOR BIDS

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

For The Seal Coat
Structural Works (P) Ltd.
Manager

ODISHA BRIDGE & CONSTRUCTION CORPORATION LIMITED
(A Government of Odisha Undertaking)
VIKASH BHAVAN, NAYAPALLI, BHUBANESHWAR-751012

NATIONAL COMPETITIVE BIDDING
(WORKS ON TURNKEY BASIS WITH INSPECTION, TESTING, DESIGN & EXECUTION)

KEY DATES

1.	NAME OF WORK	:	Special repair (Structural) to the Dhauli Shanti Stupa for the year 2021-22 on Turnkey basis
2.	PERIOD OF AVAILIBILITY OF BIDDING DOCUMENT	:	From Dt. 04.10.2021, 5.00P.M to 29.10.2021, 4.00 PM
3.	LAST DATE OF RECEIPT OF PRE-BID QUERY	:	Dt. 11.10.2021 upto 5.00 PM
4.	DATE OF PRE-BID MEETING	:	Not Applicable
5.	ISSUE OF PRE-BID CLARIFICATION	:	Dt. 22.10.2021
6.	LAST DATE AND TIME FOR RECEIPT OF BIDS	:	29.10.2021, 4.00 PM
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9.	DATE AND TIME OF OPENING OF FINANCIAL BIDS		TO BE ANNOUNCED
10.	PLACE OF OPENING OF BIDS		Office of the Managing Director, Odisha Bridge & Construction Cooperation Ltd., Vikash Bhawan, 2nd Floor Conference Hall, Nayapalli, Bhubaneshwar-751012.
11.	OFFICER INVITING BIDS		Chief Engineer, Odisha Bridge & Construction Corporation Ltd., Odisha.

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

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(ଓଡ଼ିଶା ସରକାରଙ୍କ ପୂର୍ତ୍ତ ବିଭାଗ ଅଧିନର ଏକ ଉଦ୍ୟୋଗ)

ODISHA BRIDGE & CONSTRUCTION CORPORATION LIMITED

(A Government of Odisha Undertaking under Works Department)

No: 7939 Date. 30.09.2021

File: SMT-1763

NOTICE INVITING TENDER

Bid Identification: 27/Tender/OBCC/2021-22

1. The Chief Engineer, Odisha Bridge & Construction Corporation Limited, Vikash Bhavan, Nayapalli, Bhubaneshwar – 751012 on behalf of Governor of Odisha, invites bids from eligible bidders for the work mentioned below on Turnkey basis at Bhubaneswar.

SL. No.	NAME OF THE WORK	CONCERNED NODAL OFFICER WITH HEADQUARTERS	BID SECURITY (OFF LINE SUBMISSION)	Bid Processing fee	TIME FOR COMPLETION
1	2	3	4	5	6
1	Special repair (Structural) to the Dhauli Shanti Stupa for the year 2021-22 on Turnkey basis	Sr. Project Manager, Ekamra Division OB&CC Ltd, BBSR	NIL (Bid Security Declaration form in prescribed format needs to be submitted)	₹.11,200/- (Including GST)	05 (Five) Calendar Months

2. The Bid document shall be available in the website https://tendersodisha.gov.in, from **5.00 P.M. of dt.04.10.2021 to 04.00 P.M. of dt. 29.10.2021 for online bidding.**
3. The bidder must possess compatible Digital Signature Certificate (DSC) of Class – II or Class – III. The online bidding procedure is indicated in the document.
4. The bid shall be received only on "online" on or before 04:00 P.M. of 29.10.2021.
5. Pre bid queries will be received upto 5:00 P.M of 11.10.2021 through email mdobcc@gmail.com, cgm2obcc@gmail.com, smt1obcc@gmail.com.
6. Pre bid clarifications will be uploaded in e-procurement portal on or before 22.10.2021
7. The Bidders must submit the non-refundable Bid Processing Fee of required amount as stated in the above table at column no. 5.

For The Seal Coat Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

8. The technical bids received online shall be opened on dt. **29.10.2021 at 5:00PM** in the Conference Hall, Second Floor, Odisha Bridge & Construction Cooperation Ltd, Vikash Bhavan, Nayapalli, Bhubaneshwar, Odisha in the presence of bidders who wish to attend. If the office happens to be closed on the date of opening as specified, then the same will be opened on the next working day.

9. The Bid security declaration in the prescribed format shall have to be prepared by the bidder and the scanned copy of the same shall have to be uploaded along with the technical bid failing which the bid shall be summarily rejected.

10. The original financial transaction receipt in support of bid processing fee and bid security declaration shall have to be submitted on or before **04:00 P.M of dt. 29.10.2021** to the Chief Engineer, OB&CC Ltd. failing which the bid shall not be evaluated and liable for rejection.

11. Bids submitted other than e-procurement platform shall not be considered.

12. The authority reserves the right to cancel any or all bids without assigning any reason thereof.

13. Further details with any addendum, corrigendum, cancellation can be seen from the website https://tendersodisha.gov.in only.

29.9.2021.
Chief Engineer
OB & CC Ltd.

C.C to: -

i. Commissioner-cum-Secretary to Government of Odisha, Works Department, Bhubaneswar.
ii. Engineer-in-chief -cum – Managing Director, OB & CC Ltd., Bhubaneswar.
iii. Engineer-in-chief (Civil), Nirmana Soudha, Bhubaneswar.
iv. Collector-cum-District Magistrate, Khordha & Chairman DDC.
v. Chief Engineer (DPI&Roads), Odisha/Chief Engineer (Building), Odisha/ Chief Engineer (NHs), Odisha/ Chief Manager (Technical), State e-Procurement Cell, O/o E.I.C., Nirman Soudha, Bhubaneswar/ Chief Engineer, NIC Office, Bhubaneswar.
vi. Senior Project Manager, Ekamra Division, O B & C C Ltd., Bhubaneswar.
vii. Manager (Finance.), O B & C C Ltd., Vikash Bhawan, Nayapall, Bhubaneswar.

For information.

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

For The Seal Coat
Structural Works (P) Ltd.
Manager

SECTION 1
INSTRUCTION TO BIDDERS
(ITB)

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

A. GENERAL INSTRUCTIONS

1. Scope of Bid:

1.1 The Employer [As mentioned in Bid Data Sheet at the end of Section-1] invites bids for the works namely [As mentioned in Bid Data Sheet at the end of Section-1] with design and execution (as defined in this document and referred to as "the works").

1.2 The successful bidder shall be expected to complete the works by the intended completion date specified in the Contract.

1.3. Throughout these bidding documents, the terms 'bid' and 'tender' and their derivatives (bidder, tenderer, bid/ tender, bidding/ tendering, etc.) are synonymous. Contractor means the selected bidder for the work.

2. Source of Funds:

The expenditure on this project shall be met from the funds allocated by Collector, Khordha.

3. Eligible Bidders:

3.1. This Invitation for Bids is open to all Original Equipment Manufactures (OEM) of waterproofing chemicals or paints for industrial application and/or their Authorised Applicator and/or service provider. Bidders are advised to note the minimum qualification criteria specified in the "Instruction to Bidders" to qualify for the award of contract.

3.2. All bidders shall provide in Section 2, Forms of Bid and Qualification Information.

3.3 Bidders shall not be under a declaration of ineligibility for corrupt and fraudulent practices & any debarment anywhere in INDIA.

4. Qualification of the Bidder:

4.1 All bidders shall provide Forms of Bid and Qualification Information under Section 2, a preliminary description of the proposed work method and schedule, including drawings and charts, as necessary. The proposed methodology should include programme of construction backed with equipment planning and deployment duly supported with broad calculations and quality – assurance procedures proposed to be adopted justifying their capability of execution and completion of work as per technical specifications, within stipulated period of completion.

4.2 If the Employer has not undertaken prequalification of potential bidders, all bidders shall include the following information and documents with their bids in Section 2:

(a) Copies of original documents defining the constitution or legal status, place of registration, and principal place of business, written power of attorney of the signatory of the Bid to commit the Bidder;

(b) Financial Turnover of the bidder from construction works during last five financial years.[As mentioned in Bid Data Sheet at the end of Section-1]

(c) Experience in similar works [As mentioned in Bid Data Sheet at the end of Section-1] and size for each of the last five financial years, and details of works under way or contractually committed and clients who may be contacted for further information on those contracts;

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

(d) Major items of construction equipment proposed to carry out the Contract;

(e) Qualifications and experience of key site management and technical personnel proposed for the Contract;

(f) Reports on the financial standing of the Bidder, such as profit and loss statements and auditor's reports for the past five financial years;

(g) Evidence of adequacy of working capital for this contract [access to line (s) of credit and availability of other financial resources];

(h) Authority to seek references from the Bidder's bankers;

(i) Information regarding any litigation, arbitration, debarment, termination, notice for recession of contract, abandonment of work, etc. resulting from contracts executed or under execution by the bidder within the last five years of bid submission due date of this tender. The information shall include the name of the employer with contact details, description of work, agreement no., status and matter of dispute and/or issues, contact details of employer;

(j) Proposals for subcontracting components of the works amounting to more than ....[As mentioned in Bid Data Sheet at the end of Section-1] percent of the Bid Price (for each, the qualifications and experience of the identified sub-contractor in the relevant field should be annexed); and

(k) The proposed methodology and program of construction, backed with equipment planning and deployment, duly supported with broad calculations and quality control procedures proposed to be adopted, justifying their capability of execution and completion of the work as per technical specifications within the stipulated period of completion as per milestones as mentioned in the Contract data. .[As mentioned in Bid Data Sheet at the end of Section-1]

(l) The bidder should be an Original Equipment Manufacture (OEM) of waterproofing chemicals or paints for industrial application and/or their Authorised Applicator and/or service provider. Necessary documents such as Authorization Certifcate from OEM to be provided if the bidder is an Authorised Applicator and/or service provider of OEM.

4.3 Bids from Joint ventures/association of firms: .....[As mentioned in Bid Data Sheet at the end of Section-1].

4.4 A. To qualify for award of contract, each bidder in its name should have in the last five financial years immediately preceding the financial year in which the bids are received:-

(a) Achieved a minimum annual financial turnover[1] from construction works of .....[As mentioned in Bid Data Sheet at the end of Section-1].

(b) Satisfactorily completed, as a prime Bidder, at least one similar work / any major civil construction work of value not less than.....[As mentioned in Bid Data Sheet at the end of Section-1]. Bidder should submit completion certificate for Central / State Government projects. For private sector projects, completion certificate with TDS shall be submitted.

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[1] *Financial turnover from construction works and cost of completed works of previous financial years shall be given weightage of 10% (ten percent) per year based on rupee value to bring them to the price level up to the year of bid invitation.*

For The Seal Coat
Structural Works (P) Ltd.
Sanjam Keshari Dy
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

~~(c) Executed in any one financial year, the minimum quantities of the following items of work .....[As mentioned in Bid Data Sheet at the end of Section-1].~~

(d) Bidders must furnish their bid, a detailed construction planning and methodology supported with layout and necessary drawings and detailed calculations to allow the employer to review their proposals

4.4. B. Each bidder should further demonstrate:

(a) Availability (either owned or leased) of the following key and critical equipment for this work:

Sl. No.	List of plants and equipment [As mentioned in Bid Data Sheet at the end of Section-1].	Requirement[2] [As mentioned in Bid Data Sheet at the end of Section-1].
1.		
2.		

(b) The bidders should, however, undertake their own studies and furnish with their bid, a detailed construction planning and methodology supported with layout and necessary drawings and detail calculations to allow the employer to review their proposals. The numbers, types and capacities of each plant/equipment shall be shown in the proposals along with the cycle time for each operation for the given production capacity to match the requirements.

(c) Liquid assets and / or availability of credit facilities of not less than the amount of Rs..[As mentioned in Bid Data Sheet at the end of Section-1]. crores *(Credit lines / Letter of Credit / Certificate from banks for meeting the fund requirements, etc)*

4.5 Sub-contractors' experience and resources shall not be taken into account in determining the bidder's compliance with the qualifying criteria. [Clarified in Bid Data Sheet at the end of Section-1]

4.6 Bidders who meet the minimum qualification criteria will be qualified only if their available bid capacity is more than the total bid value. The available bid capacity will be calculated as under:

Assessed Available Bid Capacity = (A x N x 2) - B

Where:

A = Maximum value of construction works executed in any one financial year during the last five financial years (updated to bid invitation year .....[As mentioned in Bid Data Sheet at the end of Section-1] price level) taking into account the completed as well as works in progress.

[2] *Based on the preliminary studies carried out by the department, an indicative list of major equipment and their quantity to attain the completion of works are shown in the Bid Data Sheet.*

For The Seal Coat
Structural Works (P) Ltd.
Sanjoy Kesher
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

N = Number of years prescribed for completion for which the bid has been invited

B = Value (updated to the price level on the financial year in which bids are received) of existing commitments and on-going works[3] to be completed during the next .....[As mentioned in Bid Data Sheet at the end of Section-1]

4.7 Even though the bidders meet the above qualifying criteria, they are subject to be disqualified if they have:

(a) Made any misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or

(b) Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.; and / or

(c) Participated in the previous bidding for the same work and had quoted unreasonably high bid prices and could not furnish rational justification to the employer.

5. One Bid per Bidder:

Each bidder shall submit only one bid for one package. A bidder who submits or participates in more than one Bid will cause all the proposals with the Bidder's participation to be disqualified.

6. Cost of Bidding:

The bidder shall bear all costs associated with the preparation and submission of his Bid, and the Employer will in no case be responsible and liable for those costs.

7. Site visit:

The Bidder, at the Bidder's own responsibility and risk is encouraged to visit and examine the Site of Works and its surroundings and obtain all information that may be necessary for preparing the Bid and entering into a contract for construction of the Works. The costs of visiting the Site shall be at the Bidder's own expense.

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[3] *The statements showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Engineer-in - charge, not below the rank of an Executive Engineer or equivalent or certified by registered Chartered Accountant.*

For The Seal Coat
Structural Works (P) Ltd.
Sangram Keshari Das
Manager

Sr. Project Manag
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

B. BIDDING DOCUMENTS

8. Content of Bidding Documents:

8.1 The set of bidding documents comprises the documents listed below, and addenda issued in accordance with Clause 10:

Section	Particulars
	Invitation for Bids
1	Instructions to Bidders
2	Form of bid, Qualification Information, and other forms
3	Conditions of Contract
4	Contract data
5	Technical Specifications
6	Securities and other forms
7	Conceptual and Indicative Drawings
8	Terms of Reference, Design Brief & Scope of Work
9	Payment Schedule
10	Documents to be furnished by bidder

8.2. The Bidder shall download the above listed documents as listed above and shall submit his bid after preparing the same in compliance to Section-2 (refer clause 12).

8.3. The bidder shall be expected to examine carefully all instructions, conditions of contract, contract data, forms, terms, technical specifications, annexures and drawings in the Bid Document. Failure to comply with the requirements of Bid Documents shall be at the bidder's own risk. Pursuant to Clause 26 hereof, bids, which are not substantially responsive to the requirements of the Bid Documents, shall be rejected.

9. Clarification of Bidding Documents:

9.1 A prospective bidder requiring any clarification of the bidding documents may notify the Employer in writing or by cable (hereinafter "cable" includes telex, facsimile and e-mail) at the Employer's address indicated in the invitation to bid. The Employer will respond to any request for clarification, which he received earlier than 15 days prior to the deadline for submission of bids. Copies of the Employer's response will be posted in e-procurement portal, including a description of the enquiry but without identifying its source.

9.2 **Pre-bid meeting:**

9.2.1 ~~The bidder or his official representative is invited to attend a pre-bid meeting which shall be held on ……at……in the Office of….[As mentioned in Bid Data Sheet at the end of Section-1].~~

For The Seal Coat
Structural Works (P) Ltd.
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Manager

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9.2.2 ~~The purpose of this meeting will be to clarify issues and to answer questions on any matter that may be raised at this stage.~~

9.2.3 The bidder is requested to submit any questions in writing to reach the Employer not later than the date as mentioned in the Bid Data Sheet

9.2.4 Minutes of the meeting/ response to queries, including the text of the questions raised (without identifying the source of enquiry) and the responses given will be uploaded in e-procurement portal. Any modification of the bidding documents listed in Sub-Clause 8.1 which may become necessary as a result of the pre-bid meeting/ queries shall be made by the Employer exclusively through the issue of an addendum/ corrigendum pursuant to Clause 10 and not through the minutes of the pre-bid meeting.

9.2.5 ~~Non-attendance at the pre-bid meeting will not be a cause for disqualification of a bidder.~~

10. Amendment of Bidding Documents:

10.1 Before the deadline for submission of bids, the Employer may modify the bidding documents by issuing addendum/ corrigendum.

10.2 Any addendum/ corrigendum thus issued shall be part of the bidding documents and shall be posted in e-procurement portal.

10.3 To give prospective bidders reasonable time [As mentioned in Bid Data Sheet at the end of Section-1] in which to take an addendum into account in preparing their bids, the Employer shall extend as necessary the deadline for submission of bids, in accordance with Sub-Clause 20.2 below.

10.4 The addendum/ corrigendum shall also be available in official website .....[As mentioned in Bid Data Sheet at the end of Section-1].

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C. PREPARATION OF BIDS

11. Language of the Bid:

All documents relating to the bid shall be in the English language.

12. Documents comprising the Bid:

12.1 The bid to be submitted by the bidder (refer Clause 8.1) shall be in two separate parts:

Cover-I: Shall be named "***Technical Bid***" and shall comprise *(to be submitted online only)*: -

(i) Technical Bid (in the format indicated at Section 2);

(ii) Bid Security Declaration in the form specified in Section 2 & Scanned copy of Transaction receipt of the Bid Processing Fee.

(iii) Qualification Information and supporting documents as specified in Section -2

(iv) Certificates, undertakings, affidavits as specified in Section 2,

(v) Undertaking that the bid shall remain valid for the period specified in Clause 15.1 of Bid Data Sheet

Cover –II: Shall be named "***Financial Bid***" and shall comprise *(to be submitted online only)*

(i) The Lump sum Price Bid

Cover-III: DELETED

Cover-IV:

Bidder shall furish other documents *(both in online as well as hardcopy)* like Transaction report relating to Bid Processing Fee and Bid Security Declaration.

13. Bid Price:

13.1 The contract shall be for the whole work as described in Sub-Clause 1.1, based on the Lump Sum Price Bid submitted by the Bidder.

13.2 The bidder shall fill the total bid price as **Lump Sum Price** (both in figures and words) for execution of work on Turnkey basis including all items of works as specified in the Bid document.

13.3 The prices tendered shall except in so far as it is otherwise, provided under the contract, include all constructional plant, labour, supervision, materials, erection maintenance, insurance, profit, taxes and duties (except GST) & other levies together with all general risks, liabilities and obligations set out or implied in the contract.

13.4 The lump sum bid price quoted by the bidder shall be fixed for the duration of the Contract and shall not be subject to adjustment on any account.

14. Currencies of Bid and Payment:

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The currency of bid and payment shall be quoted by the bidder entirely in Indian Rupees. All payments shall be made in Indian Rupees.

15. Bid Validity:

15.1 Bids shall remain valid for a period …….. [As mentioned in Bid Data Sheet at the end of Section-1] after the due date for bid submission specified in Clause 20. A bid valid for a shorter period shall be rejected by the Employer as non-responsive. In case of discrepancy in bid validity period between that given in the undertaking pursuant to Clause 12.1 (v) and the Form of Bid submitted by the bidder, the latter shall be deemed to stand corrected in accordance with the former and the bidder has to provide for any additional security that is required.

15.2. In exceptional circumstances, prior to expiry of the original time limit, the Employer may request that the bidders and the bidder may extend the period of validity for a specified additional period. The request and the bidders' responses shall be made in writing or by cable / e-mail. A bidder may refuse the request without forfeiting his bid security. A bidder agreeing to the request will not be required or permitted to modify his bid but will be required to extend the validity of his bid security for a period of the extension, and in compliance with Clause 16 in all respects.

16. Bid Security:

16.1 As per FD OM No 8943 Dated 18.03.2021, instead of Bid Security Amount the bidder shall submit a Bid Security Declaration along with his technical bid in the format available in section-2 of this document failing which the bid shall be summarily rejected.

Penal/ Legal actions under Bid Security Declarations shall be undertaken for all actions prohibited under Bid Security Declarations.

17. Alternative Proposals by Bidders:

Bidders shall submit offers as per his own estimate based on his own design & drawing but complying with the requirements of the bidding documents, including the basic technical design parameters and as per regulations of concerned Urban Development Authority, OECBC, specifications relevant to MoRT&H, IRC, IS Codes & NBC.

Conditional offer or alternative offers will not be considered further in the process of tender evaluation.

18. Format and Signing of Bid: Refer e-Procurement procedure as annexed.

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D. SUBMISSION OF BIDS

Online submission as per Govt. of Odisha e-Procurement Procedure annexed

19. **Sealing and Marking of Bids –** Refer e-procurement procedure as annexed in Annexure-I to ITB for Cover-I and Cover-II of the bid (Clause-12.1).

20. **Deadline for Submission of the Bids**

20.1 Bid shall be received on or before [As mentioned in 20.1 of Bid Data Sheet at the end of Section-1] as notified in IFB.

20.2 The Employer may extend the deadline for submission of bids by issuing an amendment in accordance with Clause 10, in which case all rights and obligations of the Employer and the bidders previously subject to the original deadline will then be subject to the new deadline.

21. **Late Bids:** Not applicable as per e-Procurement procedure. Employer will not be responsible for non-submission of bids due to technical glitch (like slow net speed, crash of portal) in e-procurement portal.

22. **Modification and Withdrawal of Bids:** Refer e-Procurement procedure as annexed.

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E. BID OPENING AND EVALUATION

23. Bid Opening:

23.1 All the bids received shall be opened in the Office of the Employer on [As mentioned in Bid Data Sheet at the end of Section-1] in the presence of the Bidders or their representatives who choose to attend. In the event of the specified date of Bid opening being declared a holiday, the Bids will be opened at the appointed time and location on the next working day. Refer e-Procurement procedure as annexed

23.2 The Employer shall prepare minutes of the Bid opening.

24. Process to be Confidential:

Information relating to the examination, clarification, evaluation, and comparison of Bids and recommendations for the award of a contract shall not be disclosed to Bidders or any other persons not officially concerned with such process until the award is successful and Bidder has been announced. Any effort by a Bidder to influence the Employer's processing of Bids or award decisions may result in the rejection of his Bid.

25. Clarification of Financial Bids:

25.1. To assist in the examination, evaluation, and comparison of Bids, the Employer may, at his discretion, ask the lowest evaluated responsive bidder for clarification of his-Bid, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable/e-mail, but no change in the price or substance of the Bid shall be sought, offered, or permitted.

25.2. Subject to Sub-Clause 24.1, no Bidder shall contact the Employer on any matter relating to his bid from the time of the bid opening to the time the contract is awarded. If the Bidder wishes to bring additional information to the notice of the Employer, it should do so writing.

25.3. Any effort by the Bidder to influence the Employer in the Employer's bid evaluation, bid comparison or contract award decisions may result in the rejection of the Bidders' bid.

26. Examination of Bids and Determination of Responsiveness:

26.1 During the detailed evaluation of "Technical Bids", the Employer will determine whether each Bid

(a) Meets the eligibility criteria defined in Clause 3 and 4;

(b) Is accompanied by the required Bid Securities Declaration and;

(c) Is substantially responsive to the requirements of the Bidding documents.

(d) Is fulfilling the requirements of IFB.

(e) Is substantially responsive to the requirements of the Bidding documents. During the detailed evaluation of the "Financial Bid" of the lowest evaluated bidder, the responsiveness of the bids will be further determined with respect to the remaining bid conditions, i.e. priced bill of quantities, technical specifications, and drawings.

26.2 A substantially responsive "Financial Bid" is one which conforms to all the terms, conditions, and specifications of the Bidding documents, without material deviation or reservation. A material

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deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the works; (b) which limits in any substantial way, inconsistent with Bidding documents, the Employer's rights or the Bidder's obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other Bidders presenting substantially responsive Bids.

26.3 If a "Financial Bid" is not substantially responsive, it will be rejected by the Employer and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation.

27. Correction of Errors - Not applicable as per e-procurement procedure.

28. Evaluations and Comparison of Financial Bids

28.1. The Employer will evaluate and compare only the Bids determined to be substantially responsive in accordance with the procedure as per **Annexure-II**.

28.2. The Employer reserves the right to accept or reject any variation arising out of change in scope of work. Such variations, which are in excess of the requirements of the Bidding documents, shall not be taken into account in Bid evaluation.

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F. AWARD OF CONTRACT

29. Award Criteria:

29.1 Subject to Clause 30, the Employer will award the Contract to the Bidder whose Bid has been determined to be substantially responsive to the Bidding documents and who has offered the lowest evaluated Bid price, provided that such Bidder has been determined to be

(a) eligible in accordance with the provisions of Clause 3 and

(b) qualified in accordance with the provisions of Clause 4.

29.2 In no case, the contract shall be awarded to any bidder whose available bid capacity is less than the evaluated bid price, even if the said bid is the lowest evaluated bid. The contract will in such cases be awarded to the next lowest bidder at his evaluated bid price.

30. Employer's Right to accept any Bid and to reject any or all Bids:

30.1 Notwithstanding Clause 29, the Employer reserves the right to accept or reject any Bid and to cancel the Bidding process and reject all Bids at any time prior to the award of Contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for the Employer's action.

30.2 The Employer reserves the right to reject any Application and/ or Bid if:

(a) at any time, a material misrepresentation is made or uncovered, or

(b) The Bidder does not provide, within the time specified by the Employer, the supplemental information sought by the Employer for evaluation of the Bid.

If the Bidder is a Joint Venture, then the entire Joint Venture may be disqualified/ rejected. If such disqualification/ rejection occur after the Bids have been opened and the Lowest Bidder gets disqualified/ rejected, then the Employer reserves the right to:

i. invite the next lowest Bidder to match the price bid of the first lowest bidder

ii. Take any such measure as may be deemed fit in the sole discretion of the Employer, including annulment of the Bidding Processes.

30.3 In case it is found during the evaluation or at any time before signing of the Agreement or after its execution and during the period of subsistence thereof, including the Defects Liability Period, that one or more of the bid conditions have not been met by the Bidder , or the Bidder has made material misrepresentation or has given any materially incorrect or false information, the Bidder shall be disqualified forthwith if not yet appointed as the Contractor either by issue of the LOA or entering into the Agreement , and if the Bidder has already been issued the LOA or has entered into the Agreement, as the case may be, the same shall, notwithstanding anything to the contrary contained therein or in this RFP, be liable to be terminated, by a communication in writing by the Employer to the Bidder , without the Employer being liable in any manner whatsoever to the Bidder and without prejudice to any other right or remedy which the Employer may have under this RFP, the Bidding Documents, the Agreement or under applicable law.

30.4 The Employer reserves the right to verify all statements, information and documents submitted by the Bidder in response to the RFQ cum RFP. Any such verification or lack of such verification by the

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Employer shall not relieve the Bidder of its obligations or liabilities hereunder nor will it affect any rights of the Employer thereunder.

31. Notification of Award and Signing of Agreement:

31.1 The Bidder whose Bid has been accepted will be notified of the award by the Employer prior to expiration of the Bid validity period by cable, telex, facsimile or e-mail confirmed by registered letter. This letter (hereinafter and in the Conditions of Contract called the "***Letter of Acceptance***" will state the sum that the Employer will pay the Bidder in consideration of the design and execution the works on a turnkey basis by the Bidder as prescribed by the Contract (hereinafter and by the Contract called the "***Contract Price***").

31.2 The notification of award will constitute the formation of the Contract, subject only to the furnishing of a performance security in accordance with the provisions of Clause 32.

31.3 The Contract will incorporate all agreements between the Employer and the successful Bidder. The detail work programme and milestone wise activity shall be finalized during contract negotiation with the successful bidder within 14 days after notification of award. The agreed work programme / milestone shall form part of the contract agreement..Within 21 days of receipt, the successful Bidder will sign the Agreement and deliver it to the Employer. The agreement will be signed by the Employer and sent to the successful Bidder, within 28 days following the notification of award along with the Letter of Acceptance

31.4 Upon the furnishing by the successful Bidder of the Performance Security, the Employer will promptly notify the other Bidders that their Bids have been unsuccessful.

31.5 In the event of non-payment of the performance security by the L1 bidder, the successful bidders in sequence (L2, L3 ....) may be asked for negotiation for execution of the work with the bid price quoted by the L1 bidder.

32 Performance Security: Modified as per FD OM No.8952 Dated 18-03-2021.

32.1 Within 21 days of receipt of the Letter of Acceptance, the successful Bidder shall deliver to the Employer a **Performance Security** [valid for a period as stipulated in Cl. 48 of Conditions of Contract & in the contract data] in any of the forms given below for an amount **equivalent to 3 (three)% of the Contract price**:

- a bank guarantee issued by any bank indicated in Bid data sheet **payable at par by its branch at Bhuabeswar** in the form given in Section 6; or
- a deposit receipt of any Bank Schedule Bank (list indicated in Bid Data Sheet) / Post Office Savings Bank Account / National Savings Certificate / Post Office Time Deposit Account duly pledged in favour of the [As mentioned in Bid Data Sheet at the end of Section-1].

32.2 deleted

32.3 Failure of the successful Bidder to comply with the requirements of Sub-Clause 32.1 shall constitute

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sufficient grounds for cancellation of the award and and suitable action under provision of Bid Security Declaration or suspension from further bidding for a period of three years from bid due date.

33. **Advance Payment and Security -** The Employer shall make advance payment to the Contractor of the amounts stated in the Contract Data by the date stated in the Contract Data, against provision by the Contractor of an Unconditional Bank Guarantee in a form and by a Bank acceptable to the Employer in amounts and currencies equal to 110 (hundred & ten) % of the advance payment.

34. **Corrupt or Fraudulent Practices:**

34.1 It is required that the bidders / contractors observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, it is:

(a) Defined, for the purposes of this provision, the terms set forth below as follows:

(i) "Corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution and

(ii) "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Employer and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Government of the benefits of free and open competition.

34.2 The Employer will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question and will declare the firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract, if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing the contract.

34.3 Furthermore, Bidders shall be aware of the provision stated in sub-clause 23.2 and sub-clause 54.2 of the Conditions of Contract.

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ANNEXURE-I to ITB

Procedure to participate in online bidding- e-procurement

(Refer clause-19 of ITB)

1. **PARTICIPATING IN THE BID IN THE E-PROCUREMENT PORTAL:** The Contractor/Bidder intending to participate in the bid is required to register in the Portal using his /her active personal/ official e-mail ID as his Login ID and attach his/her valid Digital Signature Certificate (DSC) to his/her unique Login ID. The DSC used must be of appropriate class (Class II or Class III) issued from a registered Certifying Authority such as n-Code, Sify, TCS, MTNL etc. He/ She has to submit the relevant information as asked for about the firm/ contractor. The portal registration of the bidder/ firm is to be authenticated by the State Procurement Cell after verification of original valid certificates/ documents such as (i) PAN and (II) Registration Certificate (RC)/ GST Registration Certificate and GSTIN (for procurement of goods) of the concerned bidder. The time period of validity in the portal is at par with validity of RC/ GST Registration Certificate and GSTIN. Any change of information by the bidder is to be re-authenticated by the State Procurement Cell. After successful authentication bidder can participated in the online bidding process.

   Contractor not regisertered with Government of Odisha, can participate in the e-procurement after necessary enrolement in the portal but have to subsequently register themselves with the appropriate registering authority of the Sate Government before award of the work as per prevalent registration norms of the State.

   1.1 To log on to the portal the Contractor/Bidder is required to type his/her username and password. The system will again ask to select the DSC and confirm it with the password of DSC. For each login, a user's DSC will be validated against its date of validity and also against the Certificate Revocation List (CRL) of respective CAs stored in system database. The system checks the unique ID, password and DSC combination and authenticates the login process for use of portal.

   1.2 The tender documents uploaded by the Tender Inviting Officer in the website https://tendersodisha.gov.in will appear ot the "Active Tenders" Section of the homepage. Only a small notification will be published in the newspaper specifying the work details along with mention of the specific website for details. The publication of the tender will be for specific period of time till the last date of submission of bids as mentioned in the 'Invitation for Bid' after which the same will be removed from the list of Active tenders. Any bidder can view or down load the bid documents from the web site.

   1.3 Contractor exempted from payment of EMD will be able to participate in the tender directly by uploading documentary evidences towards his eligibility for such exemption.

   1.4 The software application has the provision of payment of cost of tender document through payment gateways of authorized bankers by directly debiting the account of the bidders.

   1.5 Furnishing scanned copy of such documents is mandatory along with the tender documents otherwise his/her bid shall be declared as non-responsive and thus liable for rejection. ~~Bidders participating through Joint Venture shall declare the authorized signatory through Memorandum of Understanding duly registered and enroll in the portal in the name and style of the joint venture company~~. It is mandatory that the DSC issued in the name of the authorized signatory is used in the portal.

   1.6 In the case of any failure, malfunction, or breakdown of the electronic system used during the e-

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procurement process, the tender inviting officer shall not accept any responsibility for failures or breakdowns other than in those systems strictly within their own control.

1.7 Any third party/company/person under a service contract for operation of e-procurement system in the State or his/their subsidiaries or their parent companies shall be ineligible to participate in the procurement processes that are undertaken through the e-procurement system irrespective of who operates the system.

1.8 For submission of Bids through the E-Procurement Portal, the bidder shall up load the scanned copy/copies of document in prescribed format wherever warranted in support of eligibility criteria and qualification information. The on line bidder shall have to produce the original documents in support of the scanned copies and statements uploaded in the portal before the specified date as per DTCN.

1.9 Each bidder shall submit only one bid for one package. A bid is said to be complete if accompanied by cost of bid document and appropriate bid security. The system shall consider only the last bid submitted through the E-Procurement portal.

1.10 The bidder may ask question related to tender online in the e-procurement portal using his/her DSC, provided the questions are raised within the period of seeking clarification as mentioned in tender call notice/Bid. The Officer inviting the Bid/ Procurement Officer-Publisher will clarify quarries related to the tender.

1.11 The details of drawings and documents pertaining to the works available with the officer inviting the Bid as well as in the office of the Superintending Engineer and Executive Engineer as mentioned in the Contract Data will be open for inspection by the bidders. The bidder is required to down load all the documents for preparation of his bid. It is not necessary for the part of the Bidder to up-load other Bid documents (after signing) while up-loading his bid. He is required to up load documents related to his eligibility criteria and qualification information and Bill of Quantities duly filled in. It is assumed that while participating in the bid, the bidder has referred all the drawings and documents. Seeking any revision of rates or backing out of the bid claiming for not having referred to any or all documents provided in the Bid by the Officer Inviting the Bid will be construed as plea to disrupt the bidding process and in such cases the bid security shall be forfeited.

1.12 Any addendum / corrigendum/ cancellation of tender shall be published in the website https://tendersodisha.gov.in , notice board and through paper publication and such notice shall form part of the bidding documents.

1.13 The system generates a mail to those bidders who have already uploaded their tenders and those bidders if they wish can modify their tenders. The bidders are required to which the website till last date and time of bid submission for any addendum/ corrigendum/ cancellation thereof. Tender inviting authority is not responsible for communication failure of system generated mail. All the volumes/documents shall be uploaded / provided in the portal by the Officer inviting the bid. The bidder shall carefully go through the document and prepare the required documents and up load the scanned documents in Portable Document Format to the portal in the designated locations of Technical Bid. He will fill up the rates of items or percentage in the BOQ down loaded for the work in designated Cell and up loads the same in designated locations of Financial Bid. Bidders are to submit only the original BoQ uploaded by publisher after entering the relevant fields without any alteration/deletion/modification. Multiple BoQ submission shall lead to cancellation of bid. In case of item rate tender, bidders shall fill in their rates other than Zero value in the specified cells. In the percentage rate tender, the bidder quoting Zero value is valid and will

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be taken as Schedule of Rates. Submission of document shall be effected by using DSC of appropriate class.

2. PAYMENT OF EMD/ BID SECURITY AND COST OF BID DOCUMENTS:

2.1 Deleted.

2.2 Deleted.

2.3 The tender accepting authority will verify the originals of all the scanned documents of the successful lowest bidder only within 5 days of opening of the tender (price bid). In the eventuality of failure on the part of the lowest successful bidder to procedure the original documents, he will be debarred in future from participating in tender for 3 years and will be black listed by the competent authority. In such as situation, successful L-2 bidder will be required to produce his original documents for consideration of his tender at the negotiated rate equal to L1 bidder.

2.4 Deleted

2.5 Deleted

2.6 The bidder has to sign a Bid security declaration accepting that if the bidder withdraw or modify its bid during the period of validity i.e. not less than 120 (one hundred twenty) days from the bid due date or if the bidder is awarded the contract and fail to sign the contract or to submit a performance security before the deadline defined in the Bid data sheet, the bidder will be suspended for participation in the tendering process for the works of OB&CC Ltd. and works under Government of Odisha for a period of three years from the bid due date of this work. The Bid security declaration shall be submitted as per the format at Section-2 (Format for Bid Security Declaration).

3. FORMAT AND SIGNING OF BID: (Logging to the Portal)-The Contractor/ Bidder is required to type his/her Login ID and Password. The system will again ask to select the DSC and confirm it with the password of DSC as a second stage authentication. For each login, a user's DSC will be validated against its date of validity and also against the Certificate Revocation List (CRL) of respective CAs stored in system database. The system checks the unique Login ID, Password and DSC combination and authenticates the login process for use of portal.

The bidder can download the tender of his choice and save it in his system and undertake the necessary preparatory work off-line and upload the completed tender at his convenience within the final date and time of submission.The bidder shall only submit single copy of the required documents and Price Bid in the portal. In the Financial bid, the bidder can not leave any figure blank. He has to only write the figures, the words will be self generated. The Bidders are advised to up load the completed Bid document well ahead of the last date & time of receipt to avoid any last moment problem of power failures etc.

1.1 The Bidder shall go through the Bid carefully and list the documents those are asked for submission. He shall prepare all documents including Declaration form, price bid etc and store in the system.

1.2 The bidder shall log on to the portal with his DSC and move to the desired tender for up loading the documents in appropriate place one by one simultaneously checking the documents. Once the Bidder makes sure that all the documents have been up-loaded in appropriate place he clicks the submit button to submit the bid to the portal.

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1.3 The bids once submitted can not be retrieved or corrected. Tender cannot be pre-opened and cannot be submitted after due date and time. Therefore only after satisfying that all the documents have been uploaded, the Bidder should activate submit button.

1.4 In the e-procurement process each processes are time stamped. The system can identify each individual who has entered in to the portal for any bid and the time of entering in to the portal.

1.5 The Bidder should ensure clarity of the document up loaded by him to the portal especially the scanned documents by taking out sample printing. Non-submission of legible documents may render the bid non-responsive. However, the Officer inviting the Bid if so desires can ask for legible copies or original copies for verification with in a stipulated period provided such document in no way alters the Bidder's price bid. If the Bidder fails to submit the original documents with in the stipulated date, his bid security shall be forfeited.

4. SUBMISSION OF BIDS:-

4.1 The bidder shall carefully go through the tender and prepare the required documents. The bid shall have a Technical Bid and a Financial Bid. The Technical bid generally consists of GSTIN, PAN, Registration Certificate, Affidavits, Profit Loss statement, ~~Joint venture agreement~~, List of similar nature of works, work in hand , list of machineries and any other information required by OIT. The Financial Bid shall consist of the Bill of Quantities (BOQ) and any other price related information/ undertaking including rebates.

4.2 Bidders are to submit only the original BOQ (in .xls format) uploaded by Procurement Officer Publisher (Officer Inviting Tender) after entering the relevant fields without any alteration/ deletion/ modification. Multiple BOQ submission by bidder shall lead to cancellation of bid. In case of items rate tender , bidders shall fill in their rates other than zero value in the specified cells without keeping it blank. In the percentage rate tender the bidder quoting zero percentage is valid and will be taken at par with the estimated rate of the work put to tender.

4.3 The bidder shall upload the scanned copy/ copies of document in support of eligibility criteria and qualification information in prescribed format in Portable Document Format (PDF) to the portal in the designated locations of Technical Bid.

4.4 The bidder shall write his name in the space provided in the specified location in the Protected Bill of Quantities (BOQ) published by the Officer Inviting Tender. The bidder shall type rates in figure only in the rate column of respective items(s) without any blank cell in the rate column in case of item rate tender and type percentage excess or less up to two decimal place only in case of percentage rate tender.

4.5 The bidder shall log to the portal with his/ her DSC and move to the desired tender for up loading the documents in appropriate place one by one simultaneously checking the documents.

4.6 Bids cannot be submitted after due date and time. The bids once submitted can not be viewed, retrieved or corrected. The Bidder should ensure correctness of the Bid prior to uploading and take print out of the system generated summery of submission to confirm successful uploading of bid. The bids can not be opened even by the OIT or the Procurement Officer Publisher/ opener before the due date and time of opening.

4.7 Each process in the e-procurement is time stamped and the system can defect the time of log in of each user including the Bidder.

4.8 The Bidder should ensure clarity/ legibility of the document uploaded by him to the portal.

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4.9 The system shall require all the mandatory forms and fields filled up by the contractor during the process of submission of the bid/ tender.

4.10 The bidder should check the system generated confirmation statement on the status of the submission.

4.11 The bidder should upload sufficiently ahead of the bid closure time to avoid traffic rush and failure in the network.

4.12 The Tender Inviting Officer is not responsible for any failure, malfunction or breakdown of the electronic system used during the e-procurement process.

4.13 The Bidder is required to upload documents related to his eligibility criteria and qualification information and Bill of Quantity duly filled in. It is not necessary for the part of the bidder to upload the drawing and the other Bid documents (after signing) while uploading his bid. It is assumed that the bidder has refered all the drawings and documents uploaded by the Officer Inviting the Bid.

4.14 The Bidder will not be able to submit his bid after expiry of the date and time of submission of bid (server time). The date and time of bid submission shall remain unaltered even if the specified date for the submission of bids declared as a holiday for the Officer Inviting the Bid.

4.15 The 'Online bidder' shall digitally sign on all statements documents, certificates uploaded by him, owning responsibility for their correctness/ authenticity as per IT ACT 2000. If any of the information furnished bythe bidder is found to be false/ fabricated/ bogus, his EMD/BID Security shall stand forfeited and his registration in the portal shall be blocked and the bidder is liable to be blacklisted.

5. SECURITY OF BID SUBMISSION:

1.1 All bid data uploaded by the Bidder to the portal will be encrypted by the DSC of the opener(s). The system shall require all the mandatory forms and fields filled up by the contractor during the process of submission of the bid/tender.

1.2 The Bid shall be received in encrypted format by the system which can only be decrypted / opened by the authorized openers only on or after the due date and time.

6. DEADLINE FOR SUBMISSION OF THE BIDS :

6.1 The online bidding will remain active till the last date and time of the bid submission. Once the date and time (Server date and time) is over, the bidder will not be able to submit the bid. The date & time of bid submission shall remain unaltered even if the specified date for the submission of bids declared as a holiday for the Officer inviting the Bid.

7. RESUBMISSION AND WITHDRAWAL OF BIDS :

7.1 Resubmission of bid by the Bidders for any number of times before the final date and time of submission is allowed.

7.2 Resubmission of bid shall require uploading of all documents including price bid afresh.

7.3 If the bidder fails to submit his modified bids within the pre-defined time of receipt, the system shall consider only the last bid submitted.

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8. LATE BIDS :

8.1 The system shall reject submission of any bid through portal after closure of the receipt time. For all purpose the server time displayed in the e-procurement portal shall be the time to be followed by the bidder and concerned officers.

9. MODIFICATION AND WITHDRAWAL OF BIDS :

9.1 In the E-Procurement Portal, it is allowed to modify the bid any number of times before the final date and time of submission. The bidder shall have to log on to the system and resubmit the documents as asked for by the system including the price bid. In doing so, the bids already submitted by the bidder will be removed automatically from the system and the latest bid only will be admitted. But the bidder should avoid modification of bid at the last moment to avoid system failure or malfunction of internet or traffic jam or power failure. If the bidder fails to submit his modified bids with in the designated time of receipt, the bid already in the system shall be taken for evaluation.

9.2 In the E-Procurement Portal, withdrawal of bid is allowed. But in such case he has to write a letter with appropriate reasons for his withdrawal addressed to the Officer inviting the bid and up load the scanned document to portal in the respective bid before the closure date and time of receipt of the bid. The system shall not allow any withdrawal after expiry of the closure time of the bid.

10. OPENING OF THE BID:

10.1 Bid opening date is specified during tender creation or can be extended with corrigendum. This date is available in IFB, tender document as well as the home page of portal. Bid opening can be done by the authorized users which are defined during the tender publication / approval stage. The bids are encrypted using there public keys and can be decrypted only on or after the Bid Opening due date and time. The bid openers private key will be required to open the bids and all the openers have to log on to the portal during that time.

10.1.1 The bidders who participated in the on line bidding can witness opening of the bid from any system logging on to the portal with the DSC away from opening place. Contractors are not required to be present during the bid opening at the opening location if they so desire.

10.1.2 Each activity is date and time stamped with user details. For time stamping, server time is taken as the reference.

10.2 In the event of the specified date of bid opening being declared a holiday for the Officer inviting the Bid/Engineer-in-Charge, the bids will be opened at the appointed time on the next working day.

10.3 In case bids are invited for more than one package, the order for opening of the "Bid" shall be that in which they appear in the "Invitation for Bid".

10.4 The Bid openers; who have been pre-defined shall log on to the portal with their respective DSC. Unless all the Officers who have been declared as Opening officers, log on the portal with their DSC the Tender cannot be opened.

10.5 In case of non-responsive tender the officer Inviting tender should complete the e-Procurement process by uploading the official letter for cancellation/ re-tender.

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11. EVALUATION OF BIDS:-

11.1 All the opened bids shall be downloaded and printed for taking up evaluation. The officer authorized to open the tender shall sign and number on each page of the documents downloaded and furnish a certificate that "the documents as available in the portal containing..... nos. of pages".

11.2 After opening of technical bid, the bidder may be asked in writing / online (in their registered e-mail ID) to clarify on the uploaded documents provided in the Technical Bid, if necessary, with respect to any doubts or illegible documents required for Technical Evaluation. The Officer Inviting Tender may ask for any other document of historical nature during Technical Evaluation of the tender. Provided in all such cases, furnishing of any document in no way alters the bidders price bid. Non submission of legible documents may render the bid non-responsive. The authority inviting bid may reserve the right to accept any additional document.

11.3 The bidders will respond in not more than 7 days of issue of the clarification letter, failing which the bid of the bidder will be evaluated on its own merit

11.4 Immediately, on receipt of these clarifications, the Evaluating Officers; predefined in the system for the bid, will finalize the list of responsive bidders. They will log on to the site with their DSC and record their comments on the Technical evaluation page in the system. The Officer Inviting the Bid if also the accepting authority, shall log on to the system with his digital signature and check the technical evaluation. He can either accept or pass on to the evaluating officers for re-evaluation. Upon acceptance of technical evaluation by the Accepting authority in the system, the system shall automatically generate letter to all the responsive bidders and the system shall forward the letter to all the responsive bidder that their technical bid has been evaluated responsive with respect to the data/information furnished by him and the letter shall also intimate him the date & time of opening of financial bid. The system shall also inform the non-responsive bidders in their e-mail ID that their bid has been found non-responsive.

11.5 The Technical evaluation of all the bids shall be carried out up as per the information furnished by the Bidders. But evaluation of the bid does not exonerate the bidders from checking their original documents and if at a later date the bidder is found to have misled the evaluation through wrong information, action as per relevant clause of DTCN shall be taken against the bidder/contractor.

11.6 The Procurement officer-Evaluators will evaluate bid and finalized list of responsive bidders.

11.7 Opening of price bid and evaluation of lowest bidder is subject to satisfaction of other qualification information.

11.8 The financial bids of the technically responsive bidders shall be opened on the due date of opening. The Procurement Officer-Openers shall log on to the system in sequence and open the financial bids.

11.9 The Financial Bid will be opened on the notified date & time in the presence of bidders or their authorised representative who wish to be present.

11.10 At the time of opening of "Financial Bid", the names of the bidders whose technical bids were found responsive will be announced and the bids of only those bidders will be opened. The remaining bids will be rejected.

11.11 The responsive bidders' name, the bid prices, the item wise rates, the total amount of each

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item in case the item rate tender and percentage above or less in case of percentage rate tenders will be announced. any discounts and withdrawals, and such other details as the officer inviting the tender may consider appropriate, will be announced by him or his authorized representatives at the time of opening.

11.12 Rebate/discount offer if any uploaded to the system shall be declared and recorded first.

11.13 The Financial bid of the bidders shall be opened one by one by the designated officers. The system shall auto-generate the Comparative statement.

11.14 The Bidder can witness the principal activities and view the documents/summary reports for that particular work by logging on to the portal with his DSC from anywhere.

11.15 Procurement Officer-Openers shall sign on each page of the download BOQ and the Comparative Statement and furnish a certificate to that respect.

11.16 System provides an option to Procurement Officer Publisher for reconsidering the rejected bid with the approval of concern Chief Engineer/ Head of Department.

12. CLARIFICATION AND NEGOTIATION OF BIDS:

12.1 For examination, evaluation, and comparison of bids, the officer inviting the bid may, at his discretion, ask the lowest bidder for clarification of his rates including reduction of rate on negotiation and breakdowns of unit rates.

12.2 On opening of the price bid the system shall arrange the financial bids in order of their value (L1 first, followed by L2, L3 ....) for subsequent evaluation. The evaluation status (Sheet) will be visible to all the participating bidders after opening on their respective logins. Each activity is recorded in the system with date and time stamping.

13. NOTIFICATION OF AWARD AND SIGNING OF AGREEMENT:

13.1 In the E-Procurement Portal, the system shall generate the template of award letter and the Officer Inviting the Bid shall mention the amount of Performance Security and additional security required to be furnished in the letter and intimate the bidders in his e-mail ID.

13.2 The Employer/ Engineer-in-Charge shall notify acceptance of the work prior to expiry of the validity period by cable, telex or facsimile or e-mail confirmed by registered letter. This letter of Acceptance will state the sum that the Engineer-in-Charge will pay the contractor in consideration of execution and completion of the works by the contractor as prescribed by the contract and the amount of performance security and Additional Performance Security required to be furnished. The issue of the letter of Acceptance shall be treated as closure of the Bid process and commencement of the contract.

13.3 The Contractor after furnishing the required acceptable Performance Security and Additional Performance Security, " Letter of Proceed" or "Work Order" shall be issued by the Engineer-in-Charge with copy thereof to the Procurement Officer-Publisher. The Procurement Officer-Publisher shall up load the summery and declare the process as complete.

13.4 If the L1 bidder does not turn up for agreement after finalisation of the tender then he shall be debarred from participation in bidding for three years and action will be taken to blacklist the contractor. Besides the consortium/ JV/firm where such an agency/ firm already happens to be or is going to be a partner/ member/ proprietor , he/ they shall neither be allowed for

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participation in bidding for three years nor his/ their application will be considered for registration and action wll be initiated to blacklist him/ them. In that case, the L2 bidder, if fulfils other required criteria would be called for drawing agreement for execution of work subject to condition that the L2 bidder negotiates at par with the quoted by the L1 bidder, otherwise the tender will be cancelled.

14. BLOCKING OF PORTAL REGISTRATION

14.1 If the registration Certificate of the contractor is cancelled/ suspended by the registering authority/ blacklisted by the competent authority his portal registration shall be blocked automatically on receipt of information to that effect.

14.2 The portal registration blocked in the ground mentioned in the above Para- 11.1 shall be unblocked automatically in receipt of revocation order of cancellation/ suspension/ blacklisting from the concerned authority.

14.3 The Officer Inviting Tender shall make due inquiry and issue show cause notice to the concerned contractor who in turn shall furnish his reply, if any, within a fortnight from the date of issue of show cause notice. Thereafter the Officer Inviting Tender is required to issue an intimation to the defaulting bidder about his unsatisfactory reply and recommend to the Chief Manager (Tech) for blocking of portal registration within 10 days of intimation to the defaulting bidder regarding his unsatisfactory reply with intimation to the Registering Authority and concerned Chief Engineer/ Heads of Office if any of the following provisions are violated.

14.4 Fails to furnish original Technical Documents before the designated officer within the stipulated date and time.

14.5 Backs out from the bid on any day after the last date of receipt of tender till expiry of the bid validity period (including till the extended bid validity period)

14.6 Fails to execute the agreement within the stipulated date.

14.7 If any of the information furnished by the bidder is found to be false/ fabricated/ bogus.

14.8 Accordingly the officer Inviting Tender shall recommended to the Chief Manager (Tech) State Procurement Cell, Odisha for blocking of portal registration of bidder and simultaneously action shall also be initiated by OFFICER INVITING TENDER for blacklisting as per Appendix-XXXIV of OPWD code Volume-II.

14.9 The minimum period of blocking of Portal Registration shall in no case be less than 180 days.

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ANNEXURE-II to ITB

1. CRITERIA FOR EVALUATION OF THE BIDDER FOR TECHNICAL PRESENTATION

Presentation will be for 30 minutes inclusive of Questions and Answer session.The bidder will be required to give presentations in form of Methodology for Restoration & Rehablitation of project components envisaged by him as per the scope of the work.

Sl.No	Parameters	Maximum Marks
1	Case Studies	40
2	**Planning:** Overall Planning should take into consideration the following a. Repair & Renovation work b. Use of Technology c. Use of Material	40
3	Approach & Methodology	20

1.1 The Bidder shall score minimum 70% marks in each category of the above table and 80% in total to qualify for financial proposal opening.

1.2 The results of evaluation of the technical bid and technical presentation shall be published in the e-procurement portal.

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ANNEXURE-III TO ITB

DESIGN BASIS REPORT (DBR)

(DELETED)

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BID DATA SHEET

Clause No.	Item	Description / Clarification
		A. GENERAL INSTRUCTIONS
1.1	Scope of Bid	Employer: **The Managing Director, Odisha Bridge & Construction Corporation Ltd, State of Odisha** Address: Vikash Bhavan, Nayapalli, Bhubaneswar-751012 Phone No. 0674-239-4093/6309/0043 Fax: 0674-2396326 Email: mdobcc@gmail.com; obcc-owd@gov.in Official website : https://tendersodisha.gov.in
1.1	Scope of Bid	The Works: *"Special repair (Structural) to the Dhauli Shanti Stupa for the year 2021-22 on Turnkey basis"*
2	Source of Funds	The expenditure on this project shall be met from fund allocated by Collector, Khordha., Government of Odisha.
3.1	Eligible Bidders	Only Indian firms *[It is meant for the Indian Firm having reputation in the specific area of operation for which tender is being invited]* are allowed to apply for this Project.
4.2 (b)	Qualification of the Bidder	Financial Construction Turnover from construction works shall only be considered , as mentioned in Cl. 4.4. A (a) of Bid Data
4.2 (c)	Qualification of the Bidder	Experience of successful completion of works / substantial completion of works (*90% of the value of the contract to be considered as substantial completion*) as referred in Bid Data Sheet Cl. 4.4.A(b). ***Similar Works shall mean a "restoration and Waterproofing of any structures."*** The bidder must furnish the list of such works in the proforma stated in Cl. 1.3.1. in Section 2 (Qualification Information).
4.2 (j)	Sub-Contracting	Sub-contracting is not allowed
4.2 (k)	Methodology and Programme	Bidder shall provide these details in the Cover - III as mentioned in Cl.12.1 of this Section-I.
4.3	Bids from Joint ventures	Bids from Joint ventures / Consortiums / Association of Parties are not acceptable.

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4.4. A (a)	Minimum Annual Financial Construction Turnover	i. Shall have an annual minimum turnover of **Rs. 1.20 Crores** *in Construction works* certified by chartered accountant during any year in the last five financial years ending 31.03.2021. { *Please note that stand-alone financial figures of the Applicant only shall be considered for evaluation* } Financial turnover of previous financial years shall be given weightage of 10% (ten percent) per year based on rupee value to bring them to the price level up to the year of bid invitation.[4] ii. Should have valid PAN and GSTIN
4.4. A (b)	**Experience in similar project* works**	Experience of successful completion of Work: (a) Satisfying any one of the following criteria for ***Similar Works***[5] during last 5 years ending 31.03.2021. Cost of completed works of previous financial years shall be given weightage of 10% (ten percent) per year based on rupee value to bring them to the price level up to the year of bid invitation.[6] **One Similar Work of Rs. 50 lakhs; or** **Two Similar Works of Rs. 30 lakhs each; or** **Three Similar Works of Rs. 20 lakhs each** *Please note that:-* *(i) Experience of holding companies, associate companies, subsidiaries, and sister concerns shall not be considered for evaluation.* *(ii) All work orders / completion certificates submitted should be in the name of the Applicant (or Sub-*

[4] Bid invitation year 2021-22, Updation Factors:

Year Before	*Updation factor*
One	1.10
Two	1.21
Three	1.33
Four	1.46
Five	1.61

[5] *Similar Works shall mean a "restoration and Waterproofing of any structures."..*

[6] Bid invitation year 2021-22, Updation Factors:

Year Before	*Updation factor*
One	1.10
Two	1.21
Three	1.33
Four	1.46
Five	1.61

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		contractor) as allowed as per the provisions of this IFB) *(iii) For private sector projects, completion certificate with TDS shall be submitted.*
4.4. A (c)	Minimum Quantities	Not Applicable
4.4 A (d)	Construction, Planning and Methodology	Bidder shall provide these details in the Cover - III as mentioned in Cl.12.1 of this Section-I.
4.4B. (a)	Equipment	DELETED
4.4. B. (a)	Non-Availability of Equipment	Not Applicable
4.4. B. (c)	Liquid Assets	Not Applicable
4.5	Sub-contractors' experience and resources:	Not Applicable.
4.6	Bid Invitation Year	2021-22
4.6	Period of Project	05 Months [N = 0.41 Years]
		B. BIDDING DOCUMENTS
9.2	Pre-Bid Meeting	No Pre-bid meeting shall be held. The bidder shall make the queries through email till 5:00 PM on 11.10.2021. Responses to the queries, including the text of the questions raised (without disclosing the source of enquiry) will be uploaded in the official website. Any modification of the bidding documents listed in Sub-Clause 8.1 which may become necessary as a result of the pre-bid queries shall be made by the Employer exclusively through the issue of an Addendum/ Corrigendum pursuant to Clause 10. Clarifications to the above will be uploaded on the tender portal of

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		govt of Odisha https://tendersodisha.gov.in
10.2	Amendment of Bidding Documents	Any addendum / corrigendum/ cancellation of tender shall be published in the website https://tendersodisha.gov.in only and such notice shall form part of the bidding documents. [7]
10.3	Amendment of Bidding Documents	Employer shall extend as necessary the deadline for submission of bids by a suitable time period
10.4	Amendment of Bidding Documents	Addendum/ corrigendum shall also be available in the Official website.
		C. PREPARATION OF BIDS
12.1	Documents Comprising the Bid	In addition to online submission of Cover-I and Cover-II, the bidder shall also submit online the soft copies (pdf format) of Cover III & Cover IV **Cover-IV:** The Bidder shall furnish the following documents in a sealed Cover superscribed - **"Bid Security Declaration And Bid Processing Fee document"**. i. Original Bid i. Original Bid Security Declaration form duly filled in and (as mentioned in Clause 16.) ii. Non-refundable Bid Processing Fee remitted through online mode
13.2	Bid Price	Replace the contents of the Clause with the following. ***The bidder shall fill the total bid price in figures online as Lump Sum Price.*** The total bid price shall be excluding GST on Works Contract. GST on Works Contract shall be paid by the Employer extra as applicable.
15.1	Bid Validity	Bids shall remain valid for a period of **120 days** after the due date for bid submission
16.1	Bid Security	The paragraph is replaced with the following: The bidder has to sign a Bid security declaration accepting that if the bidder withdraw or modify its bid during the period of validity i. e. not less than 120 (one hundred twenty) days from the bid due date or if the bidder is awarded the contract and fail to sign the contract or to submit a performance security before the deadline defined in the Bid

[7] *The above provisions of Amendment of Bidding Documents supercede the provisions of Cl. No.1.8, Annexure-I to ITB.*

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		data , the bidder will be suspended for participation in the tendering process for the works of OB&CC Ltd and works under Government of Odisha for a period of three year from the bid due date of this work. The Bid securitydeclaration shall be submitted as per the format at section-2 (Format for Bid Security Declaration). **<u>Bid Processing Fee:</u>**
		The Bidder shall furnish a non-refundable Bid Processing Fee amounting to **Rs.11,200/-** (amount inclusive of GST) in shape of Demand Draft drawn / onine in favour of the Managing Director, OB & CC Ltd, Payable at Bhubaneswar as per e-procurement portal of Govt. of Odisha
18.2 18.3	Format and Signing of Bid	Deleted as submission of bids is through online using DSC
		D. SUBMISSION OF BIDS
19	Sealing and Marking of Bids	In addition to online submission of Cover-I and Cover-II, the bidder shall also submit online the soft copies (pdf format) of the documents to be furnished in Cover –III & IV(both online and offline) Cover-IV: (both online and offline) The Bidder shall furnish the following documents in a sealed Cover superscribed : as Bid security declaration and Bid processing fee document. (i) Original Bid Security Declaration form duly filled in and (as mentioned in Clause 16.) (ii) Non-refundable Bid Processing Fee remitted through online mode The hard copies of Cover-III & IV shall be addressed to the Employer in the address provided in the Clause-1.1 of the ITB, bear the name and identification number provided in of IFB and superscripted "COVER-……..(NOT TO BE OPENED BEFORE …:…Hours[TIME] on …./…/….. [DATE])".
20.1	Bid Submission	In addition to online submission of Cover-I and Cover-II, the bidder shall also submit online the soft copies (pdf format) of the documents to be furnished in Cover –III. Time and date of online submission is on or before 4:00 PM on 29.10.2021. For Cover-III &IV, time and date of offline submission is on or before 11.00AM of 30.10.2021 in the office of the Employer. The sealed covers (Cover-III &IV) sent through post / courier /in person, must physically reach the Employer by the stipulated date and time. *The Employer shall bear no liability for any delay or loss*

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		or damage of the above documents during transit and in such event the bid shall stand rejected summarily and no request in any form from any Bidder shall be entertained on this ground.
		E. BID OPENING & EVALUATION
23.1	Bid Opening	All the bids received shall be opened in the Office of the Managing Director, Odisha Bridge & Construction Corporation Ltd, Vikash Bhawan, Nayapalli, Bhubaneswar-751012 on 29.10.2021 at 5:00 PM.
26.1 (b)	Bid Security and Bid Processing Fee	Read the Sub-Clause as: (b) Is accompanied by the required bid processing fee & bid securities and;
26.1 (c)	Substantial Responsiveness (Technical Evaluation)	Read the Sub-Clause as: (c) Is substantially responsive to the requirements of the bidding documents and qualified in the evaluation procedure set-forth in Annexure – II to ITB. (Eligibility and Technical Presentation) If there is a discrepancy between the information provided in the soft copy submitted in online mode and the hard copies submitted by the Bidder relating to Cover -I and II, the information provided in online mode shall prevail and the bidders qualification shall be evaluated accordingly.
26.1 (e)	Financial Evaluation (Negotiation)	Read the Sub-Clause as: (e) The "Financial Bids" of the responsive bidders shall be opened online. During detail evaluation of the "Financial Bid" of the lowest evaluated bidder, the responsiveness of the bid will be further examined and if required, the bidder shall be asked to clarify its offer through further negotiation.
		F. AWARD OF CONTRACT
31.3	Notification of Award & Signing of Agreement	The following is added below the paragraph: The Bidder shall submit a detail resource based work program using standard software (Primavera/MS Projects) and a 'S' Curve showing monthly cash flow forecast for the Works, within 14 days of issue of the Letter of Acceptance of tender which shall form part of the contract. The Project Completion Schedule must contain the Project Mile Stones mentioned in Cl. 45.1 of Contract Data.
32.1	Performance	The Bidder shall furnish, Performance Security for this particular work in the form of Bank Guarantee from any Public Sector Bank of India, **Payable by its branch at Bhubaneswar** in favour of the

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	Security	Managing Director, OB & CC Ltd, Payable at Bhubaneswar. Being a Turn-Key Assignment, no additional Performance Security shall be required to be deposited by the selected bidder. Refer Letter no. 32921 dated 11.12.2020 of Finance Department, Government of Odisha for list of approved banks.
33	Advance Payment and Security	The paragraph is replaced as under: The Employer shall make advance payment to the Contractor of the amounts stated in the Contract Data by the date stated in the Contract Data, against provision by the Contractor of an Unconditional Bank Guarantee in a form and by a Bank acceptable to the Employer in amounts and currencies equal to 110 (hundred ten) % the advance payment. The advance shall carry 10% (Ten) interest.

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SECTION 2

FORMS OF BID,

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TABLE OF FORMS:

- CONTRACTOR'S BID
- QUALIFICATION INFORMATION
- BANK CERTIFICATE
- AFFIDAVIT
- BID SECURING DECLARATION
- CV FORMAT
- LETTER OF ACCEPTANCE
- NOTICE TO PROCEED WITH THE WORK
- AGREEMENT FORM

For The Seal Coat
Structural Works (P) Ltd.
Sangram Keshar Das
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

CONTRACTOR'S BID

[This is a mandatory form to be submitted by the bidder on their letter-head, failing which the bid is liable for rejection]

Description of the Works: SPECIAL REPAIR (STRUCTURAL) TO THE DHAULI SHANTI STUPA FOR THE YEAR 2021-22 ON TURNKEY BASIS

To:
The Managing Director,
Odisha Bridge & Construction Corporation Ltd.
Vikas Bhawan, Nayapalli
Bhubaneswar-751012

Gentlemen,

Having examined the bidding documents including addendum/ corrigendum, I / we offer to execute the Works described above in accordance with the conditions of contract, specifications, accepted tendered drawing, and Payment schedule accompanying this Bid for the Contract Price as tendered in our price bid document separately.

This Bid and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any Bid you receive.

We undertake that, in competing for (and if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

We hereby confirm that this Bid complies with the Bid Validity and Bid Security required by the Bidding documents.

We attach herewith our current income-tax clearance certificate.

Yours faithfully,

_____

Authorized Signature:
Name & Title of Signatory:
Name of Bidder :
Address:
Email-id:
Contact No:
Stamp:

For The Seal Coat
Structural Works (P) Ltd.
Sanjoy Kishan Das
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

QUALIFICATION INFORMATION

[This is a mandatory form to be submitted by the bidder on their letter-head, failing which the bid is liable for rejection]

The information to be filled in by the Bidder in the following pages will be used for purposes of qualification as provided for in Clause 4 of the Instructions to Bidders. This information will not be incorporated in the Contract.

1. **Information of the Bidder**

1.1 Constitution or legal status of Bidder *as per ITB Clause 4.2 (a)*
[Attach copy]

Place of registration: _____

Principal place of business: _____

Power of attorney of signatory of Bid
[Attach]

1.2 Financial Turnover of the bidder during the last five financial years duly certified by the registered chartered accountant. (in **Rs. Crores**) *as per ITB Clause 4.2 (b)*

1.3.1 Work performed as prime contractor (in the same name) on project works over the last five financial years. **

Project Name@	Name of the Employer*	Description of work	Contract No.	Value of contract (In Rs. Crores)	Date of issue of work order	Stipulated period of completion	Actual date of completion*	Remarks explaining reasons for delay and work completed
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)

**Attach certificate (s) from the Engineer(s)-in-Charge*

@The item of work for which data is requested should tally with that specified in ITB clause 4.2(c) read with Bid Data Sheet.

*** Immediately preceding the financial year in which bids are received.*

1.4 Information on Bid Capacity (works for which bids have been submitted and works which are yet to be completed) as on the date of this bid.

(A) Existing commitments and on-going works:

Description of Work	Place & State	Contract No. & Date	Name and Address of Employer	Value of Contract (In Rs. Crores)	Stipulated period of completion	Value of works* remaining to be completed (In Rs. Crores)	Anticipated date of completion
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

For The Seal Seal
Structural Works (P) Ltd.
Sangram Keshari Das
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

(B) Works for which bids already submitted:

Description of Work	Place & State	Name and Address of Employer	Estimated value of works (In Rs Crores)	Stipulated period of completion	Date when decision is expected.	Remarks if any
(1)	(2)	(3)	(4)	(5)	(6)	(7)

* *Attach certificate(s) from the Engineer(s)-in-Charge.*

1.5 The following items of Contractor's Equipment are essential for carrying out the Works. The Bidder should list all the information requested below. Refer also to Sub Clause 4.2(d) read with 4.4 (B) of the Instructions to Bidders.

Item of Equipment	Requirement	Availability Proposals		Age/Condition	Remarks (From whom to be purchased
	No.	Nos./Capacity	Owned/Leased/ to be procured		

1.6 Qualifications and experience of key personnel proposed for administration and execution of the Contract. Attach biographical data. Refer also to 4.2(e) read with annexure of instructions to Bidders and Sub Clause 9.1 of the Conditions of Contract.

Position	Name	Qualifications	Years of experience (general)	Years of experience in the proposed position
Project Manager etc.				

1.7 Proposed subcontracts and firms involved. [Refer ITB Clause 4.2 (j)]

Sections of the works	Value of Sub-contract	Sub-contractor (name and address)	Experience in similar work

1.8 Financial reports for the last five financial years: balance sheets, profit and loss statements, auditors' reports (in case of companies/corporation), etc. List them below and attach copies. [Refer ITB Clause 4.2 (f)]

1.9 Evidence of access to financial resources to meet the qualification requirements: cash in hand, lines of credit, etc. List them below and attach copies of support documents *[sample format attached]*. [Refer ITB Clause 4.2 (g)]

1.10. Name, address, and telephone, telex, and fax numbers of the Bidders' Bankers who may provide references if contacted by the Employer. [Refer ITB Clause 4.2 (h)]

1.11 Information on litigation history in which the Bidder is involved. [Refer ITB Clause 4.2 (i)]

Other party(ies)	Employer	Cause of dispute	Amount involved	Remarks showing Present status

For The Seal Coat
Structural Works (P) Ltd.
Sangram Kephori Das
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

1.12 Statement of compliance under the requirements of Sub Clause 3.2 of the instructions to Bidders.

1.13 The Bidder MUST SUBMIT THE DRAWINGS, DESIGN BRIEF REPORT, WORK PROGRAMME & QUALITY PLAN IN COVER-III as necessary for the works [As per the provisions of ITB Clause 4.1, 4.2 (k) and 4.4 A (d)].

1.14 The Bidder shall furnish the Bid Security in shape of Bank Guarantee & Non-refundable Bid Processing Fee in shape of Demand Draft (as mentioned in Clause 16.1) in Cover-IV:

1.15 Affidavit by the bidder duly signed by the Notary Public

Authorized Signature:
Name & Title of Signatory:
Name of Bidder :
Stamp:

For The Seal Coll
Structural Works (P) Ltd.
Sangram Keshari Das
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

BANK CERTIFICATE

[To be issued by bidder's bank on bank's letter-head and submitted by the bidder]

This is to certify that M/s. ..... is a reputed company with a good financial standing.

If the contract for the work, namely ***"[insert name of the work]"*** on turn-key basis involving design and execution of works is awarded to the above firm, we shall be able to provide overdraft/credit facilities to the extent of Rs. ..... to meet their working capital requirements for executing the above contract.

Name of Bank:
Name of Senior Bank Manager:
Address of the Bank:
e-mail id:

For The Seal Coat
Structural Works (P) Ltd.
Sanjoan Keshari Das
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

AFFIDAVIT

[To be submitted by the bidder in a non-judicial stamp paper duly signed by the Notary Public]

1. I, the undersigned, do hereby certify that all the statements made in the required attachments are true and correct.

2. The undersigned also hereby certifies that neither our firm M/s..... ..... have abandoned any work on building in India nor any contract awarded to us by the State of Odisha for such works have been rescinded, during last five years prior to the date of this bid.

3. The undersigned hereby authorize(s) and request(s) any bank, person, firm or corporation to furnish pertinent information deemed necessary and requested by the Department to verify this statement or regarding my (our) competence and general reputation.

4. The undersigned understand and agrees that further qualifying information may be requested and agrees to furnish any such information at the request of the Department/ Project implementing agency.

_____

Authorized Signature:
Name & Title of Signatory:
Name of Bidder :
Stamp:

For The Seal Coat
Structural Works (P) Ltd.
Sangram Keshari Das
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

BID SECURITY DECLARATION

(Refer Clauses -16 of section 1)

[To be submitted by the bidder on a non-judicial stamp paper duly signed by the Notary Public]

I hereby submit a declaration that the bid submitted for ***(Name of works)*** by the undersigned, on behalf of the bidder, ***(Name of the bidder)*** shall not be withdrawn or modified during the period of validity i.e. not less than **120 (one hundred twenty)** days from the bid due date.

I, on behalf of the bidder, ***(Name of the Bidder)*** , also accept the fact that in case the bid is withdrawn or modified during the period of its validity or if we fail to sign the contract in case the work is awarded to us or we fail to submit a performance security before the deadline defined in clause of the ITB , then ***(Name of the bidder)*** will be suspended from participation in the tendering process for the works of OB&CC Ltd and all works under Government of Odisha for a period of three year from the bid due date of this work.

_____

Authorized Signature:
Name & Title of Signatory:
Name of Bidder :
Stamp:

For The Seal Coat
Structural Works (P) Ltd.
Sanjoy Kishor Das
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

BID SECURITY (BANK GUARANTEE)

WHEREAS, _____ [name of Bidder] (hereinafter called "the Bidder") has submitted his Bid dated _____ [date] for the construction of [name of Contract hereinafter called "the Bid"].

KNOW ALL PEOPLE by these presents that We _____ [Name of Bank] of _____ [name of country] having our registered office at (hereinafter called "the Bank") are bound unto _____ [name of Employer] (hereinafter called "the Employer") in the sum of _____ * for which payment well and truly to be made to the said Employer the Bank itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this _____ day of _____ 20.

THE CONDITIONS of this obligation are:

(1) If after Bid opening the Bidder withdraws his bid during the period of Bid validity specified in the Form of Bid;

OR

(2) If the Bidder having been notified to the acceptance of his bid by the Employer during the period of Bid validity:

(a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to Bidders, if required; or

(b) fails or refuses to furnish the Performance Security, in accordance with the Instructions to Bidders; or

We undertake to pay to the Employer up to the above amount upon receipt of his first written demand, without the Employer having to substantiate his demand, provided that in his demand the Employer will note that the amount claimed by him is due to him owing to the occurrence of one or any of the three conditions, specifying the occurred condition or conditions.

(3) This guarantee shall also be operatable at our..... Branch at Bhubaneswar, from whom, confirmation regarding the issue of this guarantee or extension / renewal thereof shall be made available on demand. In the contingency of this guarantee being invoked and payment thereunder claimed, the said branch shall accept such invocation letter and make payment of amounts so demanded under the said invocation.

The guarantor/bank hereby confirms that it is on the SFMS (Structural Finance Messaging System) platform & shall invariably send an advice of this Bank Guarantee to the designated bank of Odisha Bridge & Construction Corporation Ltd – details of which is as under:

Sl No.	Particulars	Details
1	Name of Beneficiary	OB&CC Ltd.
2	Name of Bank	Union Bank of India
3	Account No	127511100001024
4	IFSC Code	UBIN0812757

This Guarantee will remain valid for a period of 45 (Forty five) days beyond the final bid validity period.

DATE _____ **SIGNATURE** _____

WITNESS _____ **SEAL** _____

_____

[Signature, name and address]

* The Bidder should insert the amount of the guarantee in words and figures denominated in Indian Rupees. This figure should be the same as shown in Clause 16.1 of the Instructions to Bidders.

** 45 days after the end of the validity period of the Bid. Date should be inserted by the Employer before the Bidding documents are issued.

For The Seal Coat
Structural Works (P) Ltd.
Sangram Kr Shah Dis
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

CV FORMAT

#	Criteria	Details
1	**Proposed Position**	
2	**Name of Bidder**	
3	**Name of Personnel**	
4	**Date of Birth:**	
5	**Nationality**	
6	**Education:**	

College/University	Institution	Degree obtained	Dates of obtainment

6	**Other Trainings**	Indicate significant training since degrees
7	**Language**	

	Speak	Read	Write
English			
Hindi			
Odiya			
Others			

8	**Employment Record**	

From	To	Organization	Designation

11	**Project Details**	
i	**Name of assignment or project:** **Client** **Project Duration (From – To):**	

For The Seaboat Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.

	Duration of experience in the project (From – To) **Positions held:** **Activities performed**
ii	**Name of assignment or project:** **Client** **Project Duration (From – To):** **Duration of experience in the project (From – To)** **Positions held:** **Activities performed**
iii	**Name of assignment or project:** **Client** **Project Duration (From – To):** **Duration of experience in the project (From – To)** **Positions held:** **Activities performed**
iv	**Name of assignment or project:** **Client** **Project Duration (From – To):** **Duration of experience in the project (From – To)** **Positions held:** **Activities performed**

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

LETTER OF ACCEPTANCE

[To be issued to successful bidder on Letter-head of OBCC]

_____[date]

To: _____[name and address of the Contractor]_____

Dear Sir(s)

This is to notify you that your Bid dated _____ for execution of the work ***"[insert name of the work]"*** on turn key basis involving design and execution of works _____ ***[Name of the contract and identification number, as given in the Instructions to Bidders]*** for the Contract Price of Rupees _____ (_____) [amount in words and figures], as corrected and modified[1] in accordance with the Instructions to Bidders[1] is hereby accepted by our Agency.

We note that as per bid, you do not intend to subcontract any component of work

(Or)

We note that as per bid, you propose to employ _____ as sub-contractor for executing _____

(Delete whichever is not applicable)

You are requested to furnish the detail Work Programme and milestone wise activity as per Para 31.3 of ITB to complete the contract negotiation within 14 days of this Notification of Award. Further, you are hereby requested to furnish Performance Security in the form detailed in Para 32.1 of ITB for an amount of Rs……... within **21** days of the receipt of this letter of acceptance and sign the contract failing which action as stated in Para 31.5 and Para 32.3 of ITB will be taken.

Yours faithfully,

_____

Authorized Signature
Name and Title of Signatory
Name of Agency

[1] Delete "corrected and" or "and modified" if only one of these actions applies. Delete "as corrected and modified in accordance with the Instructions to Bidders" if corrections or modifications have not been effected.

For Tha[illegible]
Structural Works (P) Ltd.
Sanjay Kachi
Manager

Sr. Project Manag
Ekamra Division
O.B. & C.C. Ltd.

NOTICE TO PROCEED WITH THE WORK

[To be issued on Letter-head of OBCC]

_____ (date)

To

_____ (name and address of the Contractor)

_____

_____

Dear Sirs:

Pursuant to your furnishing the requisite security as stipulated in ITB clause 32.1 and signing of the contract agreement for the work ***"[insert name of the work]"*** on turnkey basis involving design and execution of works @ a Bid Price of Rs. _____, you are hereby instructed to proceed with the execution of the said works in accordance with the contract documents.

Yours faithfully,

Authorized Signature
Name and Title of Signatory
Name of Agency

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

AGREEMENT FORM

[To be executed on stamp paper of appropriate value]

Agreement

This agreement, made the _____ day of _____ 2021 between _____ _____ [name and address of Employer] (hereinafter called "the Employer)" of the one part and _____ _____ [name and address of contractor] (hereinafter called "the Contractor") of the other part.

Whereas the Employer is desirous that the Contractor "[insert name of the work], [name and identification number of Contract] (hereinafter called "the Works") and the Employer has accepted the Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein, at a contract price of Rs.....

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying the defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
4. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
   - i) Letter of Acceptance
   - ii) Notice to proceed with the works
   - iii) Contractor's Bid
   - iv) Contract Data
   - v) Conditions of contract (including Special Conditions of Contract)
   - vi) Specifications
   - vii) Drawings
   - viii) Bill of Quantities (Optional)
   - ix) Payment Schedule and
   - x) Any other document listed in the Contract Data as forming part of the contract.

In witness whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

The Common Seal of _____
was hereunto affixed in the presence of:
Signed, Sealed and Delivered by the said _____
_____
_____
in the presence of:
Binding Signature of Employer _____
Binding Signature of Contractor _____

For The Seal Coat
Structural Works (P) Ltd.
Sanjoom Keshri Dey
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

SECTION 3:
CONDITIONS OF CONTRACT

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

Conditions of Contract

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For The Seal Coat Structural Works (P) Ltd.
Keshari Das
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

CONDITIONS OF CONTRACT

A. GENERAL

1. Definitions

1.1. Terms, which are defined in the Contract Data and not defined in the Conditions of Contract shall keep their defined meanings. Capital initials are used to identify defined terms.

1.1.1 **Bill of Quantities** means the priced and completed Bill of Quantities;

1.1.2 **Compensation Events** are those defined in Clause 41 hereunder;

1.1.3 The **Completion Date** is the date of completion of the Works as certified by the Engineer in accordance with clause 50;

1.1.4 The **Contract** is the contract between the Employer and the Contractor to execute, complete and maintain the Works. It consists of the documents listed in Clause 2.3 below.

1.1.5 The **Contract Data** defines the documents and other information, which comprise the Contract;

1.1.6 The **Contractor** is a person or corporate body whose Bid to carry out the Works has been accepted by the Employer [obligations of the Contractor mentioned in the Contract Data].;

1.1.7 The **Contractor's Bid** is the completed Bidding document submitted by the Contractor to the Employer and includes Technical and Financial bids;

1.1.8 The **Contract Price** is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract;

1.1.9 **Days** are calendar days; months are calendar months;

1.1.10 A **Defect** is any part of the Works not completed in accordance with the Contract;

1.1.11 The **Defects Liability Period** is the period named in the Contract Data and calculated from the Completion Date;

1.1.12 The **Employer** is the party who will employ the Contractor to carry out the Works; [As mentioned in the Contract Data].

1.1.13 **The Engineer** is the person named in the Contract Data (or any other competent person appointed and notified to the contractor to act in replacement of the Engineer) who is responsible for supervising the Contractor's work, administering the Contract, certifying payments due to the Contractor, issuing and valuing Variations to the Contract, recommending extensions of time, and valuing the Compensation Events;

1.1.14 **Equipment** is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works;

1.1.15 **Initial Contract Price** is the Contract Price listed in the Employer's Letter of Acceptance;

1.1.16 **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised only by the Employer by issuing an extension of time;

For The Seal Coal
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.

1.1.17 **Materials** are all supplies, including consumables, used by the contractor for incorporation in the Works;

1.1.18 **Plant** is any integral part of the Works, which is to have a mechanical, electrical, electronic or chemical or biological function;

1.1.19 The **Site** is the area defined as such in the Contract Data;

1.1.20 **Site Investigation Reports** are those, which were included in the Bidding documents and are factual interpretative reports about the surface and sub-surface conditions at the site;

1.1.21 **Specification** means the Specification of the works included in the Contract and any modification or addition made or approved by the Employer;

1.1.22 The **Start Date / Date of Commencement** is given in. the Contract Data. It is the date when the Contractor shall commence execution of the works. It does not necessarily coincide with any of the Site Possession Dates;

1.1.23 A **Subcontractor** is a person or corporate body who has a Contract with the Contractor to carry out a part of the work in the Contract, which includes work on the Site;

1.1.24 **Temporary Works** are works designed, constructed, installed, and removed by the Contractor, which are needed for construction or installation of the Works;

1.1.25 A **Variation or Change in Scope** is an instruction given by the Employer, which varies and change the scope of Works;

1.1.26 **Works** are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the Contract Data;

1.1.27 Year may be understood as financial year;

1.1.28 **"Approved Make"** means makes of items as specified in the "List of Approved Makes" in Section 8 of this RFP. However, a higher of equivalent make can be utilized after obtaining prior approval of "Engineer-In-Charge" in writing.

2. Interpretation

2.1. In interpreting the Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their general meaning under the language of the Contract unless specifically defined. The Employer will provide instructions clarifying queries about the Conditions of Contract.

2.2 If sectional completion is specified in the Contract Data, references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date apply to any Section of the Works (other than references to the Completion Date and Intended Completion date for the whole of the Works).

2.3 The documents forming the Contract shall be interpreted in the following order of priority:

(a) Agreement

(b) Letter of Acceptance, notice to proceed with the works

(c) Contractor's Bid

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

(d) Contract Data

(e) Conditions of Contract including Special Conditions of Contract

(f) Specifications

(g) Drawings

(h) Bill of quantities (optional) and

(i) Any other document listed in the Contract Data as forming part of the Contract.

3. Languages and Law

The language of the Contract and the law governing the Contract are stated in the Contract Data.

4. Engineer's Decisions:

Except where otherwise specifically stated, the Engineer will decide contractual matters between the Employer and the Contractor in the role representing the Employer as per the provision of the contract.

5. Delegation:

The Engineer may delegate any of his duties and responsibilities to other people after notifying the Contractor and may cancel any delegation after notifying the Contractor.

6. Communications:

Communications between parties which are referred to in the conditions are effective only when in writing. A notice shall be effective only when it is delivered (in terms of Indian Contract Act).

7. Sub-contracting:

The Contractor may sub-contract any portion of work, up to a limit specified in Contract Data, with the approval of the Engineer but may not assign the Contract without the approval of the Employer in writing. Sub-contracting does not alter the Contractor's obligations.

8. Other Contractors:

The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Employer between the dates given in the Schedule of other Contractors. The Contractor shall as refer to in the Contract Data, also provide facilities and services for them as described in the Schedule. The employer may modify the schedule of other contractors and shall notify the contractor of any such modification.

9. Personnel:

9.1. The Contractor shall employ the key personnel named in the Schedule of Key Personnel as referred to in the Contract Data besides those as listed at section-8 and Section-9 to carry out the functions stated in the Schedule or other personnel approved by the Engineer. The Engineer will approve any proposed replacement of key personnel only if their

For The Seal Coat
Structural Works (P) Ltd.
Sanjoy Keshari Das
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.

qualifications, abilities, and relevant experience are substantially equal to or better than those of the personnel listed in the Schedule.

9.2. If the Engineer asks the Contractor to remove a person who is a member of the Contractor's staff or his work force stating the reasons the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.

10. Employer's and Contractor's Risks:

The Employer carries the risks which this Contract states are Employer's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.

11. Employer's Risks:

The Employer is responsible for the excepted risks which are in so far as they directly affect the execution of the Works in India, the risks of war, hostilities, invasion, act of foreign enemies, rebellion, revolution, insurrection or military or usurped power, civil war, riot commotion or disorder (unless restricted to the Contractor's employees), and contamination from any nuclear fuel or nuclear waste or radioactive toxic explosive.

12. Contractor's Risks:

All risks of loss of or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks are the responsibility of the Contractor.

13. Insurance:

13.1 The Contractor shall provide, in the joint names of the Employer and the Contractor, insurance cover ***for the period as stated below against the events and*** in the amounts and deductibles stated in the Contract Data for the following events, which are due to the Contractor's risks:

A) From the starting date to the end of defect liability period:

(a) Loss of or damage to the works

B) From the start date till completion of the work as per agreement:

(a) Loss of or damage to plant, materials and equipment,

(b) Loss of or damage of property (except the works, plant, materials and equipment) in connection with the contract, and

(c) Personal injury or death.

13.2 If all the items as listed at Cl.13.1(B) can be combined / grouped under one insurance cover like Contractor's, All Risks (CAR) Policy, then the same is acceptable.

13.3 Prior to seven days before the start date, the Contractor shall furnish to the Engineer notarized true copies of the certificates of insurance, copies of insurance polices and premia payment receipts in respect of such insurance for the Employer's approval. All such insurance shall provide for compensation to be payable in the types and proportions of currencies required to rectify the loss or damage incurred.

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13.4 If the contractor does not provide any of the policies and certificates required, the Employer may affect the insurance which the contractor should have provided and recover the premiums the Employer has paid from payments otherwise due to the contractor or, if no payment is due, the payment of the premiums shall be a debt due.

13.5 Alterations to the terms of insurance shall not be made without the approval of the Employer.

13.6 Both parties shall comply with any conditions of the insurance policies.

14. Site Investigation Reports:

14.1 The Contractor, in preparing the Bid, may rely on any site Investigation Reports referred to in the Contract Data, which are indicative and not exhaustive. The Employer shall provide all available details to the Contractor (Bidder) for his information, if requested by him at least one week prior to the bid submission date. The bidder shall be responsible for interpreting all such data. After award of work, the Contractor shall carryout detail survey and investigation for preparation of detail designs as per the scope of work and time period stipulated at Section-8.

To the extent which was practicable (taking account of cost and time), the Contractor (Bidder) shall be deemed to have obtained all necessary information as to risks, contingencies and other circumstances which may influence or affect the Tender or Works. To the same extent, the Contractor (Bidder) shall be deemed to have inspected and examined the Site, its surroundings, the above data and other available information, and to have been satisfied before submitting the Tender as to all relevant matters, including (without limitation):

(a) the form and nature of the Site, including sub-surface conditions,

(b) the climatic conditions,

(c) the extent and nature of the work and Goods necessary for the execution and completion of the Works and the remedying of any defects,

(d) the Laws, procedures and labour practices of the Country, and

(e) the Contractor's requirements for access, accommodation, facilities, personnel, power, transport, water and other services.

(f) availability of required materials

15. Queries about the Contract Data:

The Employer will clarify queries on the Contract Data if any during the Pre-bid meeting.

16. Contractor to Construct the Works:

The Contractor shall construct and install the Works in accordance with the approved specification and drawings. All designs, drawings and specifications to be furnished by the contractor shall be approved by the Employer before execution in accordance with Cl. 18.

17. The Works to be completed by the Intended Completion Date:

The Contractor may commence execution of the Works on the Start Date and shall carry out the Works in accordance with the programme submitted by the Contractor, as updated with the approval of the Engineer, and complete them by the Intended Completion Date.

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18. Approval by the Engineer:

18.1 The Contractor shall submit Specifications and Drawings showing the proposed Temporary Works to the Engineer, who is to approve them if they comply with the Specifications and Drawings.

18.2 The Contractor shall be responsible for design of Temporary Works.

18.3 The Engineer's approval shall not alter the Contractor's responsibility for design of the Temporary Works.

18.4 The Contractor shall obtain approval to the design, drawings and specifications of all components of the building, except those for the temporary works as stated at Cl. 18.1, from any National Institute of Repute such as Indian Institute of Technology (IIT)/ National Institute of Technology or Equivalent as approved by Employer at its own cost. Such approved documents need to be furnished to the Employer within the stipulated datelines as mentioned in the contract data and at Section-8.

18.5 All Drawings prepared by the Contractor for the execution of the temporary or permanent Works, are subject to prior approval by the Employer / Engineer before their use.

19. Safety:

The Contractor shall be responsible for the safety of all activities on the Site.

20. Discoveries:

Anything of historical or other interest or of significant value unexpectedly discovered on the Site is the property of the Employer. The Contractor is to notify the Engineer of such discoveries and carry out the Engineer's instructions for dealing with them.

21. Possession of the Site:

The Employer shall give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date stated in the Contract Data the Employer is deemed to have delayed the start of the relevant activities and this will be Compensation Event.

22. Access to the Site:

The Contractor shall allow the Employer and any person authorized by the Employer access to the Site, to any place where work in connection with the Contract is being carried out or is intended to be carried out and to any place where materials or plant are being manufactured / fabricated / assembled for the works.

23. Instructions:

23.1 The Contractor shall carry out all instructions of the Engineer pertaining to works, which comply with the applicable laws where the Site is located.

23.2 The Contractor shall permit the Employer to inspect the Contractor's accounts and records relating to the performance of the Contractor and to have them audited by auditors appointed by the Employer, if so required by the Employer.

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24. Disputes:

That for the purpose of jurisdiction in the event of disputes if any of the Contract would be deemed to have been entered in to within the State of Odisha and it is agreed that neither party to the Contract will be competent to bring a suit in regard to the matter by this Contract at any place outside the State of Odisha.

25. Procedure for Settlement of Disputes:

25.1 In case of Dispute or difference arising between the Employer and the contractor relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Arbitration and Conciliation Act, 1996.

25.2 Dispute Resolution: Any dispute, difference or controversy of whatever nature howsoever arising under or out of or in relation to this Agreement (including its interpretation) between the Parties, and so notified in writing by either Party to the other Party (the "Dispute") shall, in the first instance, be attempted to be resolved amicably in accordance with the conciliation procedure set forth in clause 25.4

25.3 The Parties agree to use their best efforts for resolving all Disputes arising under or in respect of this Agreement promptly, equitably and in good faith, and further agree to provide each other with reasonable access during normal business hours to all no privileged records, information and data pertaining to any Dispute.

25.4 Conciliation: In the event of any Dispute between the Parties, either Party may call upon the Authority's Engineer, or such other person as the Parties may mutually agree upon (the "Conciliator") to mediate and assist the Parties in arriving at an amicable settlement thereof. Failing mediation by the Conciliator or without the intervention of the Conciliator, either Party may require such Dispute to be referred to the Chairman of the Authority and the Chairman of the Board of Directors of the Contractor for amicable settlement, and upon such reference, the said persons shall meet no later than 7 (seven) business days from the date of reference to discuss and attempt to amicably resolve the Dispute. If such meeting does not take place within the 30 (thirty) business day period or the Dispute is not amicably settled within 30 (thirty) days of the meeting or the Dispute is not resolved as evidenced by the signing of written terms of settlement within 30 (thirty) days of the notice in writing referred to in Clause 25.2 or such longer period as may be mutually agreed by the Parties, either Party may refer the Dispute to arbitration in accordance with the provisions of Clause 25.4 but before resorting to such arbitration, the parties agree to explore conciliation by the Conciliation Committees of Independent Experts set up by the Authority in accordance with the procedure decided by the panel of such experts and notified by the Authority on its website including its subsequent amendments. In the event of the conciliation proceedings being successful, the parties to the dispute would sign the written settlement agreement and the conciliators would authenticate the same. Such settlement agreement would then be binding on the parties in terms of Section 73 of the Arbitration Act. In case of failure of the conciliation process even at the level of the Conciliation Committee, either party may refer the Dispute to arbitration in accordance with the provisions of Clause 25.4.

25.5 Arbitration:

i. Any dispute which remains unresolved between the parties through the mechanisms available/ prescribed in the Agreement, irrespective of any claim value, which has not been agreed upon/ reached settlement by the parties, will be referred to the Arbitral Tribunal as per the Arbitration and Conciliation Act.

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ii. The Arbitral Tribunal shall make a reasoned award (the "Award"). Any Award made in any arbitration held pursuant to this Article 25 shall be final and binding on the Parties as from the date it is made, and the Contractor and the Authority agree and undertake to carry out such Award without delay.

iii. The Contractor and the Authority agree that an Award may be enforced against the Contractor and/or the Authority, as the case may be, and their respective assets wherever situated.

iv. This Agreement and the rights and obligations of the Parties shall remain in full force and effect, pending the Award in any arbitration proceedings hereunder. Further, the parties unconditionally acknowledge and agree that notwithstanding any dispute between them, each Party shall proceed with the performance of its respective obligations, pending resolution of Dispute in accordance with this Article.

v. In the event the party against whom the Award has been granted challenges the Award for any reason in a court of law, it shall make an interim payment to the other party for an amount equal to 75% of the Award, pending final settlement of the dispute. The aforesaid amount shall be paid forthwith upon furnishing an irrevocable Bank Guarantee for a sum equal to 120% of the aforesaid amount. Upon final settlement of the dispute the aforesaid interim payment shall be adjusted and any balance amount due to be paid or returned, as the case may be, shall be paid or returned with interest calculated at the rate of 10 % per annum from the date of interim payment to the date of final settlement of such balance.

25.6 Adjudication by Regulatory Authority, Tribunal or Commission : In the event of constitution of a statutory regulatory authority, tribunal or commission, as the case may be, with powers to adjudicate upon disputes between the Contractor and the Authority, all Disputes arising after such constitution shall, instead of reference to arbitration under Clause 25.4, be adjudicated upon by such regulatory authority, tribunal or commission in accordance with the Applicable Law and all references to Dispute Resolution Procedure shall be construed accordingly. For the avoidance of doubt, the Parties hereto agree that the adjudication hereunder shall not be final and binding until an appeal against such adjudication has been decided by an appellate tribunal or court of competent jurisdiction, as the case may be, or no such appeal has been preferred within the time specified in the Applicable Law.

26. Replacement of Adjudicator: Not applicable

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B. TIME CONTROL

27. Programme:

27.1 Within **14 days of issue of letter of award**, the successful bidder shall submit to the Employer detail work programme for approval showing the general methods, arrangements, order and timing for all the activities in the Works along with monthly cash flow forecast. The agreed work programme / milestones during such contract negotiation shall form part of the agreement.

27.2 An update of the Programme shall be a programme showing the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining work including any changes to the sequence of the activities.

27.3 The contractor shall submit to the Employer, for approval, an updated Programme at intervals no longer than the period stated in the Contract Data. If the Contractor does not submit an updated Programme with in this period, the Engineer may withhold the amount stated in the Contract Data from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue programme has been submitted.

27.4 The Employer's approval of the Programme shall not alter the Contractor's obligations. The Contractor may revise the Programme and submit it to the Employer again at any time. A revised Programme is to show the effect of Variations and Compensation Events.

27.5 Contractor has to facilitate themselves to update the project reporting in client PMIS portal.

28. Extension of the Intended Completion Date:

28.1 The Employer shall extend the Intended Completion Date if a Compensation Event occurs or a Variation is issued which makes it impossible for Completion to be achieved by the intended Completion Date without the Contractor taking steps to accelerate the remaining work and which would cause the Contractor to incur additional cost.

28.2. The Employer shall decide whether and by how much to extend the Intended Completion Date within 35 days of the Contractor asking the Engineer for a decision upon the effect of a Compensation Event or Variation and submitting full supporting information. If the Contractor has failed to give early warning of a delay or has failed to cooperate in dealing with a delay, the delay by this failure shall not be considered in assessing the new Intended Completion Date.

28.3. The Engineer shall within 14 days of receiving full justification from the contractor for extension of Intended Completion Date refer to the Employer his recommendation. The Employer shall in not more than 21 days communicate to the Engineer the Employer's decision.

29. Delays Ordered by the Engineer:

The Engineer may instruct the Contractor to delay the start or progress of any activity within the Works.

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30. Management Meetings:

30.1 Either the Engineer or the Contractor may require the other to attend a management meeting. The business of a management meeting shall be to review the plans for remaining work and to deal with matters raised in accordance with the early warning procedure.

30.2 The Engineer shall record the business of management meetings and is to provide copies of his record to those attending the meeting and to the Employer. The responsibility of the parties for actions to be taken is to be decided by the Engineer either at the management meeting or after the management meeting and stated in writing to all who attended the meeting.

31. Early Warning:

31.1 The Contractor is to warn the Engineer at the earliest opportunity of specific likely future events or circumstances that may adversely affect the work resulting delay in the execution. The Engineer may require the Contractor to provide an estimate of the expected effect of the future event or circumstance on the Completion Date.

31.2 The Contractor shall cooperate with the Engineer in making and considering proposals for how the effect of such an event or circumstance can be avoided or reduced by anyone involved in the work and in carrying out any resulting instruction of the Engineer.

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C. QUALITY CONTROL

32. Identifying Defects:

The Engineer shall check the Contractor's work regularly and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities. The Engineer may instruct the Contractor to search for defects and to uncover and test any work that the Engineer considers may have a Defect

33. Tests:

If the Engineer instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no Defect the test shall be a Compensation Event.

34. Correction of Defects:

34.1 The Engineer shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion and is defined in the Contract Data. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.

34.2 Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Engineer's notice.

35. Uncorrected Defects:

If the Contractor has not corrected a Defect within the time specified in the Engineer's notice, the Engineer will assess the cost of having the Defect corrected, and the Contractor will pay this amount.

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D. COST CONTROL

36. Changes in the Quantities: (OPTIONAL)

37. Change of Scope (Variations) and Procedure for change of Scope:

37.1 The Employer may, require the Contractor to make modifications/alterations to the construction works before the issue of the completion certificate either by giving an instruction or by requesting the contractor to submit a proposal for change of scope involving additional cost or reduction in cost. Any such change of scope shall be made and valued in accordance with the provisions of this contract and the contractor, in that event, will have no further claim on the ground that had it been known / disclosed earlier he would have made such charges in other connected work in their design, construction which would have saved him some cost and given him other consequential benefits.

37.2 Change in scope may include;

(a) Change in specifications of any item of works

(b) omission/ deletion of any item of work from the scope of work

(c) any additional work (such as addition of extra plinth area) which are not included in the scope of work including any additional test on completion

37.3 In the event of the Employer determining that a change of scope is necessary, it shall issue notice to the contractor a notice specifying in reasonable detail the works contemplated there under ("Change in scope notice")

37.4 Upon receipt of change in scope notice, the contractor shall with due diligence, provide to the Employer through the Engineer within seven days time such information as is necessary together with documentation in support of;

(a) the impact, of any, which the change in scope is likely to have on the completion of the work

(b) the options for implementing the proposed change of scope and the effect, if any, each on the cost and time thereof m including the following details;

i. break down of quantities, unit rates and cost for different items of work

ii. proposed design for the change of scope

iii. proposed modifications, if any, to the construction period with updated work programmes (all Variations shall be included in updated programmes produced by the Contractor).

37.5 The contractor's quotation for change of scope shall be based on the detail design and rates for various item of works as derived on the basis of his original bid price (in case of repetition of similar item as per original contract) or MoRTH Standard Data Book and prevailing market rates (in case of new item not envisaged in the original contract.)

37.6 The total value of all change of scope of work shall not exceed 5% of total contract price for the construction work.

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38. Payments for Change of Scope (Variations):

38.1 The Employer shall assess the change in scope proposal and Contractor's quotation and upon reaching an agreement; the Employer shall issue the Change of Scope Order requiring the contractor to proceed with the performance thereof.

38.2 If the Contractor's quotation is unreasonable, the Employer may order the Variation and make a change to the Contract Price which shall be based on Employer's own forecast of the effects of the Variation on the Contractor's costs.

38.3 If the Employer decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, no quotation shall be given and the Variation shall be treated as a Compensation Event, subject to condition that such variation shall not exceed 5% of the total contract price for the contract work.

38.4 The Contractor shall not be entitled to additional payment for costs, which could have been avoided by giving early warning.

39. Payment Certificates:

39.1 The Contractor shall submit to the Engineer statements of the value of the work completed.

39.2 The Engineer shall check the Contractor's statement within 14 days and certify the amount to be paid to the Contractor as per contract payment schedule after taking into account any credit or - debit for the month in question in respect of materials for the works in the relevant amounts and under conditions set forth in sub-clause 47.3 of the Contract Data (Secured Advance).

39.3 The value of work executed shall be determined by the Engineer.

39.4 The value of work executed shall comprise the value of the quantities of the items as per the milestone and work programme attached to the contract.

39.5 The value of work executed shall include the valuation of Change in Scope (Variation) and Compensation Events, if any.

39.6 The Engineer may exclude any item certified in a previous certificate or reduce the proportion of any item previously certified in any certificate in the light of later information.

40. Payments:

Payments shall be adjusted for deductions for retention, other recoveries in terms of the contract and taxes at source, as applicable under the law. The Engineer shall pay the Contractor the amounts as per the payment schedule attached to the contract.

41. Compensation Events:

41.1.1 The following are Compensation Events unless they are caused by the Contractor:

(a) The Employer does not give access to a part of the Site by the Site Possession Date stated in the Contract Data.

(b) Other contractors, public authorities of utilities or the Employer does not work within the dates and other constraints stated in the Contract, and they cause delay and extra cost to the Contractor.

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41.2 If a Compensation Event would prevent the work being completed before the Intended Completion Date, the Intended Completion Date shall be extended. The Contractor will react competently and promptly to the event and shall submit information demonstrating the effect of the Compensation Event and the required extended time period for completion.

41.3 The Engineer shall examine the information furnished by the Contractor and shall recommend to the Employer by how much time the Intended Completion Date shall be extended. The Employer shall decide / sanction the required extension of time due to such compensation event.

41.4 The Contractor shall not be entitled to compensation to the extent that the Employer's interests are adversely affected by the Contractor not having given early warning or not having cooperated with the Engineer.

42. Tax:

The rates quoted by the Contractor shall be deemed to be inclusive the GST, Royalty, Income Tax, Labour CESS and all other statutory taxes that the Contractor will have to pay for the performance of this Contract. The Employer will perform such duties in regard to the deduction of such taxes at source as per applicable law.

43. Currencies:

All payments shall be made-in Indian Rupees.

44. Retention:

44.1 The Employer shall retain from each payment due to the Contractor the proportion stated in the Contract Data until Completion of the whole of the works or settlement of final payment.

44.2 On completion of the whole of the works half the total amount retained is repaid to the contractor and half when the Defects Liability Period has passed and the Engineer has certified that all defects notified by the Engineer to the contractor before the end of the period have been corrected.

45. Liquidated Damages:

45.1 The Contractor shall pay liquidated damages to the Employer at the rate per week stated in the Contract Data for each week that the Completion Date is later than the Intended Completion Date (for the whole of the works or the milestone as stated in the contract data). The total amount of liquidated damages shall not exceed the amount defined in the Contract Data. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages shall not relieve the contractor from his / her / their obligation to complete the works or from any other duties, obligations or responsibilities which he / she / they may have under the contract.

45.2 If the Intended Completion Date is extended after liquidated damages have been paid, the Engineer shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment certificate.

45.3 If the contractor fails to comply with the time for completion as stipulated in the tender, then the contractor shall pay to the employer the relevant sum stated in the Contract Data as Liquidated damages for such default and not as penalty for every week or part of week which shall elapse between relevant time for completion and the date stated in the taking over

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certificate of the whole of the works on the relevant section, subject to the limit stated in the contract data.

The employer may, without prejudice to any other method *of* recovery deduct the amount of such damages from any money due or to become due to the contractor. The payment or deduction of such damages shall not relieve the contractor from his obligation to complete the works or from any other of his obligations and liabilities under the contract.

45.4 If, before the Time for Completion of the whole of the Works or, if applicable, any Section, a Taking - Over Certificate has been issued for any part of the Works or of a Section, the liquidated damages for delay in completion of the remainder of the Works or of that Section shall, for any period of delay after the date stated in such Taking-Over Certificate, and in the absence of alternative provisions in the Contract, be reduced in the proportion which the value of the part so certified bears to the value of the whole of the Works or Section, as applicable. The provisions of this Sub-Clause shall only apply to the rate of liquidated damages and shall not affect the limit thereof.

46. Bonus Payment:

46.1 The procedure for payment of bonus (incentive) shall be as per the latest amendment to Para 3.5.5 of OPWD code.

46.2 If the contractor achieves completion of the whole of the works prior to the Intended Completion Date prescribed in Contract Data the Employer shall pay to the contractor a sum stated in Contract Data as bonus (incentive) for every completed month which shall elapse between the date of completion of all items of works as stipulated in the Contract and the time prescribed in Clause 17.

46.3 For the purpose of calculating bonus payments, the time given in the Bid for completion of the whole of the works is fixed and unless otherwise agreed, no adjustments of the time by reason of granting an extension of time pursuant to Clause 28 or any other clause of these conditions will be allowed. Any period falling short of a complete month shall be ignored for the purpose of computing the period relevant for the payment of bonus.

47. Advance Payment:

47.1 The Engineer shall make advance payment to the Contractor for mobilization and cash flow support of the amounts stated in the Contract Data by the date stated in the Contract Data, only against provision by the Contractor of an Unconditional Bank Guarantee in a form and by a Bank acceptable to the Engineer in amounts and currencies equal to 110% of the advance payment.

47.2 An interest @ 10% per annum shall be charged on the advance payment.

47.3 The Advance Payment shall not be released until the basic design & architectural drawings is finalized and establishment of camp at work site is completed.

47.4 The guarantee shall remain effective until the advance payment has been repaid, but the amount of the guarantee shall be progressively reduced by the amounts repaid by the Contractor. The contractor shall ensure that the Bank Guarantee remain enforceable until the advance payment has been fully repaid and accordingly renew it, from time to time, until the advance payment has been fully repaid.

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47.5 If the terms of guarantee specify its expiry date, and the advance payment has not been re-paid by the date then 28 days prior to the expiry date, the contractor shall extend the validity of the guarantee until the advance payment has been fully repaid.

47.6 The advance payment shall be repaid through percentage deductions from the interim payments as follows:

(a) Deductions shall commence from the 1st interim payment.

(b) Deductions shall be made in proportions of the advance payment until such time as the advance payment has been repaid: provided that the advance payment shall be completely repaid prior to the time when 90 percent of the accepted contract amount has been repaid.

47.7 If the advance payment has not been repaid prior to the issue of the Taking over Certificate for the work or prior to termination under Section – 3 Clause -54 of (termination by employer), the balance advance is payable by the contractor to the employer.

48. Securities:

The Performance Security shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and by a bank or surety acceptable to the Employer, and denominated in Indian Rupees. The Performance Security shall remain valid up to the period as defined in the Contract Data.

49. Cost of Repairs:

Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects Correction periods shall be remedied by the Contractor at the Contractor's cost if the loss or damage arises from the Contractor's acts or omissions including the situation as stipulated at Cl. 12.

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E. FINISHING THE CONTRACT

50. Completion:

The Contractor shall request the Engineer to issue a Certificate of Completion of the Works and the Engineer will do so upon deciding that the Work is completed.

51. Taking Over:

The Employer shall take over the Site and the Works within seven days of the Engineer issuing a certificate of Completion.

52. Final Account:

The Contractor shall supply to the Engineer a detailed account of the total amount that the Contractor considers payable under the Contract before the end of the Defects Liability Period. The Engineer shall issue a Defect Liability Certificate and certify any final payment that is due to the Contractor within 56 days of receiving the Contractor's account if it is correct and complete. If it is not, the Engineer shall issue within 56 days a schedule that states the scope of the corrections or additions that are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the Employer shall decide on the amount payable to the Contractor and issue a payment certificate, within 56 days of receiving the Contractor's revised account.

53. Operating and Maintenance Manuals:

53.1 If "as built" Drawings and/or operating and maintenance manuals are required, the Contractor shall supply them by the dates stated in the Contract Data.

53.2 If the Contractor does not supply the Drawings and/or manuals by the dates stated in the Contract Data, or they do not receive the Employer's approval, the Engineer shall withhold the amount stated in the Contract Data from payments due to the Contractor.

54. Termination:

54.1 The Employer may terminate the Contract if the other party causes a fundamental breach of the Contract.

54.2 Fundamental breaches of Contract include, but shall not be limited to the following:

(a) the Contractor stops work for 28 days when no stoppage of work is shown on the current Programme and the stoppage has not been authorized by the Engineer;

(b) the Contractor is made bankrupt or goes into liquidation other than for a reconstruction or amalgamation;

(c) the Engineer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Engineer;

(d) the Contractor does not maintain a security which is required;

(e) the Contractor has delayed the completion of works by the number of days for which the maximum amount of liquidated damages can be paid as defined in the Contract data; and

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(f) if the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this paragraph: "corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution. "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition."

54.3 When either party to the Contract gives notice of a breach of contract to the Engineer for a cause other than those listed under Sub Clause 54.2 above, the Engineer shall decide whether the breach is fundamental or not.

54.4 Notwithstanding the above, the Employer may terminate the Contract for convenience.

54.5 If the Contract is terminated the Contractor shall stop work immediately, make the Site safe and secure and leave the Site, as soon as reasonably possible.

55. Payment upon Termination:

55.1 If the-Contract is terminated because of a fundamental breach of Contract by the Contractor, the Engineer shall issue a certificate for the value of the work done less advance payments received up to the date of the issue of the certificate, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law and less the percentage to apply to the work not completed as indicated in the Contract Data. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor, the difference shall be a debt payable to the Employer.

55.2 If the Contract is terminated at the Employer's convenience, the Engineer shall issue a certificate for the value of the work done, less advance payments received up to the date of the certificate, less other recoveries due in terms of the contract and less taxes due to be deducted at source as per applicable law. No extra cost will be paid by the employer for expenditure towards removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works and the Contractor's costs of protecting and securing the Works.

56. Property:

All materials on the Site, Plant, Equipment, Temporary Works and Works are deemed to be the property of the Employer, if the Contract is terminated because of a contractor's default.

57. Release from Performance:

If the Contract is frustrated by the outbreak of war or by any other event entirely outside the control of either the Employer or the Contractor, the Engineer shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which commitment was made.

For The Seal Coat
Structural Works (P) Ltd.
Manager

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F. SPECIAL CONDITIONS OF CONTRACT

1. LABOUR:

The Contractor shall, unless otherwise provided in the Contract, make his own arrangements for the engagement of all staff and labour, local or other, and for their payment, housing, feeding and transport.

The Contractor shall, if required by the Engineer, deliver to the Engineer a return in detail, in such form and at such intervals as the Engineer may prescribe, showing the staff and the numbers of the several classes of labour from time to time employed by the Contractor on the Site and such other information as the Engineer may require.

2. COMPLIANCE WITH LABOUR REGULATIONS:

During continuance of the contract, the Contractor and his sub contractors shall abide at all times by all existing labour enactments and rules made there under, regulations, notifications and bye laws of the State or Central Government or local authority and any other labour law (including rules), regulations, bye laws that may be passed or notification that may be issued under any labour law in future either by the State or the Central Government or the local authority. Salient features of some of the major labour laws that are applicable to construction industry are given below. The Contractor shall keep the Employer indemnified in case any action is taken against the Employer by the competent authority on account of contravention of any of the provisions of any Act or rules made there under, regulations or notifications including amendments. If the Employer is caused to pay or reimburse, such amounts as may be necessary to cause or observe, or for non-observance of the provisions stipulated in the notifications/bye laws/Acts/Rules/regulations including amendments, if any, on the part of the Contractor, the Engineer/Employer shall have the right to deduct any money due to the Contractor including his amount of performance security. The Employer/Engineer shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer.

The employees of the Contractor and the Sub-Contractor in no case shall be treated as the employees of the Employer at any point of time.

SALIENT FEATURES OF SOME MAJOR LABOUR LAWS APPLICABLE TO ESTABLISHMENTS ENGAGED IN BUILDING AND OTHER CONSTRUCTION WORK.

a) Workmen Compensation Act 1923: - The Act provides for compensation in case of injury by accident arising out of and during the course of employment.

b) Payment of Gratuity Act 1972: Gratuity is payable to an employee under the Act on satisfaction of certain conditions on separation if an employee has completed 5 years service or more or on death the rate of 15 days wages for every completed year of service. The Act is applicable to all establishments employing 10 or more employees.

c) Employees P.F. and Miscellaneous Provision Act 1952: - The Act Provides for monthly contributions by the employer plus workers @ 10% or 8.33%. The benefits payable under the Act are:

(i) Pension or family pension on retirement or death, as the case may be.

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(ii) Deposit linked insurance on the death in harness of the worker.

(iii) Payment of P.F. accumulation on retirement/death etc.

d) Maternity Benefit Act 1951: -The Act provides for leave and some other benefits to women employees in case of confinement or miscarriage etc.

e) Contract Labour (Regulation & Abolition) Act 1970:- The Act provides for certain welfare measures to be provided by the Contractor to contract labour and in case the Contractor fails to provide, the same are required to be provided, by the Principal Employer by Law. The Principal Employer is required to take Certificate of Registration and the Contractor is required to take license from the designated Officer. The Act is applicable to the establishments or Contractor of Principal Employer if they employ 20 or more contract labour.

f) The Code on Wages, 2019: This code consolidates the Laws relating to Wages and Bonus and matters connected therewith or incidental thereto.

g) Industrial Disputes Act 1947:- The Act lays down the machinery and procedure for resolution of Industrial disputes, in what situations a strike or lock-out becomes illegal and what are the requirements for laying off or retrenching the employees or closing down the establishment.

h) Industrial Employment (Standing Orders) Act 1946: - It is applicable to all establishments employing 100 or more workmen (employment size reduced by some of the States and Central Government to 50). The Act provides for laying down rules governing the conditions of employment by the Employer on matters provided in the Act and get the same certified by the designated Authority.

i) Trade Unions Act 1926: - The Act lays down the procedure for registration of trade unions of workmen and employers. The Trade Unions registered under the Act have been given certain immunities from civil and criminal liabilities.

j) Child Labour (Prohibition & Regulation) Act 1986: - The Act prohibits employment of children below 14 years of age in certain occupations and processes and provides for regulation of employment of children in all other occupations and processes. Employment of Child Labour is prohibited in Building and Construction Industry.

k) Inter-State Migrant workmen's (Regulation of Employment & Conditions of Service) Act 1979: - The Act is applicable to an establishment which employs 5 or more inter-state migrant workmen through an intermediary (who has recruited workmen in one state for employment in the establishment situated in another state). The Inter-State migrant workmen, in an establishment to which this Act becomes applicable, are required to be provided certain facilities such as housing, medical aid, travelling expenses from home upto the establishment and back, etc.

l) The Building and Other Construction Workers (Regulation of Employment and Conditions of Service) Act 1996 and the Cess Act of 1996:- All the establishments who carry on any building or other construction work and employs 10 or more workers are covered under this Act. All such establishments are required to pay cess at the rate not exceeding 2% of the cost of construction as may be modified by the Government. The Employer of the establishment is required to provide

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safety measures at the Building or construction work and other welfare measures, such as Canteens, First-Aid facilities, Ambulance, Housing accommodations for workers near the work place etc. The Employer to whom the Act applies has to obtain a registration certificate from the Registering Officer appointed by the Government.

m) Factories Act 1948: -The Act lays down the procedure for approval at plans before setting up a factory, health and safety provisions, welfare provisions, working hours, annual earned leave and rendering information regarding accidents or dangerous occurrences to designated authorities. It is applicable to premises employing 10 persons or more with aid of power or 20 or more persons without the aid of power engaged in manufacturing process.

3. **SUB-CONTRACTING (GCC Clause 7): (NOT APPLICABLE)**

Sub Contracting not allowed.

Please add the following as Clause 7.2:

The contractor shall not be required to obtain any consent from the employer for:

a) the Sub-contracting of any part of the works for which the sub-contractor is named in the contract;

b) the provision of labour; and

c) the purchase of materials which are in accordance with the standards specified in the Contract.

d) Beyond this if the contractor proposes sub-contracting any part of the work during execution of works, because of some unforeseen circumstances to enable him to complete the work as per terms of the contract, the Engineer / Employer will consider the following before according approval:

- The contractor shall not sub-contract the whole of the works.
- The contractor shall not sub-contract any part of the work without prior consent of the Engineer. Any such consent shall not relieve at the contractor from any liability or obligations under the contract and he shall be responsible for the acts, defaults and neglects of any sub-contractor, his agents or workmen as fully as if they were the acts, defaults or neglects of the contractor, his agents or workmen.
- The Engineer should satisfy whether (a) the circumstances warrant such sub-contracting; and (b) the sub-contractors so proposed for the work possess the experience, qualification and equipment necessary for the job proposed to be entrusted to them in proportion to the quantum of work to be sub-contracted.
- If payments are proposed to be made directly to that sub-contractor, this should be subject to specific authorization by the prime contractor so that this arrangement does not alter the contractor's liability or obligations under the contract.

Note : All bidders are expected to indicate clearly in the bid, if they propose sub-contracting elements of the works along with proposed value of such works [as mentioned in Contract Data]. For each such proposal the qualification and the experience of the identified sub-contractor in the

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relevant field should be furnished along with the bid to enable the employer to satisfy himself about their qualifications before agreeing for such sub-contracting and include it in the contract.

In view of the above, normally no additional sub-contracting should arise during execution of the contract.

4. PROTECTION OF ENVIRONMENT:

Add the following as Conditions of Contract Clause 16.2:

The Contractor shall take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or other resulting from pollution, noise or other causes arising as a consequence of his methods of operation.

During continuance of the contract, the Contractor and his sub-contractors shall abide at all times by all existing enactments on environmental protection and rules made there under, regulations, notifications and bye-laws of the State or Central Government, or local authorities and any other law, by-law, regulations that may be passed or notification that may be issued in this respect in future by the State or Central Government or the local authority. The contractor shall also abide by the requirements as per Attachment-X of the Bid Document.

Salient features of some of the major laws that are applicable are given below:

The Water (Prevention and Control of Pollution) Act, 1974: This provides for the prevention and control of water pollution and the maintaining and restoring of wholesomeness of water. 'Pollution' means such contamination of water or such alteration of the physical, chemical or biological properties of water or such discharge of any sewage or trade effluent or of any other liquid, gaseous or solid substance into water (whether directly or indirectly) as may, or is likely to, create a nuisance or render such water harmful or injurious to public health or safety, or to domestic, commercial, industrial, agricultural or other legitimate uses, or to the life and health or animals or plants or of aquatic organisms.

The Air (Prevention and Control of Pollution) Act, 1981: This provides for prevention, control and abatement of air pollution. 'Air Pollution' means the presence in the atmosphere of any 'air pollutant', which means any solid, liquid or gaseous substance (including noise) present in the atmosphere in such concentration as may be or tend to be injurious to human beings or other living creatures or plants or property or environment.

The Environment (Protection) Act, 1986: This provides for the protection and improvement of environment and for matters connected therewith, and the prevention of hazards to human beings, other living creatures, plants and property. 'Environment' includes water, air and land and the inter-relationship which exists among and between water, air and land, and human being, other living creatures, plants, micro-organism and property.

The Public Liability Insurance Act, 1991: This provides for public liability insurance for the purpose of providing immediate relief to the persons affected by accident occurring while handling hazardous substances and for matters connected herewith or incidental thereto. Hazardous substance means any substance or preparation which is defined as hazardous substance under the Environment (Protection) Act 1986, and exceeding such quantity as may be specified by notification by the Central Government.

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SECTION 4:
CONTRACT DATA

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Bhubaneswar

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Contract Data

Items marked "N/A" do not apply in this contract.

Clause Reference	Conditions	Data
1.1.5& 2.3	**Contract Data** (Documents also to form part of the Contract)	i. The Schedule of Operating and Maintenance Manuals (Date to be Notified) [Cl. No.53] ii. The Schedule of Other Contractors (To be Notified later) [Cl. No.8] iii. The Schedule of Key Personnel [Cl No.9] iv. The Methodology and Program of construction [Cl No.27] v. The Schedule of Key and Critical equipment to be deployed on the work as per agreed program of construction [Cl No.27] vi. Site Investigation reports [Cl No.14] vii. Notice inviting bid including all corrigendum's / addendum / additional conditions / specifications / drawings etc. if any issued at the time of invitation of bid and acceptance thereof. viii. Bid document. ix. Performance security
1.1.6	**Contractor**	Contractor's obligations shall be, but not limited to the following: I. The Contractor shall design, execute and complete the Works in accordance with the Contract and with the Engineer's instructions, and shall remedy any defects in the Works. II. The Contractor shall provide the Plant and Contractor's Documents specified in the Contract, and all Contractor's Personnel, Goods, consumables and other things and services, whether of a temporary or permanent nature, required in and for this design, execution, completion and remedying of defects. III. The Contractor shall be responsible for the adequacy, stability and safety of all Site operations and of all methods of construction. Except to the extent specified in the Contract, the Contractor a) shall be responsible for all Contractor's Documents, Temporary Works, and such design of each item of Plant and Materials as is required

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		for the item to be in accordance with the Contract, and b) shall also be responsible for the design or specification of the Permanent Works.
		IV. The Contractor shall, whenever required by the Engineer, submit details of the arrangements and methods which the Contractor proposes to adopt for the execution of the Works. No significant alteration to these arrangements and methods shall be made without this having previously been notified to the Engineer. V. Notwithstanding any previous test or certification, the Engineer may instruct the Contractor to: a) remove from the Site and replace any Plant or Materials which is not in accordance with the Contract, b) remove and re-execute any other work which is not in accordance with the Contract, and c) execute any work which is urgently required for the safety of the Works, whether because of an accident, unforeseeable event or otherwise. VI. The Contractor shall comply with the instruction within a reasonable time, which shall be the time (if any) specified in the instruction, or immediately if urgency is specified under sub-paragraph (c). VII. If the Contractor fails to comply with the instruction, the Employer shall be entitled to employ and pay other persons to carry out the work. Except to the extent that the Contractor would have been entitled to payment for the work, the Contractor shall pay to the Employer all costs arising from this failure. **Contractor's Care for Works:** I. The Contractor shall take full responsibility for care of the Works and Goods from the Commencement Date until the Taking-Over Certificate is issued for the Works, when responsibility for the care of the Works shall pass to the Employer. If a Taking-Over Certificate is issued for any Section or part of the Works, responsibility for the care of the Section or part shall then pass to the Employer. II. After responsibility has accordingly passed to the Employer, the Contractor shall take responsibility for the care of any

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		work which is outstanding on the date stated in a Taking-Over Certificate, until this outstanding work has been completed. III. If any loss or damage happens to the Works, Goods or Contractor's Documents during the period when the Contractor is responsible for their care, the Contractor shall rectify the loss or damage at the Contractor's risk and cost, so that the Works, Goods and Contractor's Documents conform with the Contract. IV. The Contractor shall be liable for any loss or damage caused by any actions performed by the Contractor after a Taking-Over Certificate has been issued. The Contractor shall also be liable for any loss or damage which occurs after a Taking-Over Certificate has been issued and which arose from a previous event for which the Contractor was liable.
1.1.11	**Defects Liability Period**	*The Defects Liability Period is **3 (Three) Years** from the date notified in the Completion certificate of the work.* I. In order that the Works and Contractor's Documents, and each Section, shall be in the condition required by the Contract (fair wear and tear excepted) by the expiry date of the relevant Defects Liability Period or as soon as practicable thereafter, the Contractor shall: a) complete any work which is outstanding on the date stated in a Taking-Over Certificate, within such reasonable time as is instructed by the Engineer, and b) execute all work required to remedy defects or damage, as may be notified by (or on behalf of) the Employer on or before the expiry date of the Defects Liability Period for the Works or Section (as the case may be). II. If a defect appears or damage occurs, the Contractor shall be notified accordingly, by (or on behalf of) the Employer. III. All work referred to as completion of outstanding work and remedying defects shall be executed at the risk and cost of the Contractor, if and to the extent that the work is attributable to: a) any design for which the Contractor is responsible, b) plant, materials or workmanship not being in accordance with the Contract, or c) failure by the Contractor to comply with any other obligation.

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Manager

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Clause Reference	Conditions	Data
1.1.12	**Employer's name and address**	**The Managing Director,** **Odisha Bridge & Construction Corporation Ltd,** Vikash Bhavan, Nayapalli, Bhubaneswar-751012, Odisha. Email id: mdobcc@gmail.com Phone number: 0674-, 2394093, 2396309, 2390043 FAX - 2396326
1.1.13	**Engineer's name and address**	**Senior Project Manager, Ekamra Division,** Odisha Bridge & Construction Corporation Ltd,
1.1.16	**Intended Completion Date**	05 (Five) months from the date of commencement
1.1.19	**Site**	The Site is located at Dhauli, Odisha. Details of the Site: As provided in Section 7 and Section 8
1.1.22	**Start Date / Date of Commencement**	Date of issue of notice to proceed with the work (To be notified later).
1.1.26	Works	Work Details: One of the popular landmarks of Odisha's Buddhist heritage is Dhauli International Peace Pagoda (Shanti Stupa), located 8 km south on the outskirts of Bhubaneswar. The Peace Pagoda is constructed atop Dhauli Hills close to the riverbank of Daya River. It was built as a collaborative project between Kalinga Nippon Sangha and the Odisha Government in 1972 to mark the famous Kalinga War that was fought along the banks of Daya River around 261 BC. The slab of the Stupa is in the shape of a dome.The dome structure of the Shanti Stupa possesses five umbrellas, and they symbolize the five essential parts of Buddhism. Preliminary visual inspection shows lots of weathering cracks on the exterior surface. Reinforcement has also been exposed at some places and the stupa is showing signs of weathering effects as the place is only 40 km away from the seashore. The Proposed repair & renovation work of Shanti Stupa at Dhauli for the larger interest of the tourists/visitors as Dhauli being one of the important tourist destinations of Odisha **Special repair (Structural) to the Dhauli Shanti Stupa**

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Clause Reference	Conditions	Data
		The work shall be executed in a Turnkey Contract, where the Contractor assumes single sole responsibility for on time project delivery, to a specified performance level inclusive of the design and construction of the project components, in return for a payment on a fixed price. Details of these works have been provided in Section-8, Concept drawings at Section-7 and Technical Specifications at Section-5. The rates and prices quoted by the bidder shall remain fixed for the duration of the contract and shall not be subject to any price adjustment.
2.2	Sectional Completion	N/A.
3	Language & Law	The language of the Contract documents is English. The law, which applies to the Contract, is the laws of Union of India.
7	Sub-Contracting	Sub-contracting is not allowed for this works
13.1 & 13.2	Insurance	The Contractor shall provide the following policies within 28 days from the date of commencement. a) Workmen compensation Policy. b) Contractor's All Risks (CAR).
14	Site Investigation Reports	Not Applicable
18.4	Stipulated Datelines for Approvals	As mentioned in Section 8
21	Possession of the Site	The Site Possession Date shall be as following: 100% of Site on the date of issuance of Notice to proceed with the Work;
24 & 25	Disputes	Disputes 24.1That for the purpose of jurisdiction in the event of disputes if any of the Contract would be deemed to have been entered in to within the State of Odisha and it is agreed that neither party to the Contract will be competent to bring a suit in regard to the matter by this Contract at any place outside Cuttack in the State of Odisha. 25.1competent to bring a suit in regard to the matter by this Contract at any place outside the State of Odisha. Any dispute, difference or controversy of whatever nature howsoever arising under or out of or in relation to this Agreement (including its

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		interpretation) between the Parties, and so notified in writing by either Party to the other Party (the "Dispute") shall, in the first instance, be attempted to be resolved amicably in accordance with the conciliation procedure set forth below.
		25.2The Parties agree to use their best efforts for resolving all Disputes arising under or in respect of this Agreement promptly, equitably and in good faith, and further agree to provide each other with reasonable access during normal business hours to all nonprivileged records, information and data pertaining to any Dispute. 25.3Conciliation: In the event of any Dispute between the Parties, either Party may call upon the Authority's Engineer, or such other person as the Parties may mutually agree upon (the "Conciliator") to mediate and assist the Parties in arriving at an amicable settlement thereof. Failing mediation by the Conciliator or without the intervention of the Conciliator, either Party may require such Dispute to be referred to the Chairman of the Authority and the Chairman of the Board of Directors of the Contractor for amicable settlement, and upon such reference, the said persons shall meet no later than 7 (seven) business days from the date of reference to discuss and attempt to amicably resolve the Dispute. If such meeting does not take place within the 30 (thirty) business day period or the Dispute is not amicably settled within 30 (thirty) days of the meeting or the Dispute is not resolved as evidenced by the signing of written terms of settlement within 30 (thirty) days of the notice in writing referred to in Clause 25.1 or such longer period as may be mutually agreed by the Parties, either Party may refer the Dispute to arbitration in accordance with the provisions of Clause 26.3 but before resorting to such arbitration, the parties agree to explore conciliation by the Conciliation Committees of Independent Experts set up by the Authority in accordance with the procedure decided by the panel of such experts and notified by the Authority on its website including its subsequent amendments. In the event of the conciliation proceedings being successful, the parties to the dispute would sign the written settlement agreement and the conciliators would authenticate the same. Such settlement agreement would then be binding on the parties in terms of Section 73 of the Arbitration Act. In case of failure of the conciliation process even at the level of the Conciliation Committee, either party may refer the Dispute to arbitration in accordance with the provisions of Clause 25.4 25.4 Arbitration : (i)Any dispute which remains unresolved between the parties through the mechanisms available/ prescribed in the

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		Agreement, irrespective of any claim value, which has not been agreed upon/ reached settlement by the parties, will be referred to the Arbitral Tribunal as per the Arbitration and Conciliation Act. (ii)The Arbitral Tribunal shall make a reasoned award (the "Award"). Any Award made in any arbitration held pursuant to this Article 25 shall be final and binding on the Parties as from the date it is made, and the Contractor and the Authority agree and undertake to carry out such Award without delay. (iii)The Contractor and the Authority agree that an Award may be enforced against the Contractor and/or the Authority, as the case may be, and their respective assets wherever situated. (iv)This Agreement and the rights and obligations of the Parties shall remain in full force and effect, pending the Award in any arbitration proceedings hereunder. Further, the parties unconditionally acknowledge and agree that notwithstanding any dispute between them, each Party shall proceed with the performance of its respective obligations, pending resolution of Dispute in accordance with this Article. 25.5 Adjudication by Regulatory Authority, Tribunal or Commission : In the event of constitution of a statutory regulatory authority, tribunal or commission, as the case may be, with powers to adjudicate upon disputes between the Contractor and the Authority, all Disputes arising after such constitution shall, instead of reference to arbitration under Clause 25.4, be adjudicated upon by such regulatory authority, tribunal or commission in accordance with the Applicable Law and all references to Dispute Resolution Procedure shall be construed accordingly. For the avoidance of doubt, the Parties hereto agree that the adjudication hereunder shall not be final and binding until an appeal against such adjudication has been decided by an appellate tribunal or court of competent jurisdiction, as the case may be, or no such appeal has been preferred within the time specified in the Applicable Law.
27.1	Programme	The Contractor shall submit a detail resource-based work program using standard software (Primavera/MS Projects) and a 'S' Curve showing monthly cash flow forecast for the Works, within 14 days of issue of the Letter of Acceptance of tender which shall form part of the contract.
27.2& 27.3	Update of the Programme	The period between Program updates shall be 30 days. The amount to be withheld for late submission of an updated Program shall be 1% of the Contract Amount to be released upon submission of the next Work Programme.

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31.1	Early Warning	The following is added after the paragraph: If the Contractor considers himself to be entitled to any extension of the Time for Completion and/or any additional payment, the Contractor shall give notice to the Engineer, describing the event or circumstance giving rise to the claim. The notice shall be given as soon as practicable, and not later than 28 days after the Contractor became aware, or should have become aware, of the event or circumstance. If the Contractor fails to give notice of a claim within such period of 28 days, the Time for Completion shall not be extended, the Contractor shall not be entitled to additional payment, and the Employer shall be discharged from all liability in connection with the claim.
34 & 35	Defects Liability Period	For Defects Liability Period Refer Cl. 1.1.11. The period for remedying Defects by the Contractor is 30 days from the date of Notice given by the Engineer, failing which the Employer shall make good the same at the cost and risk of the Contractor.
37.1	Change of Scope	The Change of Scope may also include work(s) under exigency which will facilitate smooth completion of the project and may not be directly related to the scope of works under this Contract.
37.5	Change of Scope	The existing Clause is replaced as below: The contractor's quotation for change of scope shall be determined by the Engineer as below. a) For works where Schedule of Rates (SOR) of State's Public Works Department are available the same shall be applicable for determination of costs. b) For item of works not included in Schedule of Rates as mentioned in sub-para (a) above, the cost of same shall be derived on the basis of MORTH Standard Data Book / CPWD Analysis / DSR or the prevailing market rates whichever is less. c) For item of works, rates of which could not be derived based on MORTH's Standard Data Book, CPWD Analysis shall be adopted. d) For item of works, rates of which could not be derived based on CPWD Analysis, the prevailing market rates shall be worked out. The rates so arrived shall be approved by the

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		Engineer which is binding on the Contractor. e) Any change in scope shall be calculated on the basis of the following priority: i. Odisha State CSR ii. CPWD rate iii. MoRTH rate iv. Delhi Schedule Rate Lowest Market rate to be approved by a committee
37.6	Change of Scope	Change of scope to be approved by Competent Authority
39.2	Payment Certificates	The Clause 39.2 of Section 3 is replaced as below: The Engineer shall check the Contractor's statement within **07 days** and certify the amount to be paid to the Contractor as per contract payment schedule after taking into account any credit or - debit for the month in question in respect of materials for the works in the relevant amounts and under conditions set forth in sub-clause 47.3 of the Contract Data (Secured Advance).
40	Payments	Employer shall pay the Contractor **within 07 days** of certification of the Engineer as per Cl. 39.
42	Tax	The existing Clause is replaced as below: The rates quoted by the Contractor shall be deemed to be inclusive the Royalty, Income Tax, Labour CESS and all other statutory taxes that the Contractor will have to pay for the performance of this Contract but **excluding GST on Works Contract**. GST on Works Contract shall be paid by the Employer as applicable. The Employer will perform such duties in regard to the deduction of such taxes at source as per applicable law.
43	Currency	The currency of the Contract is Indian Rupees
44.1	Retention Money	Retention money - 10 % of gross value of each running bill is to be deducted after gross payment exceeds 10% of the Contract Amount and shall continue upto 60% of the Contract Amount. The limit of retention money shall be 5% of the Contract Amount. However, the Contractor may furnish Bank Guarantee(s) for an amount equal to 5% of the Contract Amount, in which case no deduction for Retention Money shall be made. The Bank Guarantee(s) amounting to 5% of Contract Amount must remain valid at-least up to completion of Works and the Bank Guarantee(s) amounting to at-least 2.5% of Contract Amount must remain valid

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Clause Reference	Conditions	Data
		up to 28 days beyond the defect liability period.
45.1	Liquidated Damages	1. Project Completion Schedule During Construction period, the Contractor shall comply with the requirements set forth for each of the Project Milestones and the Scheduled Completion Date. Within 15 (fifteen) days of the date of each Project Milestone, the Contractor shall notify the Engineer of such compliance along with necessary particulars thereof. 2. Project Milestone-I Project Milestone-I shall occur on the date falling on the [**20% of the Scheduled/ Extended Construction Period**] day from the Commencement Date and the Contractor shall have **gross certified payment for an amount not less than 10% (Ten per cent) of the Contract Price**. 3. Project Milestone-II Project Milestone-II shall occur on the date falling on the [**40% of the Scheduled / Extended Construction Period]** day from the Commencement Date and the Contractor shall have **gross certified payment for an amount not less than 25% (Twenty Five per cent) of the Contract Price**. 4. Project Milestone-III Project Milestone-III shall occur on the date falling on the [**100% of the Scheduled / Extended Construction Period**] day from the Commencement Date and the Contractor shall have **gross certified payment for an amount not less than 100% (Hundred per cent) of the Contract Price**. The liquidated damages@ 0.05% of the balance work against the targeted achievement against the Milestone or completion per day subject to a maximum of 10% (ten percent) of the Contract Price, beyond which the Contract shall be **deemed to be terminated**. Provided further that in the event the Project Work is completed within or before the Scheduled Completion Date including any Time Extension, applicable for that work, the Damages paid under this Clause shall be refunded by the Employer to the Contractor, but without any interest thereon.
46	Bonus Payment	The Contractor shall be eligible for bonus payment as per the provisions of OPWD Code as on the date of signing of contract.
47	Advance payment	Advance Payment may be made upon request from the Contractor with the following conditions satisfied.

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Clause Reference	Conditions	Data
		(i) Maximum 10% (ten percent) of the contract amount for **mobilization**; and (ii) **90%** of the Paid Invoice amount subject to cumulatively maximum upto 35% of the Contract Amount as **Secured Advance** for non-perishable items of the Project. All advance payments shall be made against irrevocable bank guarantee(s) amounting to 110% of the Advance payment, from any Bank listed in Bid data sheet, payable at par by its branch at Bhubaneswar.
47.2	Interest on Advance payment	10 (ten) %
48	Performance Security	Within 21 days of receipt of the Letter of Acceptance, the successful Bidder shall deliver to the Employer a Performance Security in any of the forms given below for an amount equivalent to 3 (three) % of the Contract price, Public Sector Bank of India, counter guaranteed by its branch at Bhubaneswar. The guarantee shall be valid until 28 days from the date of expiry of the Defect Liability Period.
53 & 53.1	Operating and Maintenance Manual	Not Applicable ~~As built drawings duly approved by the Engineer, operating and maintenance manuals of various fittings, machines, equipment and /or installations along with their warranties as provided by the OEMs are required by the Employer and the Contractor shall supply them **within 30 days** of handing over of the project, failing which 1% of the Contract amount shall be withhold by the Employer.~~ ~~*If the documents **are not submitted within 60 days** of handing over of the project, the above withhold amount shall be **forfeited** by the Employer.*~~
54.2	Termination	The following is added after sub-para (f) [54.2] The Contractor has contravened Sub-clause 7 and Clause 9 of GCC. The Contractor does not adhere to the agreed construction program (Clause 27 of Conditions of Contract (CC) and also fails to take satisfactory remedial action as per agreements reached in the management meetings (Clause 30 of CC) for a period of 60 days.
55.1	Value of wok not completed.	The percentage to apply to the value of the work not completed representing the Employer's additional cost for completing the

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Clause Reference	Conditions	Data
		Works shall be 20 %.
56.1	Property	Contractor's Default shall mean provisions under Cl. 54.2 (a), Cl. 54.2. (c) and Cl. 54.2.(e).

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SECTION –5

GENERAL TECHNICAL SPECIFICATIONS

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SECTION –5
GENERAL TECHNICAL SPECIFICATIONS

Clause 5.1 The Technical specifications contained herein shall be read in conjunction with other documents of bid.

Clause 5.2 The technical specification in accordance with which the entire work described thereinafter shall be carried out and completed by the Contractor shall comprise the following:

PART I: GENERAL TECHNICAL SPECIFICATIONS

Clause 5.2.1 **PART I: GENERAL TECHNICAL SPECIFICATIONS**

The construction work shall be executed in a severe environmental exposure condition with alternate wetting & drying, with annual rainfall intensity of 1400 mm, and subject to a likely wind speed of 300 Km/Hr. The site is situated in the Seismic Zone-III.

Other provisions, stipulations, guidelines and rules laid down in the National Building Code, 2016 shall be adopted for all structural, functional, legal, regulatory, obligatory, safety requirements for the buildings with a view to deliver an integrated facility for the intended purpose. In NBC whenever "recommended" word is used, it is to be treated as a "mandatory" provision.

The following specifications shall be followed in this project.

(i) CPWD Specifications (Civil) Vol-I & II.

(ii) All relevant IS Codes for materials, testing and relevant BIS Codes of practices (IS 456: 2000, IS 800: 2007 and such other codes of practices)

Clause 5.2.2. Any other provisions/ material / testing suggested by the bidder (or Contractor) for the building/ building services not covered under Clause 5.2.1 above, shall be governed by the relevant Technical Specification prevalent as good practice in the industry and shall be adopted after approval by the Engineer-in-charge.

In case of any dispute arising out of the interpretations of the above, the decision of the Engineer-in-charge shall be final and binding on the Contractor.

Clause 5.2.3 When an Amended/ Modified/ added Clause supersedes a Clause or part thereof in the said specifications, then any reference to the superseded Clause shall be deemed to refer to the Amended/Modified/ Added Clause shall always prevail.

Clause 5.2.4 After construction, contractor to hand over the Project site free from any debris and construction material. Proper cleaning of the site after construction shall be in the scope of contractor.

Clause 5.2.5 For make of the special products, specified specifications are minimum requirement and Turnkey contractor is free to propose other higher or equivalent make which could be utilised after obtaining prior approval of Engineer-In-Charge in writing.

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Clause 5.3 Tests, Site Investigations & Specifications

All tests and investigations required for the project is included in the scope of Turnkey Contractor. Some of the major tests & site investigations are,

Clause 5.3.1 Visual Survey/ Inspection

Visual inspection for surface damages, cracks, flaking, coloration, local weaknesses, etc and their damage classification. Simple tools and instruments like camera with flash light, magnifying glass, binoculars, gauge for crack width measurement, chisel and hammer, etc. shall be used for measuring the distresses. The visual inspection shall largely cover areas of high distress, cracks and their location, moisture leakage, abnormal variations in structure, algae and fungus growth, efflorescence, etc. Visual inspection would be documented in the form of worksheets, photographic records, and distress over drawings etc. The visual survey report will be made separate for individual structure.

Clause 5.3.2 Compressive Strength of concrete Structure

Extracting the concrete core samples at select locations from RCC members of the structures covered under the study and evaluating the properties f_{ck} value, grade of concrete in the laboratory from the core samples selected without encountering any steel reinforcement from the RCC members at specified locations with portable power-driven core cutting equipment. After the core has been extracted, the hole shall be made good by plugging with epoxy mortar and finished as per the existing finish. No of samples & tests shall be as per IS 456:2000; IS516:1959, IS 1199:2018; ASTM C-42 or any other standard & specifications as applicable.

Clause 5.3.3 Determination of Carbonation depth

Measurement of carbonation depth by phenolphthalein spray test at selected locations on RCC members of the structures covered under the study to see the depth of carbonation as per BS EN 14630:2006, BS EN13295:2004. Ratio of Carbonation depth to cover depth is also measured to check the intensity of carbonation attack on steel bar. No of samples & tests to be performed shall be as per applicable standard & specifications.

Clause 5.3.4 Determination of Water-Soluble Chloride

To determine the degree of deterioration of concrete, chemical analysis of concrete powder collected from the structure's concrete core sample/ by drilling to understand the chemical deterioration/degradation of concrete and its effect on reinforcement corrosion in the laboratory to determine the Water Soluble Chloride Content % (by of mass of concrete) to check the risk of corrosion due to present chloride % as per IS: 14959 (Part2) # 2001, B.S. 5328 Part 1, ACI 201.2R-92, BS 1881 Part 124:1988, BS8110, IS 456:2000. No of samples & tests to be performed shall be as per applicable standard & specifications.

Clause 5.3.5 Determination of PH Value

To determine the degree of deterioration of concrete, chemical analysis of concrete powder collected from the structure's concrete core sample/ by drilling to understand the chemical deterioration/degradation of concrete and its effect on reinforcement corrosion in the laboratory to determine the pH Value (to check

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alkalinity of concrete) as per relevant B.S. 5328,ACI 201.2R-92 and ACI-318-99, IS 456:2000, BS 8110. No of samples & tests to be performed shall be as per applicable standard & specifications.

Clause 5.3.6 Determination of Acid & Soluble Sulphate

To determine the degree of deterioration of concrete chemical analysis of concrete powder collected from the structure's concrete core sample/ by drilling to understand the chemical deterioration/degradation of concrete and its effect on reinforcement corrosion in the laboratory to determine the Acid Soluble Sulphate Content % (by of mass of cement) to check risk of structural stability (due to volume increment of concrete) as per relevant BS 5328 code, BS 1881 Part 124:1988, BS 8110,IS 456:2000. No of samples & tests to be performed shall be as per applicable standard & specifications.

Clause 5.3.7 Ultra Pulse Velocity Tests

Ultrasonic Pulse Velocity Test for ascertaining the quality of concrete, soundness and density of concrete, uniformity of concrete in terms of density as per IS 13311 (Part-1)-1992, ASTM: C597-83, BS6089: 1981 and BS 1881: Part 203 and BSEN:13791.It covers removal of surface plaster, if any, with chisel etc, removal of cement slurry layer from concrete surface with grinding stone, making surface even & smooth, marking grid over mother concrete surface and location number, application of petroleum jelly, etc necessary for intimate contact of the transmitter & receiver with the concrete surface, recording the minimum & stable reading. According to IS 13311(Part1):1992 clause 5.2 transducers with a frequency of 50 to 60 kHz are useful for most all-round applications, and as per IS 13311(Part1):1992 clause 6.2 the path length should belong enough not to be significantly influenced by the heterogeneous nature of concrete. This test requires a flat surface generally only appropriate for unspalled surfaces.

No of samples & tests to be performed shall be as per applicable standard & specifications by dividing the entire structure in suitable grid of markings 30x30 cm or even smaller from each block/structure.

Clause 5.3.8 Rebound Hammer Tests

To determine the Surface hardness by conducting rebound hammer test as per IS 13311 (Part-2), ASTM C 805. The rebound hammer test shall be conducted at all those points where UPV test has been performed. One point consisting of six readings spread over an area of 1 sq.m @ 150 mm interval shall be considered as 1 test. It covers removal of surface plaster, if any, with chisel etc, removal of cement slurry layer from concrete surface with grinding stone, making surface even & smooth, marking grid over mother concrete surface and location number. According to ASTM C 805-02 clause 7.1 the concrete members to be tested shall be at least 100mm thick and fixed within a structure.

Clause 5.3.9 Half Cell Potential Tests

Measuring the Half Cell Potential readings with wheel electrode at the nodes of pre-marked grid points on concrete surface in a suitable grid for determining the probability of corrosion activity of embedded steel reinforcement in concrete with specified half-cell electrode in accordance with ASTM C876-1980 after moistening the concrete surface with water. The quoted rate shall include surface

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preparation, moistening concrete surface for assessing the percentage risk of corrosion in reinforcement, measuring the half-cell / surface potentials at selected locations on RCC members of the structures covered under the study to understand the extent of reinforcement corrosion and contour Mapping of corrosion, Plotting the half-cell potential readings in graphical presentation with potential contours plotted in terms of probable risk of corrosion of steel bar as per ASTM C876 [6]-1991. Make out a grid or matrix on the surface of the concrete using a chalk line, adhesive tape or paint. The choice of grid dimension will depend on the type of corrosion taking place. If general corrosion is suspected a grid size of 1X1 m may be adequate as the potential gradients will below. If localized corrosion is suspected a grid size suitable for detecting all corroding sites is 0.2X0.2 m. if half-cell potentials at adjacent positions differ by more than 100 m V it is advisable to reduce the grid size locally.

Clause 5.3.10 Determination of Cover Depth

To determine the existing RCC details by using Ferro scanner for measuring the cover depth and existing protecting layer of steel rebar, diameter of steel and amount of rebar. This item included surface preparation, graphical plotting/presentation, interpretation of data and detailing of transverse steel near column-beam junction from earth-quake requirement as per IS13920:1993 Clause 6.3.5 and Clause 7.3.3 by using Ferro scanner.

Clause 5.3.11 Cause Analysis of Deterioration of Plaster

To determine the present condition of plaster following Chemical Test for Plaster is required (a) Chemical composition of mortar. (b) Fineness of mortar. (c) Cause Analysis of deterioration of plaster.

Clause 5.4 Technical Specification of Work

The technical specification provided here in minimum requirement. Bidders are requested to do their own due diligence before bidding.

Clause 5.4.1 Scaffolding

Stage scaffolding shall be provided for the work. This shall be independent of the walls. Double scaffolding having two sets of vertical supports shall be provided. The supports shall be sound and strong, tied together with horizontal pieces over which scaffolding planks shall be fixed.

Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story heights made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. The elevational area of the scaffolding shall be measured for payment purpose.

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The payment will be made based on area irrespective of duration of scaffolding.

The scaffolding shall be checked by the QAQC personnel / safety engineer before use.

All safety precautions shall be ensured before start of work

Clause 5.4.2 Removal of un-sound Concrete

Removal of unsound concrete part of structure including chipping & cleaning up to the required depth.

Clause 5.4.3 Corrosion Inhibitor

Corrosion inhibitors are chemical substances (pure silane) that, when added in small amounts to the environment in which a metal would corrode, will reduce, slow down or prevent corrosion of the metal.

This inhibitor should have migratory kind of property which permits the material to migrate to a virtual extent up to minimum 50 mm, through pores of concrete, inhibiting the corrosion and de-passivating the Electro-chemical reaction. It should have no carcinogenic activity with concrete.

Rate of application on concrete surface will be as per manufacturer recommendation/Product data sheet. Also the application date shall not be more than 12 months from the date of manufacturing.

Product shall be applied to saturation by brush, roller, low pressure or airless spray equipment. Number of coats shall be as per the manufacturer recommendation. After the application of the last coat, as soon as the surface become mat, do a low-pressure water cleaning (water hose).

The day after application, the treated surfaces shall be cleaned by pressure washing (~ 10 MPa – 100 bars) to remove any traces of soluble salts that may have deposit at the surface.

Waiting time between two coats shall be normally 30 minutes to a few hours & allow the surface to dry between coats. Allow the surface to dry out between coats to a matt damp appearance.

To improve penetration speed, treated concrete may be dampened once or twice for 1 - 3 days after application.

Do not apply when rain or frost is expected, protect from rain for at least 6 hours at +20 °C.

If the product is applied next to natural stones, it may be necessary to protect them from splashes as some discoloration may occur.

The material shall be stored in cool and dry environment.

Clause 5.4.4 Rust Remover (Alkaline Based)

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Cleaning of reinforcement from rust from the reinforcing bars to give it a total rust-free steel surface by using alkaline chemical rust remover of approved make with paint brush and removing loose particles after 24 hours of its application with wire brush and thoroughly washing with water and allowing it to dry.

Clause 5.4.5 Zinc Based Epoxy Primer Coat (Anticorrosion Coating)

The primer is the most vital layer of a coating because it works as the base for the designated top coating that is needed for corrosion prevention. Zinc rich coating that are applied to protect ferrous surfaces from corrosion. These primarily work as sacrificial cathodic protection products. Because zinc is anodic to steel, these particles corrode first, thus protecting the ferrous substrate beneath the primer from corrosion.

Zinc rich epoxy-based primer coat of approved make in single application on reinforcement applied as per manufacturer's recommendation.

Surface Preparation: Remove all wax, oil and grease by solvent cleaning in accordance with the guidelines given by SSPC-SP1. Where necessary removes weld spatter and round off all rough weld seams and sharp edges to a smooth surface. • Abrasive blast clean to a minimum standard of Sa2½ (ISO 8501-1:1988) or SSPC-SP10 with an average surface profile of 40 to 75 microns. • Ensure no surface defects before application, all dusts shall be removed after blasting, ensure that the surface to be coated is clean, dry and free from any contaminants. Volume solids content shall be as per ASTM D2697, Minimum 60% by volume.

Dry Film Thickness Range 50 µm to 75 µm

Mix Ratio (by volume) 4 Base: 1 Hardener

Application of the Primer shall be done using airless sprayer, conventional air sprayer or using brush. Attention should be given for proper coating of the surface.

Thinner consumption and actual coverage of paint will depend on the site conditions. Stir the paint well before painting and while painting if necessary. Material should be stored at 30°C temperature in dry place.

Parameters required:

- Bond Strength with steel >1.5 Mpa
- Salt Spray Resistance ASTM G31 & ASTM B117

Clause 5.4.6 Epoxy Resin (Bonding Agent)

Providing and applying solvent free two components epoxy resin composed of liquid epoxy resin and hardener of minimum compressive strength 70MPa at 7 days (ASTM D695) and tensile strength >15 MPa at 7 days (ASTM D 638), slant shear bond strength > 15 MPa (7 days) (ASTM C882) for better bonding between old and new concrete @ 0.5kg/sqm on prepared surface of structure and should meet the required standards and specifications.

Surface Preparation: The surface must be thoroughly cleaned and prepared. Remove all loose particles, dirt, dust, laitance, and mould

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release agents, curing compounds, oils, grease, floor hardeners if any. New concrete must be cured completely.

Clause 5.4.7 Micro Concrete

Micro concrete is a specialized high strength non shrink, free flow concrete. For strengthening, retrofitting & repair of structural and non-structural members.

Application & repairing of excessively damaged structural members with non-shrink pourable cementitious micro-concrete of average thickness 50 mm with minimum compressive strength 50 MPa (ASTM C109) in 28 days, Tensile Strength > 7 MPa at 28 days (BS 6319 Part 7) , Flexural Strength > 20 MPa at 28 days (ASTM C293) and Hardened Expansion < 1.5% (ASTM C 827). Product used shall be Class A1 fire rated as per EN 1504 Part 3 Cl.5.5. Recommended water and coarse aggregate to be added at site as per requirement.

Product to be used for micro concreting shall be manufactured within 6 months from the date of application.

Mixing Ratio: Water: Powder = 0.14 to 0.16 by weight. Mixing time should be minimum 5 minutes.

Surface Preparation: Structural support system shall be studied and supported before removal of deteriorated concrete section for micro concreting. All formwork shall be designed according to the site condition and repair requirement. Clean the surface and remove loose concrete, any dust, oil, paint, grease etc. Expose fully any corroded steel in the repair area and remove all scale and corrosion deposits. Apply corrosion resistance products & epoxy as applicable.

Concrete surface to be cured for at least 7 days.

Chemical Anchors for fixing Additional Reinforcement:

Providing and fixing of Rebars of required diameter at specified distances by drilling of holes of appropriate diameter up to a depth as directed by EIC in to the concrete or as per the manufacturer recommendation, cleaning the holes with water and air blower to make sure that there is no fine particles present in the hole followed by chemical anchoring application using Epoxy chemical anchoring of approved manufacturer tested in accordance with BS 4551,BS 5080,BS 2782 having ultimate compressive strength (BS 6319 Part 2: 1983)- 70 N/mm2. in cartridge as per the given proportions recommended by the manufacturer in the cleaned holes to a minimum depth of 2/3rd of the hole, fixing of the rebars of the grade Fe-500 & following sizes and curing including carrying out pull out test for 10% of the anchored rebars. The cost to include all materials, labour, machinery, tools, tackles and consumables complete with all by-works as per drawings, specifications, manufacturer's recommendation, good engineering practice and as directed by EIC.

Note: The rebars shall be separately measured and paid as per relevant item in the schedule of quantities.

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Clause 5.4.8 SBR Polymer

SBR (Styrene butadiene rubber emulsion) is a synthetic rubber emulsion which when added to cement slurry / cement mortar / concrete / grout provides good adhesion and water resistance. It comes in the form of a milky liquid. It is fully soluble in water and is to be added directly to the gauging water of slurry / mortar / concrete / grout.

Providing, mixing and applying 12 mm average thick SBR polymer of approved make in modified Cement mortar in proportion of 1:4 (1 cement : 4 graded coarse sand) mixed with polymer minimum @ 2% by wt. of cement used to achieve the smooth surface.

Clause 5.4.9 Epoxy Putty

Moisture insensitive epoxy putty for underwater repairs and damp conditions. Epoxy Putty is a solvent free epoxy resin-based putty. It is a moisture insensitive repair material and can be used on damp substrates and underwater applications. It should be Conforms to ASTM C 882.

Sealing of Cracks by moisture insensitive two component epoxy putty with tensile adhesion strength minimum 10 MPa by making the cracks into a groove of 20 mm(W) X 10 mm (D) by mechanical means and cleaning the grooves by wire brushing and air blowing etc.

Clause 5.4.10 Galvanised NRV Packers

Providing and inserting 12mm dia galvanised steel NRV packers for injection grouting in honeycombed area and along crack line including

a) Drilling Holes: Drilling 14 mm dia., 100 to 300 mm deep holes in structural members

b) Cleaning of holes: Clean the holes by air blower prior to fixing of NRV packers

c) Fixing of NRV packers

Quantities shall be as per the site requirement.

Clause 5.4.11 Epoxy Grouting

As an injection resin with good adhesion to dry concrete, mortar, stone, steel and wood. It is used to fill and seal voids and cracks in structures, e.g. columns, beams, foundations, walls, floors and water retaining structures etc.

Low viscosity Epoxy Grouting: Injecting low viscosity Epoxy grout products by pressure with accessories till nozzles refuse to accept the grout, Including

(A) Mixing of materials: Mixing material components (part a & b) in required quantities as per manufacturer's instruction by weigh batching.

(B) Grouting: Fill the grouting gun with RESIN. Maintain desired pressure

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in the gun by air compressor; maintain the pressure at exit (3 to 4 Kg/ Cm^2) by monitoring pressure gauge at exit. Grout the material through prefixed nozzles in the structural elements still its refusal. Monitor leakages through other nozzles while grouting and seal them as per the requirement. Repeat the process for all the nozzles. Complete the operation within pot life of the material.

(C) Cleaning of gun and accessories: Clean the gun and accessories (valves, pipes and other fixtures) with T-60 thinner after the operation to avoid jamming of the gun.

Minimum compressive strength after 7 days curing should be 100 N/mm2 (ASTM D695), Tensile Strength of 25 MPa (ASTM D638), Bond Strength > 4 MPA (ASTM C882).

Clause 5.4.12 Waterproofing

Supplying and applying waterproofing products (a cold-applied, one-component highly elastic, UV resistant and also eco-friendly waterborne liquid applied waterproofing membrane based on modified polyurethane technology which contributes to Green Building certification standards) after making the surface free from all loose particle, dust, dirt, oil, grease, or any other contaminants by wire brush, air blowing etc conforms to ASTM E 1980.

It can be applied using a thick hair brush, short piled lamb skin roller or airless spray equipment. Contractor to ensure a consistent thickness. Minimum coats requirement shall be based on the manufacturer recommendations.

New concrete should be cured for at least 28 days and should have a pull off strength > 1.5 N/mm2. Cementitious or mineral based substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and to achieve an open textured surface. Loose friable material and weak concrete must be completely removed and surface defects such as blowholes and voids must be fully exposed. Repairs to the substrates, filling of joints, blowholes/voids must be fully and surface levelling must be carried out using appropriate products from Sika® range of products.

Chemical Base shall be of Modified Polyurethane dispersion type.

Tensile Strength shall conforms to ASTM D412

Elongation at break shall conforms to ASTM D412

Tear Strength shall conforms to ASTM D624

Crack Bridging Ability shall conforms to ASTM D1305

Solar Reflectance shall conforms to ASTM D1980

Thermal Emittance shall conforms to ASTM D1980

Turnkey Contractor to provide a minimum service warranty of 10 years from the date of hand over for the waterproofing.

Bidder shall also require to submit MTC from any Indian Laboratory for confirming suitability of the product for this project.

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Clause 5.4.13 Anti Carbonation Exterior Painting

The coating shall be elastomeric water based coating having excellent adhesion to the substrate and cures to form a flexible film that allows the surface to breathe and still waterproofs and acts as carbon dioxide barrier thus protecting the concrete in aggressive weather conditions. This coating allows water and vapor to transfer from inside the concrete to outside the concrete without any crack or failure in the coating. At the same time it does not allow water or vapor to penetrate the concrete structure.

Providing & applying suitable water based acrylic anti-carbonation water proofing treatment to the surface of the structure by Painting. The paints shall have below properties,

- DFT Approx 200 microns (2 coats)
- Crack bridging ability Upto 2.0 mm
- CO2 Diffusion Resistance:
  - Equivalent Thickness of Air> 50m (DIN EN 1062-6)
  - Equivalent Thickness of 30N concrete > 500mm (Taywood Method)
- Chloride Ion Penetration: Low (ASTM C1202)
- Solar Reflective Index > 105

Surface Preparation: Prepare the surface to be treated by repairing the cracks, voids, depressions, etc and thoroughly cleaning it and making it free from dust, dirt, oil, and loose particles. Wash the surface with water. And apply Primer and apply it on the concrete/plaster surface with a brush in a uniform way. After drying apply primer coat, apply AC paint on the concrete surface uniformly. Apply second coat after first coat as per manufacturer recommendation.

Paint should be stored in clean and covered surroundings and it should be stored in a way that there is no physical damage to the can during storage. It should be stored between 5°C – 40°C and avoid exposure to sunlight.

Clause 5.4.14 Removing Old Tiles

Dismantling and removing old tiled flooring including removing the base coarse and stacking the useful materials for reuse.

Clause 5.4.15 Tiling (New)

Fixing of 600 mm X 600 mm, 10mm thick square shaped anti-skid tiles on the floor by providing spacers of 3 mm and filling the joints with epoxy putty confirming to IS 777.

Colour: white.

All the specifications should confirm to IS 4457:2007.

Tiles shall be procured from any reputed manufacturer.

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Manager

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Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

For The Seal Coat
Structural Works (P) Ltd.
Sangram Keshari Das
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

SECTION 6:
SECURITIES AND OTHER FORMS

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

For The Seal Coat
Structural Works (P) Ltd.
Sanjoy Keshari Das
Manager

PERFORMANCE BANK GUARANTEE

To

_____[name of Employer]
_____[address of Employer]
_____

WHEREAS_____[name and address of Contractor] (hereafter called "the Contractor") has undertaken, in pursuance of Contract No._____ dated _____to execute _____ [name of Contract and brief description of Works] (hereinafter called "the Contract").

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligation in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee:

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you on behalf of the Contractor, up to a total of_____ [amount of guarantee]*_____ (in words), such sum being payable in the types and proportions of currencies in which the Contract Price is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of_____ [amount of guarantee] as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between your and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall also be operatable at our…….. Branch at Bhubaneswar, from whom, confirmation regarding the issue of this guarantee or extension / renewal thereof shall be made available on demand. In the contingency of this guarantee being invoked and payment thereunder claimed, the said branch shall accept such invocation letter and make payment of amounts so demanded under the said invocation.

The guarantor/bank hereby confirms that it is on the SFMS (Structural Finance Messaging System) platform & shall invariably send an advice of this Bank Guarantee to the designated bank of Odisha Bridge & Construction Corporation Ltd details of which is as under:

Sl No.	Particulars	Details
1	Name of Beneficiary	OB&CC Ltd.
2	Name of Bank	Union Bank of India
3	Account No	127511100001024
4	IFSC Code	UBIN0812757

This guarantee shall be valid until 28 days from the date of expiry of the Defect Liability Period.

Signature and Seal of the guarantor _____
Name of Bank _____
Address _____
Date _____

* An amount shall be inserted by the Guarantor, representing the percentage the Contract Price specified in the Contract including additional security for unbalanced Bids, if any and denominated in Indian Rupees.

For The Seal Coat
Structural Works (P) Ltd.
Sanjoy Deshai Das
Manager

12/1/22
Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

BANK GUARANTEE FOR ADVANCE PAYMENT

To

_____ [name of Employer]
_____ [address of Employer]
_____ [name of Contract]

Gentlemen :

In accordance with the provisions of the Conditions of Contract, sub-clause 47.1 ("Advance Payment") of the above-mentioned Contract, _____ [name and address of Contractor] (hereinafter called "the Contractor") shall deposit with _____ [name of Employer] a bank guarantee to guarantee his proper _____ and faithful performance under the said Clause of the Contract in an amount of _____ [amount of Guarantee] * _____ [in words].

We, the _____ [bank or financial institution], as instructed by the Contractor, agree unconditionally and irrevocably to guarantee as primary obligator and not as Surety merely, the payment to _____ [name of Employer] on his first demand without whatsoever right of obligation on our part and without his first claim to the Contractor, in the amount not exceeding _____ [amount of guarantee]* _____ [in words].

We further agree that no change or addition to or other modification of the terms of the Contractor or Works to be performed thereunder or of any of the Contract documents which may be made between _____ [name of Employer] and the Contractor, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall also be operatable at our…….. Branch at Bhubaneswar, from whom, confirmation regarding the issue of this guarantee or extension / renewal thereof shall be made available on demand. In the contingency of this guarantee being invoked and payment thereunder claimed, the said branch shall accept such invocation letter and make payment of amounts so demanded under the said invocation.

The guarantor/bank hereby confirms that it is on the SFMS (Structural Finance Messaging System) platform & shall invariably send an advice of this Bank Guarantee to the designated bank of Odisha Bridge & Construction Corporation Ltd details of which is as under:

Sl No.	Particulars	Details
1	Name of Beneficiary	OB&CC Ltd.
2	Name of Bank	Union Bank of India
3	Account No	127511100001024
4	IFSC Code	UBIN0812757

This guarantee shall remain valid and in full effect from the date of the advance payment under the Contract until _____ [name of Employer] receives full repayment of the same amount from the Contractor.

Yours truly,

Signature and Seal : _____
Name of Bank / Financial Institution : _____
Address: _____
Date: _____

* An amount shall be inserted by the Bank or Financial Institution representing the amount of the Advance Payment, and denominated in Indian Rupees.

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

COMPLETION CERTIFICATE

1 I… ..... (Name of the Engineer), acting as the Engineer, under and in accordance with the Agreement dated ..... (the "Agreement"), for [construction of the ****) on Turn Key basis through (Name of Contractor), hereby certify that the Tests in accordance with Contract Agreement have been successfully undertaken to determine compliance of the Project with the provisions of the Agreement, and I am satisfied that the Project can be safely and reliably placed in service of the Users thereof.

2 It is certified that, in terms of the aforesaid Agreement, all works forming part of Project have been completed, and the Project is hereby declared fit for entry into operation on this the day of 20……..., Scheduled Completed Date for which was the…... day of... 20……

SIGNED, SEALED AND DELIVERED

For and on behalf of the Engineer by:

(Signature)

(Name)

(Designation) (Address)

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

For The Seal Coat
Structural Works (P) Ltd.
Sanjoy Kumar Dy Manager

TAKING OVER CERTIFICATE

I, ... (Name and designation of the Employer's Representative) under and in accordance with the Agreement dated …….. (the "Agreement"), for [construction of ****] (the "Project") Turn Key basis through …… (Name of Contractor), hereby certify that the Tests on completion of Defect Liability Period in accordance with the Agreement have been successfully undertaken to determine compliance of the Project with the provisions of the Agreement and I hereby certify that the Employer has taken over the Project from the Contractor on this day……

SIGNED, SEALED AND DELIVERED

(Signature)

(Name and designation of Authority's Representative)

(Address)

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

For The Seal Coat
Structural Works (P) Ltd.
Manager

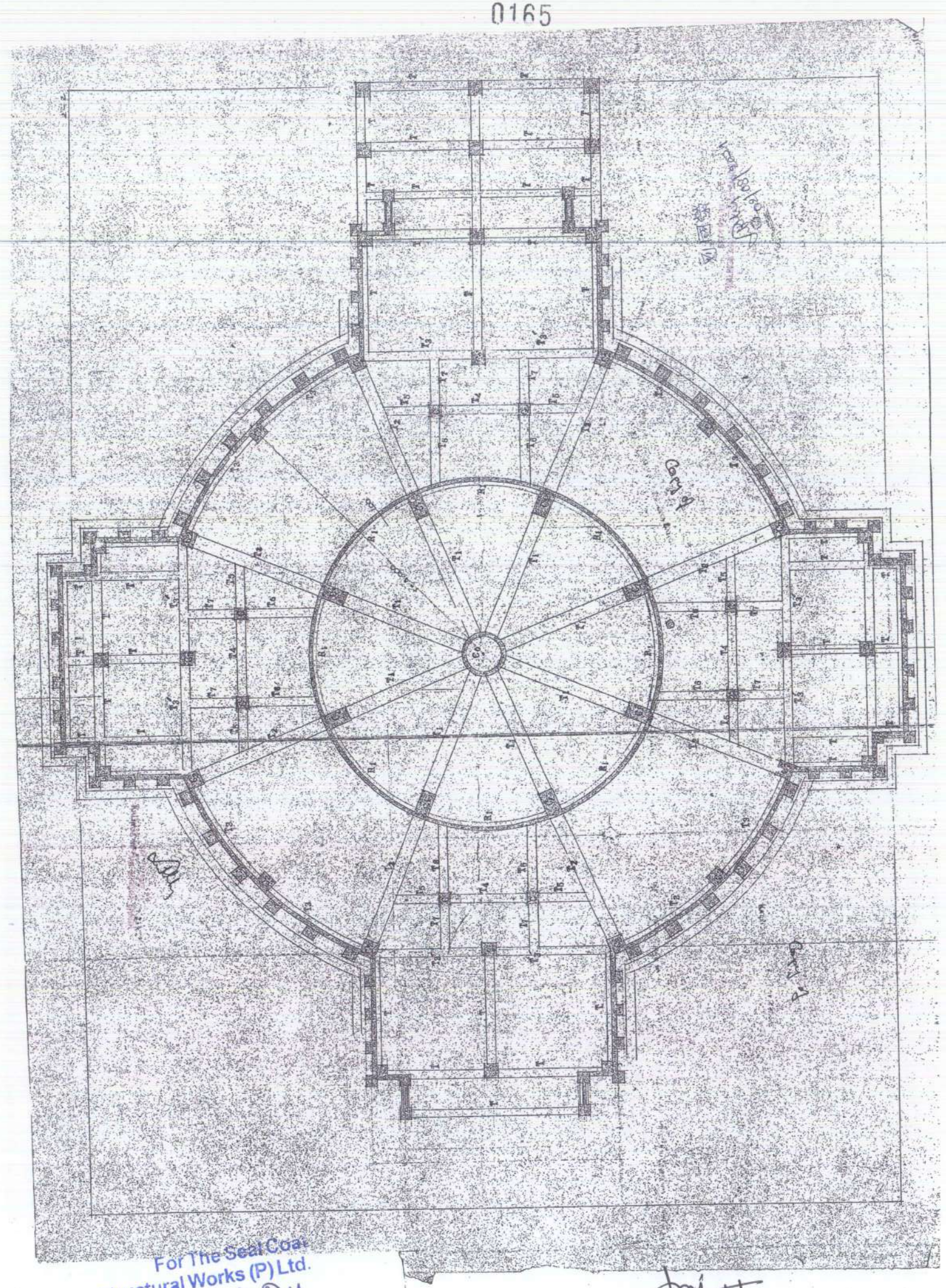
SECTION –7

DRAWINGS

Structural Drawing attached is for reference only. Bidders have to do their own due diligence before bidding.

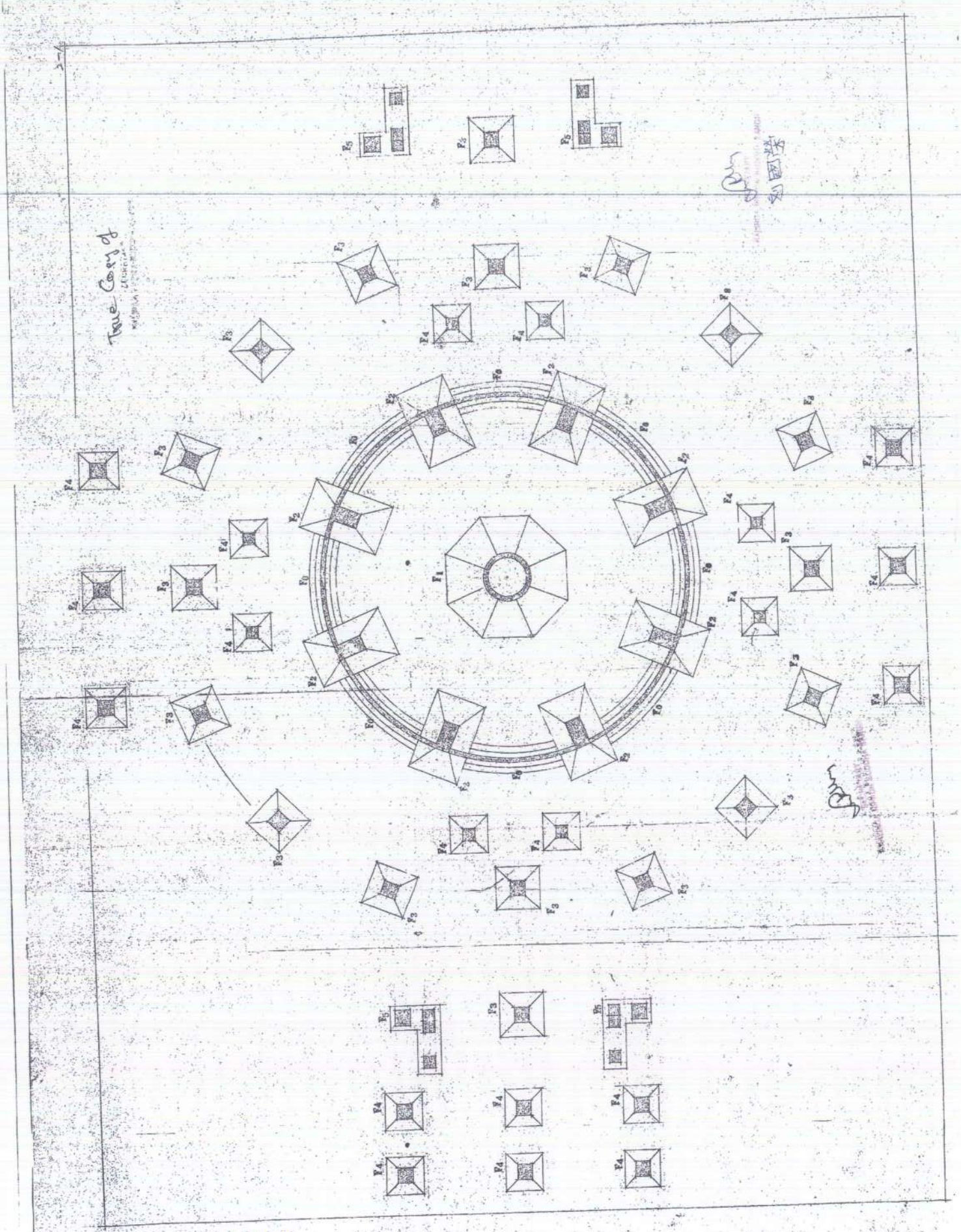
For The Seal Coat
Structural Works (P) Ltd.
Manager

10/1/22
Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar



For The Seal Coat
Structural Works (P) Ltd.
Manager

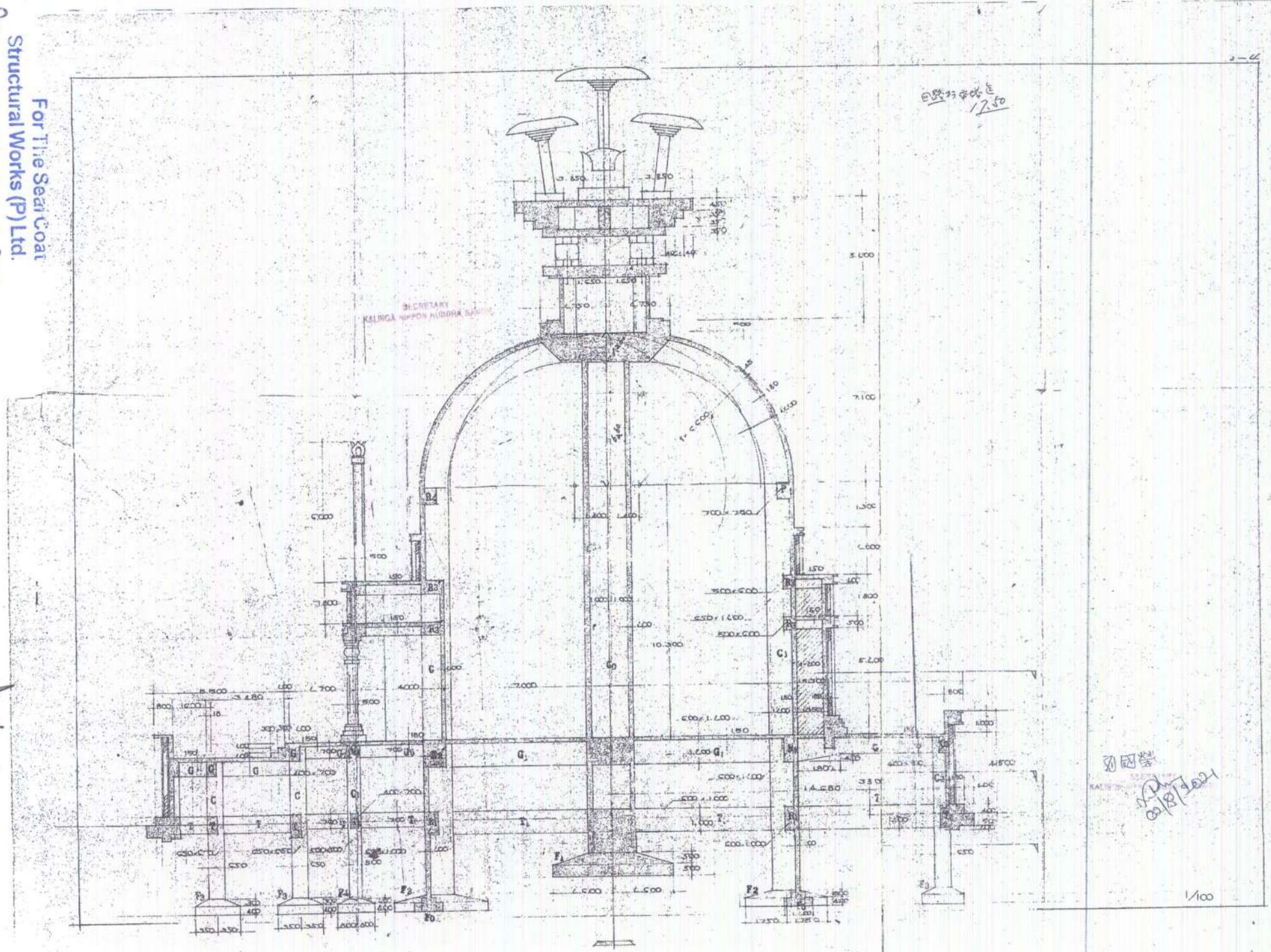
Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar



True Copy of

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar



For The Sea Coal
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.

SECRETARY
KALINGA NIPPON HUDDRA SANGH

SECTION-8
TERMS OF REFERENCE, DESIGN BRIEF & SCOPE OF WORK

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

SECTION-8
TERMS OF REFERENCE, DESIGN BRIEF & SCOPE OF WORK

SPECIAL REPAIR (STRUCTURAL) TO THE DHAULI SHANTI STUPA

1. PROJECT DESCRIPTION

One of the popular landmarks of Odisha's Buddhist heritage is Dhauli International Peace Pagoda (Shanti Stupa), located 8 km south on the outskirts of Bhubaneswar. The Peace Pagoda is constructed atop Dhauli Hills close to the riverbank of Daya River. It was built as a collaborative project between Kalinga Nippon Sangha and the Odisha Government in 1972 to mark the famous Kalinga War that was fought along the banks of Daya River around 261 BC.The slab of the Stupa is in the shape of a dome.The dome structure of the Shanti Stupa possesses five umbrellas, and they symbolize the five essential parts of Buddhism.

Preliminary visual inspection shows lots of weathering cracks on the exterior surface. Reinforcement has also been exposed at some places and the stupa is showing signs of weathering effects as the place is only 40 km away from the seashore.

The Proposed repair & renovation work of Shanti Stupa at Dhauli for the larger interest of the tourists/visitors as Dhauli being one of the important tourist destinations of Odisha. The total work has been divided into two parts.

Special repair (structural) to the Dhauli shanti stupa

Also, due to entrapped ingress of moisture through the pathway tiles, seepage of water has been observed from basement. For structural stability, the structural repair& renovation has been proposed for the Dhauli Shanti Stupa.

Detailed scope of work for Repair & Restoration has been mentioned in Clause-5 of this section.

2. DETAIL SCOPE OF WORK& DESIGN CRITERIA

The total scope of work for the contractor has been divided broadly into following but not limited to,

A. General
B. Site Investigation
C. Design& Approval
D. Execution

For The Steel Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

E. Defect Liability

2A. General

i. Carry out all necessary work for SPECIAL REPAIR (STRUCTURAL) TO THE DHAULI SHANTI STUPA

ii. The work specified hereinabove shall be treated as an approximate assessment. The actual works as required on the basis of site investigation and design shall be determined by the Turnkey Contractor in accordance with the relevant specifications and standards.

iii. The scope shall include design, construction, installation, testing, commissioning including conducting necessary tests etc. required for successful completion of the work.

iv. The activities required for completion of the Project on a turnkey basis include

a) Planning of the Facilities including functional analysis, workflow analysis etc.

b) Design development including preparation of design brief& concept, concept for services, Repair Methodology etc. It may be noted that the concept plans & Design Basis Report forming part of the RFP documents shall be the minimum requirement for this.

c) Detailed engineering design including structural & civil.

d) Procurement, installation, testing and commissioning of requisite equipment as per the requirement of structural strengthening.

e) Project Management to ensure completion of Project as per the specified timelines.

f) Compliance with Environmental and Energy efficiency norms.

g) Handing over of the facilities after fulfilling all the obligations under "Employer's Requirement"

v. The contractor shall do all the required site investigations, Prepare Repair Methodology & do the repair & renovation as per the approved report and drawings.

vi. The Turnkey Contractor shall establish a design liaison office at site within 15 days from the Commencement Date to facilitate preparation and submission of designs, drawings, construction documents, etc., for review and approval by the Employer's Representative. The design liaison office shall preferably be located near the Employer's office to facilitate communications and frequent interactions with the Employer's Representative and the Employer. The Contractor will be fully responsible for ensuring that its designs, drawings, and construction documents satisfy all requirements for constructing works that are complete and fully functional in all respects. Contractor shall be responsible for making the facility fit for the intended purpose while performing all of its obligations covered under the Contract Document in its entirety. The work shall be done in accordance to the drawings/proposal approved by the statutory authorities.

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

vii. Indicative quantities have been mentioned in section-9, for reference only. **Bidders are requested to do their own due diligence before bidding**

viii. Construction enabling works like site office, labour camp, material stacking, laboratory, etc as applicable shall be the responsibility of contractor.

ix. All test including reports shall be from NABL certified Lab only.

x. The Contractors must produce manufacture quality assurance certificate with routine visit to check the quality of work.

xi. Any extra/miscellaneous materials required to execute the said work shall be in contractor scope.

2B. Site Investigation

i. Carry out necessary survey, investigations, coordination with various utilities department and other works to assess & collect data related to SPECIAL REPAIR (STRUCTURAL) TO THE DHAULI SHANTI STUPA

ii. The contractor needs to conduct tests for structural cracks, carbonation & alkali effects and moisture ingress for the structure. During site investigation the agency should conduct all required tests but not limited to chemical tests, NDT tests like Rebound Hammer, UPV, Corrosion analysis, Cover Depth, Carbonation, Core Test, Chloride &PH Tests etc to ascertain the existing condition and formulation of the Repair Methodology.

iii. The Turnkey Contractor shall study the existing condition of the Stupa, applicable specifications and standards, material finishes required for the structural repair and understand all parameters of the design including the look & feel intent of the Employer.

2C Design & Approval

i. Prepare Design basis Report, Detailed design, Restoration Methodology comprising of the following but not limited to:

a. Existing Condition

b. Restoration Methodology

c. Structural Repairing

d. Waterproofing Treatment

e. Anti-Carbonation Painting

f. Flooring

g. Detailed Plan & Schedule

ii. Whenever required or necessitated by the site conditions, modification of designs as well as suggestion of solutions to the problems encountered during actual execution.

iii. The scope shall include taking all necessary statutory approvals from Dhauli Development Committee (DDC), and other required stakeholders/Departments.

For The Seal Coat
Structural Works (P) Ltd.
Sanjoy Keshari Dy
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

iv. The scope includes further detailing, as deemed necessary, preparing Good for Construction (GFC), coordinated drawings and carry out repair & renovation in accordance with the contract document & scope. The scope also includes maintaining the Quality assurance & Quality control (QA&QC) including control, corrective actions, reporting and arranging for regular inspections by all concerned.

v. Contractor shall do Structural Design analysis based on approved Civil Structural Design Criteria.

vi. The Contractor shall proceed further with the construction only after its approval and sign off on the design. And related Construction activities shall not commence prior to approval of the same. Any minor modification or alteration to one design shall not be construed as "option of the design".

vii. Contractor shall prepare and submit approval drawings, documents, calculations, certificates, etc, as may be necessary by the statutory authorities, at the relevant stages. The contractor shall prepare and modify the GFC drawings based on the drawings approved by the statutory authorities.

viii. Each of the submission should clearly identify the Work, purpose of the submission, document number etc. as approved in the procedure referred above. Upon review of the said submission Employers Representative shall review and revert with relevant codes for revision, approval, conditional approval, etc. Although Work may proceed on receipt of a drawing with conditional approval, Contractor must resolve the comments indicated, resubmit and obtain an approval before completion of the affected Work. Employer/ Employer's Representative and Consultant/OBCC's review and permission to proceed does not constitute acceptance or approval of submittals including, but not limited to, design details, calculations, analyses, test methods, construction methods, plans, certificates or materials developed or selected by Contractor and does not relieve Contractor from full compliance with the Contract requirements.

ix. Contractor shall refer and implement all relevant and all applicable codes, technical standards, regulations, as amended, required for performance of Work covered under this Contract.

x. For all structural designs and drawings, the contractor must get the proof check done by accredited agencies at his own cost before submitting for the approval of the client.

xi. Contractor shall submit product data sheet for all the materials to be used at site for review. All materials whose quality checks shall be done shall be done by the contractor at their own cost and test reports shall be made available to the employer for review and approval.

2D Execution

I. Execution of all Civil Works at Site including Construction, Erection, Testing and Handing over shall be in the scope of Turnkey Contractor.

II. Setting out of the works such as scaffolding, Site Clearing, NDT/other structural tests to ascertain the structural stability assessment, Study for existing Corrosion, Formulation of Repair Methodology, Providing Product Data Sheet, removal of unsound concrete, chipping, carrying out Repair works, waterproofing Treatment, Flooring, scrapping of existing plaster & Painting etc. shall be in the scope of

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manage
Ekamra Division
O.B. & C.C. Ltd.

contractor.

III. Scaffolding of cup lock type shall be erected on a firm base with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps as per prevailing IS codes.

IV. Major repair works are mentioned below but not limited to the following,

a. Removal of unsound concrete parts
b. Application of corrosion inhibitors
c. Cleaning of corroded reinforcement using chemical rust remover
d. Application of zinc-based epoxy
e. Application of solvent free epoxy resin
f. Repair excessively damaged members with micro concrete
g. Polymer based cement plastering for smooth surface
h. Sealing of cracks
i. Grouting
j. Application of waterproofing compound on exterior surface. Waterproofing membrane based on modified polyurethane technology which contributes to Green Building certification standards
k. Anti-CarbonationExterior Painting
l. Dismantling and replacement of old tiles with good quality anti-skid tiles including base preparation
m. Removing white or colour wash by scrapping and sand papering
n. 12mm. thick cement plaster (1:6) for brick work
o. Supplying, fitting and placing uncoated additional HYSD reinforcement in place of damaged bars.
p. Supplying, fitting and fixing of M.S. shutter with frame with MS angle frame of 35X35X6 mm and shutter section of 30X30X5mm M.S. angle with welding of 25X6mm flat and welding of 16-gauge C.R. sheet with arrangement of clamp, fitting of 3 nos of 4" hinges. 1 no of 2" hinges and 300mm X 16mm M.S. aldrop with 8" tower bolt.

V. The Contractor shall submit a detailed work plan considering for the project completion time frame as mentioned in the tender document.

VI. **Samples:** Contractor shall necessarily submit samples of all finishing materials such as painting and flooring that may affect the look and feel of the project. Submission of samples shall not be limited to the above, and the Employer/ Employer's Representative and Consultant/PMC reserves the right to demand any sample of materials, as deemed necessary. Where samples are required, they shall be submitted by and at the expense of Contractor allowing at least fourteen (14) calendar days for review by Employer/ Employer's Representative and Consultant/PMC unless otherwise shown on the Contract Schedule. The materials represented by such samples shall not be manufactured, delivered to the Site or incorporated into the Work without Employer/ Employer's Representative and Consultant/PMC review.Each sample shall bear a label showing Contractor's name, Work name, Contract number, name of the item, manufacturer's name, brand name, model number, supplier's name, and reference to the appropriate drawing number, technical specification section and paragraph number, all as applicable.Samples, which have been reviewed, may at Employer's option, are returned to Contractor for incorporation into the Work.

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

VII. Mock Up: As deemed necessary by the Employer/Employer's Representative/PMC, Contractor shall execute necessary mock-ups of all items/activities related to the Work performed required under this Contract as indicated below and the cost for the same shall be deemed to be included in the Contract price.

Item	Extent / Size
1. Flooring	50 Sqm Area
2. External Painting	25 Sqm Area

VIII. Documents at Site: The contractor shall maintain in a conspicuous place on the site a copy of development permission and a copy of approved drawings and specifications.

IX. Specifications: In case there are any details of construction or materials which have not been referred to in the specifications, detailed descriptions of items, schedule quantities, or the drawings but which are usual or essential in the true completion of the purpose of the Work, the same shall be deemed to have been included in the price quoted by the contractor. Wherever specifications are not stipulated, the Work shall be as per latest IS specifications and/or directed by the Employer/ Employers Representative and Consultant/OBCC following good Engineering practice.

X. Contractor shall submit Structural stability certificate for 10 years for the repaired structures and components to Employer with his own cost.

XI. For Water proofing / Insulation works. Contractor shall submit warranty certificate for same in approved format. The warranty shall be minimum for 10 years.

XII. The contractor shall comply with all the safety requirements and relevant Government Regulations and ensure their implementation.

XIII. The Contractor shall institute a Quality Assurance and Quality Control (QA/QC) system in accordance with the requirements to demonstrate compliance with the requirements of the Contract. The Contractor shall submit, within 14 days of signing of the Contract Agreement, the required Quality Assurance and Quality Control (QA/QC) Program for approval by the Employer's Representative. The Employer's Representative will either approve the submittal or provide comments thereon to the Contractor within 14 days of submission by the Contractor. The Employer's Representative's, approval, disapproval, comments, or failure to provide any of these to the Contractor, shall in no way relieve the Contractor of any of its obligations or responsibilities under the Contract.

XIV. Weekly/Fortnightly/Monthly Progress Reports, along with photographs depicting the progress achieved in the month, shall be prepared by the Contractor in a format approved by the Employer's Representative and the Employer and submitted to the Employer's Representative. Contractor shall submit Weekly/Fortnightly/Monthly Progress Reports in review meetings for Project Progress and approval.

For The Seal Coat
Structural Works (P) Ltd.
Sangram Kecha Das
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

XV. All debris shall be removed and area to be cleaned properly by the contractor & will be deposited at the approved dumping yard by the contractor at his own cost. The area shall be cleaned before handing over.

XVI. The Construction area shall be well barricaded with hard barrication for safety.

XVII. The Construction area shall be well illuminated for construction during night if required.

XVIII. Electricity for construction and illumination shall be arranged by the contractor at his own expenses.

XIX. Water for construction and site related uses shall be arranged by the contractor at his own expenses.

2E Defect Liability

I. Guarantee for construction defect/ manufacturing defects during defect liability period: Contractor shall guarantee the entire work for period of minimum 36 months after completion of work. Any damage or defect that may arise or that may remain undiscovered at the time of issue of completion certificate connected in any way with the equipment or materials supplied by him or in the workmanship be rectified or replaced by contractor at his own expense as desired by engineer-in-charge or in default may cause the same to be made good by other agency and deduct expenses there of (for which the certificate of engineer-in-charge shall be final) from any sums that may then or any time thereafter become due to contractor or of sale thereof or a sufficient portion thereof. The contractors shall be liable to construction defect/ manufacturing defects.

3. DESIGN DELIVERABLES

Required from the Contractor at least following number of sets for approval of Employer's Representative.

1	Inception report	7 copies
2	Report with details of all Survey including laboratory test (NABL certified Lab)	7 copies
3	Draft Detailed Engineering designs report& Testing report	7 copies
4	Final Detailed drawing, Engineering designs report, Weekly & Monthly Progress Report, Design Basis Report & Testing report	7 copies

Except inception report and progress report, all other design reports listed above shall be submitted by the Contractor to the Employer only after obtaining approval of the same from any National Institute of Repute such as Indian Institute of Technology (IIT)/ National Institute of Technology(NIT)/ Govt. Engineering College

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

at Contractor's own cost. Such approved documents need to be furnished to the Employer within the stipulated datelines as mentioned at Section-4 in the contract data.

4. SCHEDULE FOR COMPLETION OF TASKS

The total period of contract including Survey, Investigation, Design, and Execution will be 5 (five) months (Period Provided in Contract Data). **The defect liability period shall be (**Period Provided in Contract Data**) from the date of completion of the project.**

The project completion milestone is as follows:

Milestone	Description	Schedule of completion
1	Site Investigation	30 days from the date of commencement
2	Design & Approval	45 days from the date of commencement
3	Execution	5 months from the date of commencement

The time period for the design stage is 45 days from the date of commencement. This period includes time period for all types of survey & investigation as listed above, Non-Destructive Tests, draft and final design reports, drawings, technical specifications, methodology of work and all other associated reports and documents.

The reports have to be submitted in the following phasing in the number of copies indicated against each of them.

Sl No	Description	Schedule for completion
1	a)Inception report* b)Submission of application for Statutory Approval/NOC from Dhauli Development Authority.	7 days from the date of commencement
2	Details of all Site Investigation including laboratory test report for Construction Materials and design Mixes from NABL certified Lab	30 days from the date of commencement
3	Draft Design Basis Report including drawings, Civil, detail Engineering Designs, brief technical specifications & methodology, calculations,	45 days from the date of commencement

For The Seal Coat
Structural Works (P) Ltd.
Sangram Kesari Dey
Manager

Sr. Project Manage
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

Sl No	Description	Schedule for completion
	schematic drawings	
4	Quality Management Plan & Environment, Health and Safety Manual.	45 days from the date of commencement
5	Final Structural, Detailed Drawings with detail Engineering Designs and technical specifications & methodology	45 days from the date of commencement
6	Changes during Construction	As and when referred by the Department
7	Monthly Progress Report (As per the format to be provided by Programme Management Consultant)	05th day of Succeeding Month

Note: * Inception report will broadly contain Site Appreciation, Identification of Secondary Data Requirement, Detailed Breakdown of Investigations and Surveys to be carried out and a work program.

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

SECTION 9:

PAYMENT & SCHEDULE

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

For The Seal Coat
Structural Works (P) Ltd.
Sangram Keshari Das
Manager

SECTION –9

1. **Payment Schedule for Dhauli**

SL No	Description of item	Indicative Quantities	Payment %age
1	Carrying out non-destructive tests and submitting the report with recommendation for strengthening measures and On Submission & Approval of Design & Drawings including Structural Repair Report and Providing and fixing Scaffolding of cup lock type shall be erected on a firm base with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps as per prevailing IS codes.	3322 Sqm	7%
2	Removal of unsound concrete parts	946 Sqm	0.5%
3	Application of corrosion inhibitors	946 Sqm	2%
4	Cleaning of corroded reinforcement using chemical rust remover	898 m	0.1%
5	Application of zinc-based epoxy	898 m	0.1%
6	Application of solvent free epoxy resin	946 Sqm	4%
7	Repair excessively damaged members with micro concrete	19 cum	8%
8	Polymer based cement plastering for smooth surface	825 sqm	6%
9	Sealing of cracks	650m	2%
10a)	Grouting by inserting 12mm dia galvanised steel NRV packers for injection grouting in honeycombed area	1500 Locations	2%
10b)	Low viscosity Epoxy Grouting	600 Kg	5%
11	Application of waterproofing compound on exterior surface. Waterproofing membrane based on modified polyurethane technology which contributes to Green Building	3802 sqm	30%

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manage
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

	certification standards		
12	Anti-Carbonation Exterior Painting	4302 sqm	19%
13	Dismantling and replacement of old tiles with good quality anti-skid tiles including base preparation	480 sqm	8%
14	Removing white or colour wash by scrapping and sand papering	2377 sqm	0.2%
15	12mm. thick cement plaster (1:6) for brick work	383 sqm	0.5%
16	Supplying, fitting, and placing uncoated additional HYSD reinforcement in place of damaged bars	10 Qntl	0.5%
17	Supplying, fitting, and fixing of M.S. shutter with frame with MS angle frame of 35X35X6 mm and shutter section of 30X30X5mm M.S. angle with welding of 25X6mm flat and welding of 16-gauge C.R. sheet with arrangement of clamp, fitting of 3 nos of 4" hinges. 1 no of 2" hinges and 300mm X 16mm M.S. aldrop with 8" tower bolt.	3.75 sqm	0.1%
18	On Handover to the Client		5%

Payment may be made on prorated basis on request of the contractor for each individual item in commensurate with progress by the Employer as per Section-5 & Section-8 of RFP. However, in no case, the total cost of payment shall exceed the Lump Sum Contract Value for which the agreement is signed except change in scope, compensation or bonus etc. as admissible as per the contract.

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

For The Seal Coat
Structural Works (P) Ltd.
Manager

SECTION –10

DOCUMENTS TO BE FURNISHED BY BIDDER

1. Documents as specified in Section 1, must be submitted by the Bidder in the Formats mentioned in Section 2 along with the BID.

2. Any other document, if asked by Employer during evaluation, shall be submitted by the bidder.

CHECKLIST OF DOCUMENTS TO BE SUBMITTED IN TECHNICAL BID

	Criteria	Document to be submitted	Reference Page No.
1	Bid Processing Fees	RTGS details	
2	EMD/ Bid Security - Exempted. Bid Security Declaration to be provided	Bid Security Declaration Form as per Section II	
3	Written power of attorney of the signatory of the Bid to commit the Bidder	Copy of power of attorney	
4	Whether Indian firms (Y/N)	Certificate of Incorporation	
5	OEM of waterproofing chemicals or paints for industrial application and/or their Authorized Applicator and/or service provider	Relevant Certificate	
6	Constitution or legal status of Bidder	Incorporation Certificate, Partnership Deed, Trade License, MoA, AoA	
7	Place of registration		
8	Principal place of business		
9	Major items of construction equipment proposed to carry out the Contract	Invoices of equipment / Lease agreement	
10	Qualifications and experience of key site management and technical personnel proposed for the Contract	Detailed CV as per format provided in Section 2	
11	Reports on the financial standing of the Bidder, such as profit and loss statements and auditor's reports for the past five financial years	CA Certificate along with Audited Financial report for the relevant Financial Years	
12	Evidence of adequacy of working capital for this contract [access to line (s) of credit and availability of other financial resources]; Liquid assets and / or availability of fund-based credit facilities/ overdraft facilities	Banker's certificate	
13	Authority to seek references from the Bidder's bankers	Bankers Details	
14	Information regarding any litigation, arbitration, debarment, termination, notice for recession of contract, abandonment of work, etc. resulting from contracts executed or under execution by the bidder within the last five years of bid submission due date of this tender. The information shall include the name of the employer with contact details, description of work, agreement no., status and matter of dispute and/or issues, contact details of	List of litigation, arbitration, debarment, termination, notice for recession of contract, abandonment of work, etc.	

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

	employer		
15	~~Methodology & Programme.~~	~~To be submitted in Cover-III as DBR~~	
16	Bids from Joint venture - Bids from Joint ventures / Consortiums / Association of Parties are not acceptable	To be mentioned in Bidder's letter head	
17	Annual minimum turnover	Turnover from Civil Construction works certified by chartered accountant	
18	The Firm should demonstrate making profit	CA Certificate	
19	Should have valid PAN and GSTIN	Scan copy of valid PAN and GSTIN	
20	Experience of successful completion of works / substantial completion of works (90% of the value of the contract to be considered as substantial completion) as referred in Bid Data Sheet Cl. 4.4.A(b).	Completion Certificate from Competent Authority mentioning all the details as per Bid Data Sheet/TDS Certificate for Pvt Sector Project	
21	Bid Validity Undertaking	Undertaking	
22	Affidavit	Affidavit by the bidder duly signed by the Notary Public and as specified in Section 2,	
23	Design Basis Report	As mentioned in the RFP	

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

For The Seal Coat
Structural Works (P) Ltd.
Manager

VOLUME –II

Odisha Tenders

eProcurement System Government of Odisha

Bid Submission Confirmation

Date : 29-Oct-2021 05:08 PM

Print

Bid Information	
Bid ID :	**1672992**
Bidder Name :	**The Sealcoat Structural Works Private Limited**
Organisation Chain :	Orissa Bridge and Construction Corporation Ltd
Tender Ref No :	27/Tender/OBCC/2021-22
Tender ID :	2021_OBCC_71549_1
Tender Title :	Special repair Structural to the Dhauli Shanti Stupa for the year 2021-22 on Turnkey basis
Bid Submitted Date & Time :	**29-Oct-2021 03:00 PM**

Corporate Tenderer Details			
Login ID:	sealcoatbbsr@sify.com	**User Type:**	Corporate/Bidder
Company Name:	The Sealcoat Structural Works Private Limited	**Registration Number:**	243 OF 2010-11
Registered Address :	43,1 Park Tower, Ekamra Marg, Ganga Nagar, Unit - 6, Bhubaneswar - 751001	**Name of Partners / Directors :**	Nil
City :	BHUBANESWAR	**State :**	Orissa
Postal Code :	751001	**PAN Number:**	AABCT0746N
Company's Establishment Year(yyyy):	2007	**Company's Nature of Business:**	Construction and Repair
Company's Legal Status:	Others	**Company Category :**	Others
Title :	Mr	**Contact Name:**	Biswajit Bhuyan
DOB (Date Of Birth):	19-Dec-1965	**Designation :**	Nil
Correspondence Email:	sealcoatbbsr@gmail.com	**Phone :**	91 - 0674 - 2595059
Mobile:	91-9437011559		

Bank Response On Payment Details	
eProcurement Ref. Number :	**3685311672992**
Bank / UTR Number :	**3303709**
Bank Name :	**ICICI Bank**
Status :	**Success**
Tender Fee in ₹ :	**11,200**
EMD Fee in ₹ :	**0**
Total Fee in ₹ :	**11,200**

Bidder GSTN Details			
S.No	**State Code**	**GST Code**	**GST Name**
1	21	21AABCT0746N1ZE	THE SEALCOAT STRUCTURAL WORKS PRIVATE LTD.

For The Seal Coat Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

Bid Documents

S.No	Packet Type	File Name	Description	File Size (KB)	File Hash
1	Fee/PreQual/Technical	F1.pdf	RC,GST,PAN and other details	1794.00	hGS06gR37onCUgSx7CZKjUHJTdw=
		F2.pdf	Other documents as per RFP	8975.00	iZK/Gqu4a099P9YtL1kKzminUPo=
		F3.pdf	DBR	1785.00	329SMRmnHrvEUxO0MWoJe7/j4Fc=
2	Finance	BOQ_368531.xls	BOQ	237.00	tyyF4FkwQdT1sGSiVkQSvKyR2Uc=

Thanks
Tender Inviting Authority

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

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ଓଡ଼ିଶା ସରକାର

P.W.D. CONTRACTORS

957GT482

REGISTRATION CERTIFICATE

ODISHA STATE

Company Name: THE SEALCOAT STRUCTURAL WORKS PVT LTD

Managing Director Name: BISWAJIT BHUYAN

Type: COMPANY Class: SUPER CLASS

Regd. No.: 957GT482 Valid Upto: 31-03-2022

PRESENT ADDRESS

House No. _____ Habitat/ Street _____

Village/ Local Area Name: WARD NO. 02

GP/ Ward: WARD NO. 02 P.O. _____

Block/ ULB: BHUBANESWAR (MC) P.S. _____

Dist.: KHURDHA State: ODISHA Pin: 751002

Mobile: 9776020238 Email: SEALCOATBBSR@SIFY.COM

For The Seal Coat Structural Works (P) Ltd

Biswajit Bhuyan

Managing Director

Signature of the contractor

18-10-19

Engineer-in-Chief (Civil), Odisha

Chairman of the Committee of C.Es.

& Engineer-in-Chief (Civil), Odisha

Bhubaneswar

www.cdmsodisha.gov.in

True Copy Attested

Jagyneswar Acharya
Notary, Govt. of India
Odisha, BBSR, Dist-Khurda
Regd. No.-7791/2009

For The Seal Coat
Structural Works (P) Ltd.

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

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Government of India

Form GST REG-06

[See Rule 10(1)]

Registration Certificate

Registration Number :21AABCT0746N1ZE

1.	**Legal Name**	THE SEALCOAT STRUCTURAL WORKS PRIVATE			
2.	**Trade Name, if any**	THE SEAL COAT STRUCTURAL WORKS PVT.LTD			
3.	**Constitution of Business**	Private Limited Company			
4.	**Address of Principal Place of Business**	FLAT NO-1, PARK TOWER, EKAMRA MARG,GANGA NAGAR, BHUBANESWAR, Khordha, Odisha, 751001			
5.	**Date of Liability**	01/07/2017			
6.	**Period of Validity**	From	01/07/2017	To	NA
7.	**Type of Registration**	Regular			
8.	**Particulars of Approving Authority**				

Signature

For The Seal Coat Structural Works (P) Ltd

Managing Director

Name	
Designation	
Jurisdictional Office	
9. Date of issue of Certificate	21/09/2017

Note: The registration certificate is required to be prominently displayed at all places of business in the State.

This is a system generated digitally signed Registration Certificate issued based on the deemed approval of the application for registration

True Copy Attested

Jagyneswar Acharya
Notary, Govt. Of India
Odisha, Dist-Khurda
Regd. No. 37/01/2009

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

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स्थाई लेखा संख्या /PERMANENT ACCOUNT NUMBER

AABCT0746N

नाम /NAME

THE SEALCOAT STRUCTURAL WORKS PRIVATE LIMITED

निगमन/बनने की तिथि /DATE OF INCORPORATION/FORMATION

25-08-1997

आयकर आयुक्त, भुवनेश्वर

COMMISSIONER OF INCOME-TAX, BHUBANESWAR

इस कार्ड के खो / मिल जाने पर कृपया जारी करने वाले प्राधिकारी को सूचित / वापस कर दें
आयकर आयुक्त,
15, उद्यान मार्ग,
भुवनेश्वर - 751 009.

In case this card is lost/found,kindly inform/return to the issuing authority :
Commissioner of Income-tax,
15, Udyan Marg,
Bhubaneswar - 751 009.

True Copy Attested
Jagyneswar Acharya
Notary, Govt. of India
Odisha, BBSR, Dist-Khurda
Regd No - 7791/2009

For The Seal Coat
Structural Works (P) Ltd.
Sarjan Kesha Dy
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

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NATIONAL ELECTRONIC FUND TRANSFER (NEFT)/ REAL TIME GROSS SETTLEMENT (RTGS)

(To be filled by Applicant in BLOCK LETTERS)

Bank's Copy

Date: 19/10/21

Sr No.	Details of Beneficiary	
1	E-Proc Ref No	3685311672992
2	Beneficiary Name	GOAB
3	Account No.	GOAB3303709
4	IFSC Code	ICIC0000104
5	Bank	ICICI Bank
6	Branch	ICICI Bank, Mumbai
7	Amount in Rs.	11200.00
8	Amount in words	Rupees Eleven Thousand Two Hundreds Only

1. *It is advised that all bidder make payment via RTGS/NEFT atleast one day in advance to the last day. In the event bidder making payment on the last day and same is not available for the bidder for validation on account of any reason whatsoever, IOCL its banker, or e-procurement service provider or payment gateway service provider would not be held responsible in any manner. In such cases bidder may not be able to submit the tender.*
2. *It is the bidder's responsibility to ensure that RTGS/NEFT payments are made to the exact details as mentioned in the challan. In the event of any discrepancy, payment would not be considered and would not be available for validation of EMD payment.*
3. *Bidder is required to generate challan for every tender since details in the challan are unique to the tender and bidder combination. Bidder is not supposed to use challan generated in one tender for payment against another tender.*
4. *Under no circumstance, including whether the bidder has made duplicate/incorrect payments or correct payments not validated by the bidder for which tender validity has expired, IOCL Division or its Banker or its service providers are under no obligation to disclose the details of payment made by any bidder.*

Remit the amount as per above details, by debiting my/our account for the amount of remittance plus Bank charges.

For The Seal Coat Structural Works (P) Ltd

Customer's Signature

Contact Phone No:

Managing Director

FOR BANK'S USE ONLY

ICICI Bank
BHUBNESHWAR Branch
Plot No. 2130/4711, TKR Complex, Vivekananda Marg, Bhubaneswar – 751002, Odisha
RTGS / NEFT / IFS Code : ICIC0006586

A/C PAYEE

VALID FOR THREE MONTHS ONLY
27 10 2021
D D M M Y Y Y Y

Pay GOAB (A/C - GOAB3303709) OR ORDER

Rupees Eleven thousand two hundred only

₹ 11,200/-

A/c No. 658605000384

CARBL CBS
BUSINESS BANKING : CURRENT ACCOUNT
Payable at par at all branches of ICICI Bank Limited in India

09/9/21

For The Seal Coat Structural Works (P) Ltd

Managing Director
THE SEALCOAT STRUCTURAL W P LT

Please sign above

SESHAASAI (K) / CTS - 2010

⑈751229008⑈ 000384⑈ 29

For The Seal Coat Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.

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We acknowledge receipt of NEFT instruction(s). Reference no. _____

Branch V. Marg, BBSR Name and Signature of Bank Official _____

Bank Seal

ICICI BANK LTD. VIVEKANAND MARG BR.

000116943524

11,200

10/1/22

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

For The Seal Coat
Structural Works (P) Ltd.
Sanjoy Kumar Dey
Manager

0190 28 OCT 2021

भारतीय गैर न्यायिक

भारत

दस रुपये रु.10

TEN RUPEES Rs.10

सत्यमेव जयते

INDIA

INDIA NON JUDICIAL

SPECIAL ADHESIVE

Jagyneswar Acharya
Notary, Govt. Of India
Odisha, BBSR, Dist-Khurda
Regd. No.-7791/2009 BHUBANESWAR

ଓଡ଼ିଶା ଓଡିଶା ODISHA 50AA 507325

BEFORE THE NOTARY PUBLIC

BID SECURITY DECLARATION

I **Sri. Biswajit Bhuyan**, Managing Director of The Seal Coat Structural Works (P) Ltd., son of Sri. Debendra Nath Bhuyan, Permanent Address At. 38, Brahmeswwar Bag, Po-Tankapani Road, Bhubaneswar, Dist-Khurda. At present office at 43 (P) 1, Park Tower, Ganga Nagar, Unit-VI, Bhubaneswar-751 001. Dist-Khurda.

Is hereby solemnly affirm and declare as follows :-

I hereby submit a declaration that the bid submitted for "Special repair (Structural) to the Dhauli Shanti Stupa for the year 2021-22 on Turnkey basis" by the undersigned, on behalf of the bidder, ***The Seal Coat Structural Works (P) Ltd.***, shall not be withdrawn or modified during the period of validity i.e. not less than **120 (one hundred twenty)** days from the bid due date.

I, on behalf of the bidder, ***The Seal Coat Structural Works (P) Ltd.***, also accept the fact that in case the bid is withdrawn or modified during the period of its validity or if we fail to sign the contract in case the work is awarded to us or we fail to submit a performance security before the deadline defined in clause of the ITB, then ***The Seal Coat Structural Works (P) Ltd.***, will be suspended from participation in the tendering process for the works of OB&CC Ltd and all works under Government of Odisha for a period of three year from the bid due date of this work.

For The Seal Coat Structural Works (P) Ltd
Biswajit Bhuyan
Managing Director
Deponent

Identified by,

Advocate, BBSR

/// Sworn before me ///

For The Seal Coat Structural Works (P) Ltd
Biswajit Bhuyan
Deponent
Managing Director

NOTARY GOVERNMENT OF INDIA
Jagyneswar Acharya
Regd No.: 7791/2009
Dist-Khurda
BBSR, Odisha
M-9861006174

Jagyneswar Acharya
Notary, Govt. Of India
Odisha, BBSR, Dist-Khurda
Regd. No.-7791/2009
Mob:- 9861006174

For The Seal Coat
Structural Works (P) Ltd.
Sanjay Kumar Dy
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.

0191

28 OCT 2021

भारतीय गैर न्यायिक

भारत

दस रुपये

TEN RUPEES

रु.10

Rs.10

INDIA

INDIA NON JUDICIAL

Jagyneswar Acharya
Notary, Govt. of India
Odisha, BBSR, Dist-Khurda
Regd. No.-7791/2009
Mob:- 9861006174

ओड़िशा ओडिशा ODISHA

51AA 615124

BEFORE THE NOTARY PUBLIC **BHUBANESWAR**

STANDARD AFFIDAVIT

I **Sri. Biswajit Bhuyan**, Managing Director of The Seal Coat Structural Works (P) Ltd., son of Sri. Debendra Nath Bhuyan, Permanent Address At. 38, Brahmeswwar Bag, Po-Tankapani Road, Bhubaneswar, Dist-Khurda. At present office at 43 (P) 1, Park Tower, Ganga Nagar, Unit-VI, Bhubaneswar-751 001. Dist-Khurda.

Is hereby solemnly affirm and declare as follows :-

1. That, I am the deponent of this affidavit.
2. I, the undersigned, do hereby certify that all the statements made in the required attachments are true and correct.
3. The undersigned also hereby certifies that neither our firm **M/s. The Seal Coat Structural Works (P) Ltd., nor any of its constituent partners** have abandoned any Road/ Bridge/ Irrigation/ Buildings or other project work in India nor any contract awarded to us for such works have been rescinded during the **last five** years prior to the date of this bid.
4. The undersigned hereby authorised and request (s) any bank, person, firm or Corporation to furnish pertinent information as deemed necessary and as requested by the Department to verify this statement or regarding our competency and general reputation.
5. The undersigned understands and agrees that further qualifying information may be requested and agree to furnish any such information at the request of the Department / Project implementing agency.
6. That this Affidavit is required to be produced before the concerned authority for the work of "Special repair (Structural) to the Dhauli Shanti Stupa for the year 2021-22 on Turnkey basis".

Identified by,

Advocate, BBSR

For The Seal Coat Structural Works (P) Ltd

Biswajit Bhuyan

Deponent

Managing Director

For The Seal Coat Structural Works (P) Ltd.

Sangram Kumar Dey

Manager

NOTARY GOVERNMENT OF INDIA

Sworn before me

Jagyneswar Acharya
Regd No.: 7791/2009
Dist-Khurda
BBSR, Odisha
M-9861006174

For The Seal Coat Structural Works (P) Ltd

Biswajit Bhuyan

Deponent

Managing Director

Jagyneswar Acharya
Notary, Govt. of India
Odisha, BBSR, Dist-Khurda
Regd. No.-7791/2009
Mob:- 9861006174

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

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THE COMPANIES ACT, 1956

COMPANY LIMITED BY SHARES MEMORANDUM & ARTICLES OF ASSOCIATION OF

THE SEALCOAT STRUCTURAL WORKS PRIVATE LIMITED

For The Seal Coat Structural Works (P) Ltd

Managing Director

True Copy Attested

Jagyneswar Acharya
Notary, Govt. Of India
Odisha, ESSR, Dist-Khurda
Regd. No-7733/2008

For The Seal Coat Structural Works (P) Ltd.

Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

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सत्यमेव जयते

प्रा०प० आई० आर०

Form I.R.

निगमन का प्रमाण पत्र

CERTIFICATE OF INCORPORATION

ता० ..... की स० .....

No. 15-05046 ..... of 19 1997-98 .....

मैं एतद द्वारा प्रमाणित करता हूँ कि आज .....

.....

कम्पनी अधिनियम 1956 (1956 का स० 1) के अधीन निगमित की गई है; और वह कम्पनी परिसीमित है।

I hereby certify that THE SEAL COAT STRUCTURAL WORKS PRIVATE LIMITED.

is this day incorporated under the Companies Act, 1956 (No. 1 of 1956) and that the Company is limited.

मेरे हस्ताक्षर से आज ता० ..... को दिया गया।

Given under my hand at CUTTACK this TWENTYFIFTH day of AUGUST One thousand nine hundred and NINETYSEVEN.

25.08.1997

(P. K. ACHARJEE)

कम्पनियों का रजिस्ट्रार, उड़ीसा

Registrar of Companies,

Orissa

Registrar of Companies (Orissa)

जे० एस० सी०-1

J.S.C.-1

True Copy Attested

Jagyneswar Acharya
Notary, Govt. Of India
Odisha, Begar, Dist-Khurda
Regd. No.-7791/2009

For The Seal Coat Structural Works (P) Ltd

Beswajit Bhuyan

Managing Director

For The Seal Coat Structural Works (P) Ltd.

Sarjom Kerketta

Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.

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THE COMPANIES ACT.1956
(1 of 1956)
COMPANY LIMITED BY SHARES

MEMORANDUM OF ASSOCIATION OF

THE SEAL COAT STRUCTURAL WORKS PRIVATE LIMITED

I. The name of the company is THE SEAL COAT STRUCTURAL WORKS PRIVATE LIMITED.

II. The Registered Office of the Company will be situated in the State of ORISSA

III. The objects for which the company is established are :-

A) MAIN OBJECTS TO BE PURSUED BY THE COMPANY ON ITS INCORPORATION ARE :-

1) To take over the assets and liabilities of 'Sealcoat' a proprietory concern

2) To carry on in India or elsewhere the business of repairs and maintenance works on all type of concrete structures, steel structures, earth including guniting, soil grouting, short concreting, sand blasting, cement and epoxy grouting, water proofing treatment, soil stabilization, repairs and maintenance of roads, dams, bridges, buildings, canals, tunnels, ports, air ports.

3) To construct, errect, build, repair, re-model, demolish, develop, improve, grades, curve, pave, macadamize, cement and maintain buildings, structures, places of worship, highways, roads, paths, streets, sideways, courts, alleys, pavements and to do other similar construction, levelling or paving work and for these purposes to purchase, take on lease, or otherwise acquire and hold any lands and prepare lay-out thereon or buildings of any tenure or description whereever situate, or rights or interests therein or connected therewith subject to compliances of existing laws inforce

True Copy Attested
Jagyneswar Acharya
Notary, Govt. Of India
Odisha, BBSR, Dist-Khurda
Regd. No.-7791/2009

For The Seal Coat Structural Works (P) Ltd.
Managing Director

For The Seal Coat Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

B) OBJECTS INCIDENTAL OR ANCILLARY TO THE ATTAINMENT OF THE MAIN OBJECTS :-

1) To apply for purchase or otherwise aquire, any patents, brevets d' invention licences, concessions and the like conferring any exclusive or non-exclusive or limited rights to use, or any secret or other information as to any invention which may seem capable of being used for any of the purposes of the Company, or the acquisition of which may seem calculated directly or indirectly to benefit the Company and to use, exercise, develop or grant licences in respect of or otherwise turn to account the property, rights or information so acquired.

2) To purchase, sell, import, export, manufacture, repair, assemble or otherwise deal in all machinery which may appear to be necessary or convenient or incidental to any business of the Company.

3) To develop and turn to account any land acquired by the company or in which it is interested, and in particular by laying out and preparing the same for building purpose, constructing, pulling down decorating, maintaining, furnishing, filling up and improving buildings, and by planting, paving, draining, farming, cultivating, letting on building lease or building agreement and by advancing money to and entering in to contracts and arrangements of all kinds with builders, tenants and others

4) To enter into any arrangement for sharing profits, union of interest co-operation, joint venture, reciprocal concession, agency or otherwise with any company (whether promoted or formed by the company or not) carrying on or engaged in or about to carry on or engage in any business or transaction which the company is authorised to carry on or engage in any business tranction capable of being conducted so as directly to benefit the Company and to lend money to guarantee the contracts of, or otherwise assist any such person or company and to take or otherwise acquire (and whether by origional application or otherwise) shares and securities of any such company, and to sell hold , re-issue with or without guarantee or otherwise deal with same for the attainment of its objects but the company shall not carry on as Investment Compay.

5) To enter into any arrangement with any, Government, Central, State, Local, or forgein or authority, Supreme, Municipal, local or otherwise, or body corporate, firm or person, that may seem conducive to the Company's objects or any of them, and to obtain from such Government authority, body corporate, firm or person, any concession, grants, decrees, rights, subsidies, loans, indemnities, sanctions protections, charters , contracts, licences, powers and privileges whatsoever, which the company may think it desirable to obtain and to carry out, exercise and comply with the same.

6) To sublet all or any contracts from time to time and upon such terms and conditions as may be thought expedient.

7) To apply for tender, purchase, or otherwise, acquire any contracts, cub-contracts, licences and concessions for or in relation to the object or business herein mentioned or any of them , and to undertake, excute, carry out dispose of or otherwise turn to account the same.

8) To utilise, develop, carry on, manage, control and turn to account any business, property or rights of the company whether by employing the same in any other business of the Company or by working, using, carrying on and turning to account the same as a separate undertaking.

9) Subject to provisions of the companies act 1956 and rules made thereunder to borrow or raise money or to receive money on deposit for the purposes of the Company, in such manner and upon such terms as may seem expedient, and to secure the repayment there of and of moneys owing or obligations incurred by the company, and to create, issue and allot redeemable or irredeemable bonds, mortgage or other instruments, mortgage debentures(such bond or debentures being made payable to bearer or otherwise and issuable or payable either at par,

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Notary Govt. Of India
Odisha, BBSR, Dist-Khurda
Regd. No.-7791/2009

For The Seal Coat Structural Works (P) Ltd.
Manager

For The Seal Coat Structural Works (P) Ltd
Managing Director

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.

premium, discount, or as fully paid), and for any such purposes to change all or any part of the property and profits of the Company both present and future including its uncalled capital.

10) To negotiate loans for the Company or other persons or bodies, to lend moneys, securities and other properties, to draw, make, accept, issue, endorse, discount, bye, sell and deal in bills of exchange, promissory notes, hundies, drafts, bills of lading, warrants, and other negotiable or transferable instruments and all kinds of securities and to becomes sureties guarantors for any such purpose.

11) To invest any money of the company not immediately required for the purposes of its business in such manner as may be thought fit, and to lend money to such parties and on such terms, with or without security, as may be thought to be for the interest of the Company, and in particular to customers of the persons having dealing with the Company or to companies, firm or persons carrying on any business which may be useful or beneficial to this Company but the company shall not carry on the business of Banking as defined under the Banking Regulation Act 1949.

12) To amalgamate with any company or companies having objects altogether or in part similar to those of this Company, or to sell, exchange, lease, underlease, surrender, abandon, amalgamate, sub-divide, mortage or otherwise deal with either absolutely, conditionally or for any limited interest, all or any part of the undertaking, property, rights or privileges of the Company, as a going concern or otherwise, or to with any public body, corporation, company, society, or association, or to any person or persons, for such consideration as the Company may think fit, and in particular for any stock, shares (whether wholly or partly paid), debentures, debenture stock, securities or property of any other company, subject to provisions of the Companies Act 1956.

13) To pay out of the funds of the Company all or any expenses which the Company may lawfully pay of and incidental to the promotion, formation, organisation, registration, advertising, and the establishment of this or any such other Company as is mentioned in paragraph(12) above and to the issue and subscription of the share or the loan capital, including brokerage and commission for obtaining application for, or placing or guaranteeing the placing of the shares or any debentures stock or other securities of this or any such other Company and also all expenses attending the issue of circulers, reports, plans or notices, or the printing stamping and circulating or proxies of forms to be filled of by the members of this Company for attaining its objects.

14) To distribute any of the access or property of the Company among the members in species or otherwise but so that no distribution amounting to a reduction of capital be made without the sanction of the Court where necessary.

15) To insure any of the properties, undertakings, contracts, guarantees or obligations of the Company of every nature and kind in any manner whatsoever.

16) To promote, carryon maintain and develop, trade of all kinds and trade, industrial, commercial and financial relations of every kind and description in all matters connected with the main objects of the Company.

17) To obtain any order or Act of Legislature of Parliament for enabling the Company to obtain all powers and authorities necessary or expedient to carry out or expend any of the objects of the Company or for any other purpose which may seem expedient and to oppose any proceeding or applications which seem calculated directly or indirectly to prejudice the Company's interest.

18) To pay out of the funds of the Company all expences which the Company may lawfully pay with respect to the formation and registration of the Company or the issue of its capital, including brokerage and commission for obtaining applications for or taking planning or underwriting or procurring the underwriting of shares, debentures or other securities of the Company.

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For The Seal Coat Structural Works (P) Ltd.

Manager

For The Seal Coat Structural Works (P) Ltd

Managing Director

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.

19) To subscribe, contribute, pay, transfer or guarantee money for or to delegate, donate present or otherwise dispose of either voluntarily or for value, any money or properties of the Company to or for the benefit of any national, charitable benevolent, religious, scientific, public, local, general or useful objects, purposes or institutions to or for any exhibition or for any purpose which may be considered likely directly or indirectly to further the objects of the Company or the interests of its members. No contribution/donation shall, however, be made to any political party or for political purpose.

20) To refer all questions, disputes or differences arising between the Company and any other person whosoever (other than a Director of the Company) in connection with or in respect of any matter relating to the business or affairs or the Company to arbitration in such manner and upon such terms as the Company and such other person may mutually agree upon in each case and such reference to arbitration may be in accordance with the provisions of the Indian Arbitration Act or the Rules of the International Chamber of Commerce relating to arbitration or otherwise.

21) In furtherance of the aforesaid and other objects of the Company among other things, to pay to any person or Company, firm or body coporate such remuneration and fees and otherwise recompense them for their time and for the services rendered by them and their directors as promoters of the Company.

22) To acquire and undertake the whole or any part of the business, property and liabilities of any person or Company, carrying on any business which the Company is authorised to carry on, or possessed of property suitable for the purpose of this Company or which can be carried on in conjuction there with or which is capable of being conducted so as directly or indirectly to benefit the Company.

23) To carry on any other trade, business or undertaking which may seem to the Company capable of being conveniently carried on in connection with any of the Company's objects or calculated directly or indirectly to enhance the value of or render profitable any of the Company's property or rights or which it may be advisable to undertake with a view to improving, developing rendering valuable or turning to account any property movable or immovable belonging to the company or in which the Company may be interested.

24) To arrange for marketing and sale of the products and by products of the Company and of such raw material, goods and article remaining in its possession as are normally necessary for carrying on the business of the Company but are not immediately required for use by it, and for that, purpose either to establish its own shop, agencies or marketing organisations or to appoint selling agents and/or distributors (whether individuals, firms or bodies corporate) in any terms and conditions of their appointment and to pay remuneration to such selling agents and/or distributors by way of such commission or in such other manner as the company may deem fit.

25) To guarantee the payment of money unsecured or secured by or payable under or in respect of promissory notes, bonds, debentures, debenture-stock , contract., mortgages, charges, obligations, instruments and securities of any company or of any authority, supreme, municipal local of otherwise or of any persons whomsoever whether incorporated or not incorporated, and generally to guarantee or become sureties for the performance of any contracts or obligations.

26) To promote any other company for the purpose of acquiring all or any of the property and liabilities of the company or for any other purpose which may seem directly or indirectly calculated to benefit the Company.

C) OTHER OBJECTS :-

1) To carry on the businesss of builders, Contractors, Dealers in and manufacturers of pre-fabricated and pre-cast houses, buildings and errections and materials, tools, implements,

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For The Seal Coat Structural Works (P) Ltd.
Manager

For The Seal Coat Structural Works (P) Ltd
Basudev Bhuyan
Managing Director

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.

machinery and metalware in connection therewith or incidental thereto and to carry on any other business that is customarily, usually and conveniently carried on therewith.

2) To purchase acquire, take on lease or in exchange or in any other lawful manner any area, land, buildings, structures and to turn the same in to account develop the same and dispose of or maintain the same and to build townships, markets or other buildings, residential and commercial or conveniences thereon and to equip the same or part thereof with all or any amenities or conveniences and to deal with the same in any manner whatsoever.

3) To acquire by purchase or otherwise and to carry on the business of estate owners, cultivators, planters, growers and manufacturers or sellers and dealers in tea, cofee, cardamom, pepper, spices, rubber, coconuts, cashew, sugar, silk, sericritural and horticultural products and to carry on the business of plantations of all type of trees including teak, pine, eucalyptus, rose, sal subject to compliances of the provisions under the companies Act/RBI/SEBI guidelinesfrom time to time.

4) To purchase, sell, develop, take in exchange or on lease, hire or otherwise acquire, whether for investment or sale or working the same, any real or personal estate including lands, mines, business, building, factories, mill, house, cottages, shops, depots, warehouses, machinery, plant stock in trade, mineral rights, concessions, privileges, licences, easement or interest in or with respect to any property whatsoever for the purpose of the company in consideration for a gross sum or rent or partly in one way and partly in the other or for any other consideration for a gross sum or rent or partly in one way and partly in the other or for any other consideration and to carry on business as propietors of flats and buildings and to let on lease or otherwise apartments therein and to provide for the conveniences commonly provided in flats, suites and business quarters.

5) To carry on the business of trading in all type of building materials including prestressed concrete and steel structuresand to act as designers and consultants in the designing of prestressed concrete structures, brick structures, timber structures, steel structure and structures and products made up from any materials whatsoever suitable for or used in connection with building and construction work.

6) Subject to the provisions of the Companies Act,1956 to carry on all kind of agency business including that of clearing Agents, Freight contractors, steamer Agents, Forwarding Agents, licencing Agents and General brokers.

7) To carry on the business as hoteliers, hotel proprietors, hotel managers and operators, refreshment contractors and caterers, restaurant keepers, refreshment room proprietors, cafe and tavern proprietors, lodging house proprietors, ice-cream merchants, milk manufacturers and merchant bankers, confectioners, licenced victuallers, wine and spirit merchants, blenders and bottlers.

IV) The liability of the members of the Company is limited.

V) The authorised share capital of the Company is Rs.10,00,000/- (Rupees Ten Lacs) divided into 1,00,000/-(One lac) equity shares of Rs.10/- (Rupees Ten) each, with power to increaseor decrease the capital to divide the share capital into several classes and to attach thereto respectively such preferential, deferred, qualified on special rights, privileges or conditions as may be determined by or in accordance with the regulations of the Company and to vary modify or abrogate in such rights, privileges or conditions, in such manner as may be provided by regulations of the company and to consolidate or subdivide the shares and issue shares of higher or lower denomination.

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Regd. No.-7791/2009

For The Seal Coat Structural Works (P) Ltd
Bibekananda Bhuyan
Managing Director

For The Seal Coat Structural Works (P) Ltd.
Sanjoy Kelo
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.

We the several persons, whose names and addresses are subscribed below are desirous of being formed into a company in pursuance of this **MEMORANDUM OF ASSOCIATION** and respectively agree to take the number of shares in the capital of the Company set opposite our respective names.

Sl. No.	Signature,Address, Occupation & father's name of each subsc-riber	No. of Equity shares taken by each subs-criber	Signature,Address,Occupation & father's name of each witness
01.	Biswajit Bhuyan S/O Debendra nath Bhuyan 38, Brahmeswar Bagh, Tankapani Road, Bhubaneswar - 751002 OCC : Business	100 (One Hundred)	Witness to all the signatories :- Uttam Kumar Mohapatra S/o Late Ghanshyam Mohapatra 237, Bapuji Nagar, II Floor, Bhubaneswar - 751009 . Occupation : Chartered Accountant in practice
02.	Barnali Bhuyan W/o Biswajit Bhuyan 38, Brahmeswar Bagh, Tankapani Road, Bhubaneswar - 751002 OCC : Business	100 (One Hundred)	
		200 (Two Hundred)	

Place : Bhubaneswar
Date : 25th August, 1997

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Jagyneswar Acharya
Notary, Govt. Of India
Odisha, BBSR, Dist-Khurda
Regd. No.-7791/2009

For The Seal Coat Structural Works (P) Ltd
Biswajit Bhuyan
Managing Director

For The Seal Coat
Structural Works (P) Ltd.
Sayron Keshari Dey
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.

0200

THE COMPANIES ACT, 1956
(1 OF 1956)
COMPANY LIMITED BY SHARES

ARTICLES OF ASSOCIATION
OF
THE SEAL COAT STRUCTURAL WORKS PRIVATE LIMITED

PRELIMINARY

1) Subject as hereinafter provided, the Regulations contained in the Table 'A' in the first schedule to the Companies Act, 1956 (hereinafter called the Said Act) shall apply to this Company in case of any conflict between the provisions. contained herein and the incorporated Regulations of the said Table 'A' the provisions herein contained shall prevail.

2) The Company is a private company within the meaning of section 3(I) (iii) of the said Act and accordingly.

(a) no invitation shall be issued to the public to subscribe for any shares in or debentures of the company.

(b) the number of members of the company (exclusive of persons who are in the employment of the company and persons who having been formerly in the employment of the company were members of the company while in that employment and have continued to be members after the employment ceased) shall be limited to fifty, provided that for the purpose of this provision where two or more persons hold one or more shares in the company jointly they shall be treated as a single member, and

(c) the right to transfer the shares of the company is restricted in the manner hereinafter appearing.

CAPITAL

3) The authorised share capital of the company is Rs.10,00,000/- (Rupees Ten lacks) only divided into 1,00,000/- (One lack) equity share of Rs. 10/- (Rupees Ten) each with power to increase or decrease the same and with power to issue any shares in the new capital with any preference or priority in the payment of dividends or the distribution of assets or otherwise, or any other shares

For The Seal Coat Structural Works (P) Ltd.
Sanjoon Kesh
Manager

Jagannaswar Acharya
Notary, Govt. Of India
Odisha, BBSR, Dist-Khurda
Regd. No.-7791/2009

For The Seal Coat Structural Works (P) Ltd
Basudev Bhuyan
Managing Director

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd

and to vary provide the missing words the regulations of the company so far as necessary to give effect to any preference or priority and upon the sub-division of shares to apportion the right to vote in manner as between the shares resulting from such division.

SHARES AND CALL OF SHARES

4) The shares shall be under the control of the Directors who may allot and issue the same to such persons and on such terms as the Directors think fit, subject to the articles thereof

5) The share certificate shall be issued in such manner as may be prescribed by the Act from time to time.

6) If two or more persons are registered as being joint holders, any one of such, persons may give effective receipts for any dividends or other moneys payable in respect of such shares of that class

7) If at any time the share capital is divided into different classes, the rights, attached to any class (unless, otherwise provided by terms of issue of shares of that class) may be varied subject to the provisions of Section 106 of the said Act, by a special resolution of the share-holders holding shares of that class.

8) The company in General meeting may after the condition of its Memorandum pursuant to Sec. 94 of the said Act

9) a) the Board of Directors may, subject to the provisions of these articles form time to time make such calls upon the members in respect of all monies unpaid on their shares as they may think, fit, provided that fourteen days notice at least is given for each call and each members shall be liable to pay the amount of every call so made upon him to the persons in the manner and at the time and place appointed by the Board of Directors. A call may be revoked or postponed at the discretion of the Board.

b) any sum which by the terms of allotment of share is made payable upon allotment or at any fixed date whether on account of the nominal of the share or by way of premium shall for all purposes, of these articles be deemed to be a call, duly made and payable on the date fixed for payment and in case of non-payment the provisions of these articles as to payment of interest, and expenses and the like and all other relevant provisions of these acticles shall apply, as if such sums were calls duly made and notified as hereby provided

10) The Directors, in their absolute, and uncontrolled discretion and without being bound to give any reason, refuse to register the transfer of any share to any person whom it shall in their opinion, not be in the interest of this Company to admit to membership but such right to refusal shall not be exercisable in the case on any transfer made pursuant to article 18 thereof except for the purpose of ensuring that the number of members dose not exceed fifty.

11) No share in any circumstances by transferred to any insolvent or a persons of unsound mind and no share other than fully paid-up shares shall be transferred to a minot through his guardian.

12) No share be transferred to any person who is not a member of the company so long as any member is willing to purchase the same at the valuation to be determined as hereinafter provided.

13) The person proposing to transfer the shares (hereinafter called in proposing transferor) shall give notice in writing to the company of his intention to sell his share(s). Every such notice (hereinafter called the sale notice shall specify the donation number of share proposed to be sold and shall constitute the company as his agent for the sale of such shares to any member of the company at the fair value. The company shall communicate the notice of sale to each of its members. No sale notice once given be withdrawn except with the sanction of the Directors

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Notary, Govt. Of India
Orissa, BBSR, Dist-Khurda
Regd. No.-7791/2009

For The Seal Coat Structural Works (P) Ltd.
Manager

For The Seal Coat Structural Works (P) Ltd
Managing Director

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.

14) If the Company shall within the calendar month form the service of sale notice finds a member willing to purchase any share stated therein and give notice thereof to the proposing transferor, he shall be bound on payment of fair value to transfer the shares to such purchasing members. He shall be bound on payment of fair value to transfer the shares to such purchasing members.

15) The fair value aforesaid shall be ascertained as follows

On receiving a notice from any member of his intention of sale, the matter would be referred to the Auditors of the Company for ascertaining the fair value on last approved Balance-sheet and Profit and Loss account with proper consideration of Existing and perspective nature of the Company's business, goodwill etc. That fair value so determined by the Auditors shall be final and binding and in so determining the Auditors shall be considered to be acting as experts and not as arbitrators and accordingly the arbitration Act shall not apply.

16) In the event of the proposing transferor failing to carry out the sale of any shares which he shall have become bound to transfer as aforesaid, the Directors may in his name execute a transfer and give a good receipt for the purchase price of such shares and may register the purchasing member as holder thereof, and issue to him a certificate for the same and there upon the proposing transferor in such case be bound to deliver his certificate for the said shares and on such delivery shall be entitled to receive the said purchase price without interest and if such share certificate shall comprise any share which he has not become bound to transfer as aforesaid, the Company shall issue to him share certificate for the remaining shares.

17) If the company shall not within the time of one calendar month after being served with a sale notice, finds a member willing to purchase the share and gives notice in the manner aforesaid the proposing transferor may at any time thereafter, sell his shares to any person and at any price within three months.

18) The executors or administrators of a deceased member (not being one of the several joint holders) shall be the only persons recognised by the Company as having title to the shares registered in the name of such member and in case of death of any one or more of the joint holders of any registered shares, the survivor or survivors shall be only person recognised by the company having any title to or interest in such shares.

FORFEITURE OF SHARES

19) Regulation 29 to 35 (both inclusive) of Table 'A' in the first schedule to the said Act shall apply

20) Forfeiture of shares shall include of dividends declared in respect of the forfeited shares and not actually paid before the forfeiture subject of Section 205 A of the Act.

21) The company shall have first and paramount lien upon all the shares (not being fully paid-up registered in the name of each member whether solely or joint by with others) and upon the proceeds of sale thereof for his debts, liabilities and engagements (whether presently payable or not) solely or jointly with any other person to or with the company whether the period for the payment or discharge thereof shall have actually arrived or not and such lien shall extend to all dividends from time to time declared in respect of such shares. The Board of Directors may at any time declare any share to be wholly or in part exempt from the provision of this article.

REGISTRATION ON EXERCISE OF VOTING RIGHT OF MEMBERS WHO HAVE NOT PAID CALLS ETC.

22) No member shall exercise any voting rights in respect of shares registered in his name on which any calls or other sums presently payable by him have not been paid or in regard to which the company True Copy Attested

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Regd. No.-7791/2009

For The Seal Coat Structural Works (P) Ltd.
Manager

For The Seal Coat Structural Works (P) Ltd
Besuget Bhuyan
Managing Director

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.

DIRECTORS

23) The number of Directors of the company shall be not less than two and not more than twelve.

24) The following persons are the first Directors of the Company.

1. MR. BISWAJIT BHUYAN
2. MRS. BARNALI BHUYAN

25. At the annual general meeting in each year, one third of the director for the time being liable to retire by rotation or if their number is not three or a multiple of three then the number nearest to one third shall retire from office but shall be eligible for re-appointment . A director retiring at a meeting shall retain office until the close of the meeting or close of the adjourned meeting.

26) The directors to retire in every year shall be those who have been longest in office since their last election but as between persons who became directors on the same day those to retire shall (unless they otherwise agree among themselves) be determined by lot.

27) If at any meeting at which an election of directors ought to take place, the place of the retiring directors are not filled up the meeting shall stand adjourned till the same day in the next week at the same time and place, and if, at the adjourned meeting the places of the retiring directors have not been filled up the retiring directors or such of them as have not had their place filled up shall be deemed to have been reelected at the adjourned meeting.

28) The Board of Directors may appoint one or more persons as Managing Director(s) of the Company and fill in subsequent casual vacancy occurring in these posts. Managing Director(s) so appointed shall, subject to the provisions of Section 292 of the Act and subject to the superintendence and control of Board of Directors, have powers to manage whole of the affairs of the Company and such appointment as a Managing Director may be made on such remuneration and for such period and upon such terms and conditions as the Board of Director may deem fit.

29) If at any time the Company obtain any loans or any assistance in connection therewith by way of guarantee or otherwise from any person, firm, body corporate, local authority, public body or financial institution (hereinafter called the institution) or if the institution holds any shares in the company in consequence of its exercising any option for conversion of a part of any of its loans to the company or if at any time the company issues any shares debentures or debentures stocks and/or enters into any contract or arrangement with the institution whereby the institution subscribes for shares or debentures or debentures stock or provides any assistance to the company in any manner whatsoever and it is a term of the relative loan deed, subscription assistance, contract or arrangement that the institution and/or the trustees or the holders of the debentures or debenture stock, as the case may be shall have the right to appoint one or more director or directors to the Board then subject to the terms and conditions, of such loan, trust deed, subscription, assistance contract or arrangement the institution and or the trustees or the holders of the debentures or debenture stocks as the case may be shall be entitled to appoint one or more Director or Directors, as the case may be to the Board and to remove from office any director so appointed and to appoint another in his place or in the place of a Director so appointed who resigns or otherwise vacates his office. The Director or directors so appointed shall neither be required to hold any qualification share nor be liable to retire by rotation and shall continue in office for so long as the relative loan, trust deed, assistance, contract or arrangement as the case may be subscriber for so long as the institution shall hold any share in the company by reason aforesaid.

30) No share qualification shall be necessary for any individual for being appointed as Director of the Company.

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For The Seal Coat Structural Works (P) Ltd.
Manager

For The Seal Coat Structural Works (P) Ltd
Biswajit Bhuyan
Managing Director

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.

31) The Board of Directors shall also have power to appoint Additional Director to fill up the vacated office by electing the like number of persons to be Directors.

32) The Board shall have power to appoint an alternate Director to and for a Director during his absence for a period of not less than three months from the State in which meeting of the Board are ordinarily held and the provisions of section 313 of the said ACT shall apply to such appointment.

33) Each Director shall be paid out of the funds of the Company as sitting fees such sum not exceeding Rs 250/- as may be decided upon by the Board from time to time for every meeting of the Directors or its committee at which he shall be present.

34) The Directors may allow and pay to any Director, who for time being, is resident out of the place at which any meeting, or committee meeting, or committee meeting of the Directors are held and who come to that place for the purpose of attending such meeting such as the Directors may consider fair and reasonable for his expenses incurred in connection with his attending the meeting in addition to remuneration specified above. The Director may also be paid or reimbursed all travelling hotel and other expenses reasonably incurred by him in connection with the business of the company.

35) No Director shall be disqualified from his office by contracting with the company nor shall any sub contract entered into by or on behalf of the company in which any Director shall in any way be interested be avoided, nor shall any Director so contracting or being so interested be liable to account to the Company for any profit realised by any such contract by reason only of such Director holding such office of the fiduciary relation there by established but the nature of his interest should be disclosed at the meeting of the Board at which the contract is first taken into consideration if his interest is then existing or in any other case at the first meeting of the directors after the acquisition of the interest.

36) If and when debentures of the company are issued, the holders thereof shall have the right to appoint and from time to time remove and appoint a Director's in accordance with the provisions of the Trust deed securing the said debentures. The Directors appointed under this Article shall be called as the Debenture Director and the term 'Debenture Director' means the Director for the time being in office under this Article.

CHAIRMAN

37) The Board of Directors shall elect one amongst themselves as the Chairman who shall preside over all the meetings of the Board and of the Company. In the absence of the Chairman, the Managing Director shall act as the Chairman. The Chairman shall have such powers as the Board from time to time delegate to him as he shall have a casting vote.

38) The Managing Director may on his own motion and shall upon request of any Director at any time convene meeting of the Board of Directors.

39) The Directors may from time to time subject to Section 292 of the said Act earnest to and confer upon the Chairman, Managing Director and other Directors such of the powers exercisable under there presents by the Directors as they may think fit and may confer such power with such restriction as they think fit and expedient and they may from time to time remove, withdraw, alter or vary all or any of such powers.

40) Subject to the general control of the Board of Directors, Managing Director shall have full control management, superintendent and conduct of the business affairs, concerns and things of the Company and to do all other things necessary expedient to be done for properly and efficiently conducting the business of the company, subject to as aforesaid the Managing Director shall have the duty powers and authority on behalf of the Company.

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For The Seal Coat Structural Works (P) Ltd.
Bangram Kumar Dey
Manager

For The Seal Coat Structural Works (P) Ltd
Beswajit Bhaya
Managing Director

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.

a) to make, purchase, provide maintain, keep up or sell, such lands, buildings machinery, plant implements, stock or material for carrying out the object specified in the Memorandum of the company and to sell mortgage or dispose of the property and claims of the company.

b) to have full control over the assets of the company and to execute, sign, acknowledge prepare and register all deeds, agreements, contract arrangements, receipts and other documents and writing and to give effectual discharge on behalf of and against the Company.

c) to draw make accept endorse, discount, negotiate, execute and issue promissory notes, bills of securities, bills of leding, warrants and other negotiable or mercantile or transferable instruments in connection with the business of the company.

(d) to borrow or lend from time to time such sum of money at such interest, for such period and on such terms with or without security and to secure payment thereof with interest by mortgage or by bonds, promissory notes, bill, hundies and other negotiable securities from any person, or persons whether shareholder or not, subject to and within the limits as shall be prescribed by the Board Directors in terms of Section 292 of the said Act.

e) to institute, conduct, defend, compound, adjust refer to arbitration, abandon any legal or other proceedings, claims or disputes by or against the company its directors, Office or employees concerning the affairs of the company and to sign and verify all statements execution, petitions affidavits etc.

f) to appoint from time to time and at any time to suspend, dismiss, remove or discharge such legal advisors, expert, clerks, accountants, engineers and other person or employees and with such powers and duties and upon such terms as to duration of office remuneration or otherwise as the Managing Director shall think proper, subject to the ratification by the Board of Directors.
g) to insure or keep insured all or any of the buildings, goods, stores or other property or any security of the company.

h) to appoint agents for purchase of raw materials, articles and things that may be required by the Company.

i) to carry out such transaction as he considers expedient in the interests of the company and to make all such arrangements and to do such acts and things on behalf of the Company as may be necessary, desirable or expedient in the management of the business and affairs of the company or in carrying out its objects and as are not required by the provisions of law or by these articles to be done by the Director or the company at a general meeting.

j) to act on behalf of the company in all matters relating to bankruptcy and insolvent.

REMUNERATION TO DIRECTORS

41) The Board may determine the remuneration, perquisites and such benefits to the working directors either on monthly, quarterly or annual basis or a commission or a percentage of net profits of the Company, subject to the complience of section 314 of the said Act.

PROCEEDING OF DIRECTORS

42) Subject to the provision of Section 289 of the said Act, no resolution shall be deem to have been passed by the board or by a Committee thereof by circulation, unless, the resolution has been circulated in draft together with necessary papers, if any, to all Directors or to all the members of the committee then in India, not being less in number than the quorum fixed for a meeting of the Board or Committee as the case may be and to all other Directors or Members at their usual address in India and has been approved by such of the Directors as are then in India or by a majority of them.

True Copy Attested

For The Seal Coat Structural Works (P) Ltd.
Manager

Jagyneswar Acharya
Notary, Govt. Of India
Odisha, BBSR, Dist-Khurda
Regd. No.-7791/2009

For The Seal Coat Structural Works (P) Ltd
Managing Director

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.

43) Subject to the provision of Section 287 of the said Act the quorum for a meeting of the Directors shall be one third of its total strength or two Director present in person which ever is higher.

GENERAL MEETINGS

44) Subject of the Regulation 49 of Table the following provisions shall apply.

a) A general meeting including the Annual General Meeting of the Company may be called by giving not less than 14 days notice in writing and Section 171 of the said Act shall apply subject to such modification.

b) No person shall be appointed as proxy unless and until he is member of the company and accordingly section 176(2) of the said Act shall apply with such modification.

c) No member shall exercise any voting right in respect of the shares registered in his name on which any calls or other sums presently payable by him have not been paid or in regard to which the company has exercised any right of lien.

45) The Chairman of the company shall preside at the Board and General meeting . If at any meeting the Chairman is not present within fifteen minutes after the time appointed for holding such meeting the Directors present shall choose another Director present as Chairman and if no Director is present or all the Directors present decline to take the chair, then members present shall choose one of them to be the Chairman of the meeting.

THE COMMON SEAL

46) Not withstanding regulation 84 of Table A in the first schedule to the said Act but subject to the Companys (issue of share certificates) Rules, 1960 the seal of the company is required to be affixed shall be sealed in the presence of and be signed by any of the Directors. The company may also exercise its powers under Section 50 of the said Act.

47) In the event of winding up the Liquidators may with the sanction of a special resolution distribute all or any of the assets of the Company in specie among the contributors in accordance with their respective rights .

INDEMNITY

48) Subject to the provisions of Section 201 of the said Act, and so far as such provisions permit every Director, Secretary, Auditor and other officer or servant of the Company shall be indemnified by the Company against and it shall be duty of the Directors out of the funds of the Company to pay all costs, losses ad expenses which any such officer or servant may incur or become liable to by reasons of any contract entered into or act or thing done by him as such officer or in any way in the discharge of his duties including travelling and other expenses.

SECRECY CLAUSE

49) No member shall be entitled to inspect the Company's work without the permission of the Board or Directors or to require discovery of any information respecting any detail of the company's trading or any matter in the nature of a trade secret if process which in the opinion of the Director or the Managing Director, it would not be expedient in the interest of the company to communicate to the public.

True Copy Attested

Jagyneswar Acharya
Notary, Govt. Of India
Odisha, BBSR, Dist-Khurda
Regd. No.-7791/2009

For The Seal Coat Structural Works (P) Ltd.
Manager

For The Seal Coat Structural Works (P) Ltd
Biswajit Bhuyan
Managing Director

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.

We have several persons, whose names and addresses are subscribed below are desirous of being formed into a company in pursuance of this ARTICLES OF ASSOCIATION and respectively agree to take the number of shares in the capital of the Company set opposite our respective names.

Sl. No.	Signature,Address, Occupation & father's name of each subsc-riber	No. of Equity shares taken by each subs-criber	Signature,Address,Occupation & father's name of each witness
01.	Biswajit Bhuyan S/O Debendra nath Bhuyan 38, Brahmeswar Bagh, Tankapani Road, Bhubaneswar - 751002 OCC : Business	100 (One Hundred)	Witness to all the signatories :- Uttam Kumar Mohapatra S/o Late Ghanshyam Mohapatra 237, Bapuji Nagar, II Floor, Bhubaneswar - 751009 . Occupation : Chartered Accountant in practice
02.	Barnali Bhuyan W/o Biswajit Bhuyan 38, Brahmeswar Bagh, Tankapani Road, Bhubaneswar - 751002 OCC : Business	100 (One Hundred)	
		200 (Two Hundred)	

Place : Bhubaneswar
Date : 25th August, 1997 .

True Copy Attested
Jagyneswar Acharya
Notary, Govt. Of India
Odisha, BBSR, Dist-Khurda
Regd. No.-7791/2002

For The Seal Coat Structural Works (P) Ltd.
Manager

For The Seal Coat Structural Works (P) Ltd
Managing Director

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

0208

THE SEALCOAT
STRUCTURAL WORKS (P) LTD.
FLAT NO. 1, PARK TOWER, EKAMRA MARG, GANGANAGAR, UNIT-VI, BHUBANESWAR-751001, PH : (0674) 2595059, FAX : 2595159
GRAM : SEALCOAT, E-mail : sealcoatbbsr@gmail.com

EXTRACT FROM THE MINUTES OF THE MEETING OF THE BOARD OF DIRECTORS OF
M/S. THE SEAL COAT STRUCTURAL WORKS PVT. LTD.,
HELD AT ITS REGISTERED OFFICE AT
43 (P), FLAT NO-1, PARK TOWER, EKAMRA MARG, UNIT-VI, GANGANAGAR,
BHUBANEWAR-751001 ON 1ST SEPTEMBER 1997.

DIRECTORS PRESENT :-

1. *Mr. Biswajit Bhuyan*
2. *Mrs. Barnali Bhuyan*

Resolved that in pursuance of Article (28) of the Articles of Association of the Company ***Mr. Biswajit Bhuyan*** be and is hereby appointed as the ***"Managing Director"*** of the Company with effect from ***1st September 1997*** on a monthly remuneration **Rs. 7,500.00** per month.

FURTHER RESOLVED that subject to the provisions of **Section 292** of the **Companies Act, 1956** and subject to the superintendence and control of Board of Directors of the **Managing Director** shall have power to manage whole of the affairs of the Company.

-Sd-
(CHAIRMAN)

Certified Copy

Signature & Seal of the
Managing Director
For The Seal Coat Structural Works (P) Ltd.
Biswajit Bhuyan
Managing Director

Signature & Seal of the
Director
For The Seal Coat Structural Works (P) Ltd.
Barnali Bhuyan
Director

For The Seal Coat Structural Works (P) Ltd
Biswajit Bhuyan
Managing Director

True Copy Attested
Jagyneswar Acharya
Notary, Govt. Of India
Odisha, BBSR, Dist-Khurda
Regd. No.-7791/2009

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

Authorised Dealer-cum-Applicator of
SIKA INDIA Pvt. LIMITED
AN ISO 9001 COMPANY
A SIKA-SWISS JOINT VENTURE

SPECIALIST IN : MODERN WATER PROOFING AND ANTICORROSIVE COATING • PROTECTING & STRENGTHENING R.C.C. STRUCTURES • EPOXY GROUTING INDUSTRIAL FLOORING LINNINGS • SEALING OF EXPANSION JOINTS • SHORT CONCRETING SOIL TABILIZING

For The Seal Coat Structural Works (P) Ltd.
Manager

ISO 9001
DNV
CERTIFIED FIRM

. 0209

Ref No: 2021/SIPL/WP/SS/82

Dated: 03/08/2021

APPLICATOR REFERENCE LETTER

Sika India Private Limited,

having our Head Office at :

501-502, B Wing, Lotus Corporate Park,
Off Western Express Highway, Goregaon (East),
Mumbai- 400 063.

does hereby state that,

M/s The SealCoat Structural Works Pvt Ltd

having their address at,

43,Flat No-1,Park Tower,Ekamra Marg,Ganganagar,Unit-VI,
Bhubaneshwar-751001

has undertaken training with Sika India Pvt Ltd in respect to application, storage and usage of the products of Sika as more particularly set out in the below category :

- **Liquid Applied Membranes**
- **APP Membranes**
- **Injections-Waterproofing**

The Applicator has been trained on the relevant Sika product data sheets and all other technical documentation of Sika and has agreed to update themselves from time to time in respect to any changes made by Sika in its product data sheet/s and technical documentation.

This reference letter is valid upto **31st Dec 2021** and only in respect to the Sika Products as mentioned above and to be renewed subject to the Applicator successfully undertaking and completing any training courses as required by Sika.

Place: Mumbai

Abhishek Jain
Technical Head

Sucharit Sarkar
Product Manager

Note: This Reference letter is subject to responsibility of the purchaser of the Sika Products and/or contractors applicators to store the Products in accordance with the storage requirements set out on the Sika Products and its technical data sheets. Sika merely states that the Applicator has undertaken training for application with Sika in respect to the above mentioned Sika Products and Sika does not assume any responsibility and/or liability whether financial or otherwise in respect to usage or skill and workmanship of the Applicator in applying the Products for the customers. Sika shall also not be responsible for use of these Products in a manner to infringe on any patent or other intellectual property rights held by other.

For The Seal Coat Structural Works (P) Ltd

Managing Director

Sika India Pvt Ltd, 501-502 B Wing, Lotus Corporate Park, Goregaon (E), Mumbai -400063
Tel: +91 22 6270 4036 / Fax: + 91 22 6270 4039 / Web: www.sika.com

True Copy Attested
Bhubaneswar Achertya
Odisha, 9853, 2021
Regd. No. 7731/2000

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

0210

THE SEALCOAT
STRUCTURAL WORKS (P) LTD.
FLAT NO. 1, PARK TOWER, EKAMRA MARG, GANGANAGAR, UNIT-VI, BHUBANESWAR-751001, PH-(0674)2595059, FAX-2595159
GRAM : SEALCOAT, E-mail : sealcoatbbsr@gmail.com

CONTRACTOR'S BID

Description of the Works: **SPECIAL REPAIR (STRUCTURAL) TO THE DHAULI SHANTI STUPA FOR THE YEAR 2021-22 ON TURNKEY BASIS.**

To,

The Managing Director,
Odisha Bridge & Construction Corporation Ltd.
Vikas Bhawan, Nayapalli
Bhubaneswar-751012

Gentlemen,

Having examined the bidding documents including addendum/ corrigendum, I / we offer to execute the Works described above in accordance with the conditions of contract, specifications, accepted tendered drawing, and Payment schedule accompanying this Bid for the Contract Price as tendered in our price bid document separately.

This Bid and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any Bid you receive.

We undertake that, in competing for (and if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

We hereby confirm that this Bid complies with the Bid Validity and Bid Security required by the Bidding documents.

We attach herewith our current income-tax clearance certificate.

Yours faithfully,
For The Seal Coat Structural Works (P) Ltd
Biswajit Bhuyan

Managing Director
Authorized Signature:
Name & Title of Signatory: **Mr. Biswajit Bhuyan**
Name of Bidder : **The Sealcoat Structural Works (P) Ltd.**
Address: 43(P), Flat No-1, Park Tower, Ekamra Marg, Unit-VI,
Ganganagar, Bhubaneswar-751001.
Email-id: sealcoatbbsr@gmail.com
Contact No: 94370 11559
Stamp:

For The Seal Coat
Structural Works (P) Ltd.
Sarm Kedi
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

Authorised Dealer-cum-Applicator of
SIKA INDIA Pvt. LIMITED
AN ISO 9001 COMPANY
AN INDO SWISS JOINT VENTURE

DEALS IN : ROAD CONSTRUCTION
SPECIALIST IN : MODERN WATER PROOFING AND ANTICORROSIVE COATING • PROTECTING & STRENGTHNING RCC STRUCTURES • GROUPING INDUSTRIAL FLOORING LINNINGS • SEALING OF EXPANSION JOINTS • SHORT CONCRETING SOIL TABLIZING

ISO - 9001
DNV
CERTIFIED FIRM

0211

THE SEALCOAT
STRUCTURAL WORKS (P) LTD.
FLAT NO. 1, PARK TOWER, EKAMRA MARG, GANGANAGAR, UNIT-VI, BHUBANESWAR-751001, PH-(0674)2595059, FAX-2595159
GRAM : SEALCOAT, E-mail : sealcoatbbsr@gmail.com

QUALIFICATION INFORMATION

1. Individual Bidders

1.1	Constitution or legal status of Bidder	The Sealcoat Structural Works Pvt Ltd. "Super Class Contractor"
	Place of registration	Engineer-in-Chief (Civil), Odisha
	Principal Place of Business	Odisha
	Power of Attorney of Signatory of Bid	Mr. Biswajit Bhuyan (Managing Director)

1.2 Total annual volume of Civil engineering construction work executed and payments received in the last five years proceeding the year in which bids are invited. (Attach certificate from Chartered Accountant)

(Rs. In lakhs)

Year	Civil Engineering Construction work turn over	Turnover of works other than civil work	Total Turnover
2015-16	34,60,77,290.01	7,25,28,079.32	41,86,05,369.33
2016-17	13,38,31,983.00	7,29,46,465.00	20,67,78,448.00
2017-18	9,36,93,135.30	5,90,88,213.46	15,27,81,348.76
2018-19	3,83,22,324.83	6,99,43,887.98	10,82,66,212.81
2019-20	5,96,59,421.23	5,62,80,553.80	11,59,39,975.03

For The Seal Coat Structural Works (P) Ltd

Managing Director

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

ISO - 9001

Authorised Dealer-cum-Applicator of
SIKA INDIA Pvt. LIMITED
AN ISO 9001 COMPANY
AN INDO SWISS JOINT VENTURE

DEALS IN : ROAD CONSTRUCTION

SPECIALIST IN : MODERN WATER PROOFING AND ANTICORROSIVE COATING • PROTECTING & STRENGTHNING RCC STRUCTURES • GROUPING INDUSTRIAL FLOORING LINNINGS • SEALING OF EXPANSION JOINTS • SHORT CONCRETING SOIL TABLIZING

DNV
CERTIFIED FIRM

1.4 (A) Information on Bid Capacity (works for which bids have been submitted and works which are yet to be completed) as on the date of this bid.

Existing commitments and on-going construction works.

Description of work	Place & State	Contract No & Date	Name & address of Employer	Value of Contract (Rs. In lakhs)	Stipulated period of completion	Value of works remaining to be completed (Rs. Lakhs)	Anticipated Date of completion
1	2	3	4		5	6	7
			NO WORK IN HAND				

For The Seal Coat Structural Works (P) Ltd

Basudev Bhuyan

Managing Director

Signature of the Tenderer

0212

For The Seal Coat
Structural Works (P) Ltd.
Sanjoy Kumar Das
Manager

10/1/22
Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

1.4 (B) Information on Bid Capacity (works for which bids have been submitted and works which are yet to be completed) as on the date of this bid.

Works for which bids already submitted.

Description of work	Place & State	Name & address of Employer	Estimate value of works (Rs. In Crores)	Stipulated period of completion	Date when decision is expected	Remarks if any
1	2	3	4	5	6	7
Development of Road connecting from Netaji Subash Enclave to Patia Railway Station, Bhubaneswar	Bhubaneswar, Khurda, Odisha	Executive Engineer, BDA Division No-I, Bhubaneswar	17.74 Crore	18 calendar months	31.12.2021	
OR26385 MRL01-NJ Sadak to Karamala via Gadakharada, Gopinathpur, Nuagaon	Nuagaon, Puri, Odisha	Chief Construction Engineer, Central RW Circle, BBSR	10.19 Crore	12 calendar months	30.11.2021	

For The Seal Coat Structural Works (P) Ltd

Managing Director

Signature of the Tenderer

For The Seal Coat Structural Works (P) Ltd.

Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

0213

1.5 The following items of Contractor's Equipment Essential for Carrying out the Works

Sol. No.	Item of Equipment	Requirement		Availability Proposals			Remarks (from whom to be purchased)
		No.	Capacity	Owned/ Leased to be procured	Nos./ Capacity	Age/Condition	
1	Staging Pipe		9500 Mtrs.	Owned		Good	
2	Safety Belt	20 nos.		Owned		Good	
3	Helmets	25 no.		Owned		Good	
4	Water Tanker	3 nos.	5000ltrs	Owned		Good	
5	Screws Compressor	2 nos.	300cfm.	Owned		Running Condition	Chicago Pneumatic Ltd. & Atlas Cop Co.
6	Concrete Mixture Machine	2 nos.	3cft.	Owned		-do-	Ashok Engineering
7	Vibrators	4 nos.	2HP (440/3/50)	Owned		-do-	Ashok Engineering
8	Electric Drill Machine	6 nos.	20mm.	Owned		-do-	Ashok Engineering
9	Grouting Machine (Cement)	6 nos.	9kg/sqcm.	Owned		-do-	Ashok Engineering
10	Grouting Machine (Epoxy)	4 nos.	9kg/sqcm.	Owned		-do-	Ashok Engineering
	Grouting Machine **(Epoxy Electrical)**	1 no.	12kg/sqcm.	Owned		-do-	Metro Industries
11	Water Pump	5 nos.					
12	Welding Machine	3 nos.	3.5 KVA AC&DC	Owned		-do-	
13	Plate & Needle Vibrator	2+2 nos.		Owned		-do-	

For The Seal Coat Structural Works (P) Ltd

Signature of the Contractor

Managing Director

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

0214

0215

RECEIVED Date 18/12/07 The Seal Coat Structural Works (P) Ltd

STEEL FORM

P-493, KEYATALA ROAD
KOLKATA-700 029
Phone : 2463 8817

TAX INVOICE

No. ST/Cal-65/07-08.
Date 26-11-2007.

To
M/s. The Seal Coat Structural Works(P) Ltd,
43(P) Park Tower, Ganga Nagar,
Unit VI. Bhubaneswar-751 001.

Your Order No. | Date

our A. O. No. ST/Cal-78/07-08. | D/Note No. | Date 20-8-07.

Sl. No.	DESCRIPTION OF GOODS	Quantity	RATE EACH Rs.	P.	AMOUNT Rs.	P.
1)	Shuttering Plates for One Span.					
	Bottom Plate. 1250mm.	30 Nos.				
	Side Shutter with Haunch. 1250mm.	60 Nos.				
	Deck Slab Shuttering.	48 Nos.				
2)	Hing Truss for 2 Spans.					
	E - Frame. - 20 Nos.					
	Middle Truss. - 10 Nos.					
	Bracing Angle & Channel.					
	- Cost.	....	....	...	2,50,000	00
	Add C.S.T. @ 3%.... Against Form 'C'				7,500	00
	Material despatched throough M/s. Harsh Roadlines, 98, B.K.Paul Avenue, Kolkata, on freight to pay basis.					
	Party's TIN No.21211104228. CST BHC- 11-1139.					
	VAT TIN No. 19391980041					
	W.B.S.T. No. 19391980138					
	C.S.T. No. 19391980235					

DESPATCH PARTICULARS

DESPATCH BY RAIL / ROAD — WAGON / TRUCK NO.
FROM Kolkata — TO Gopalpur.

R. R. NO.
L. C. NOTE — DATE
PAID Rs..... BY YOU
FREIGHT TO PAY — INSURANCED.....

E. & O. E. — TOTAL 2,57,500 00

RUPEES Two Lakh Fifty Seven thousand Five hundred only.

For The Seal Coat Structural Works (P) Ltd.
Managing Director

For STEEL FORM

True Copy
Jagyneswar Acharya
Notary Govt. of India
Sonata, BBSR, Dist-Khurda
Regd. No. 7791/2009

For The Seal Coat Structural Works (P) Ltd
Sanjoy Kumar Das
Manager

Sr. Project ... 10/1/22
Ekamra Division
O.B. & C.C. Ltd.

0216

TAX INVOICE

Consignor: MANISH ENTERPRISE
14, Ganesh Chandra Avenue
Kolkata - 700 013.
Ph:2236-3701 Fax :2225-8003

Bill No.:476/05-06 Date- 04.03.2006
Cha No.498/05-06 Date- 04.03.2006

Consigne THE SEAL COAT STRUCTURAL WORKS (P) Ltd
Flat No. 1, Park Towers, Ekamra Marg,
Ganga Nagar,
Bhubaneswar, Orissa.

Order No.:

Delv. At Kathajodi Site Cuttack. (PH:- 0674- 2595059)
Remarks :-

09433528288
Subhasis

Item No.	DESCRIPTION	Quantity	Unit	Rate	Amount
	3 Mtrs. Pipe	252	Nos.	645	162,540.00
	Top Cup (1260 Nos.)				-
	Bottom Cup (1260 Nos.)				-
	2.2 Mtrs. Pipe	138	Nos.	282	38,916.00
	Ledger Blade (276 Nos.)				-
	G. I. Sheet	17	Nos.	725	12,325.00
	Base Plate	42	Nos.	52	2,184.00
	Pipe Prop	12	Nos.	890	10,680.00
	(3 mtrs. 5.5 Mtrs.)				-
	TIN No. 21211104228				
	CST No BHC - II - 1139 Dt. 29.06.94.				
	E. T. No. BH - II - 627 E.T.		Amount		226,645.00
	C FORM DUE		Central Sale Tax	4.0%	9,065.80
			Forwarding Charges		-
	Rs. Two lac thirty five thousand seven hundred ten & paise eighty only.		TOTAL		235,710.80

E. & O. E.

V. T No. - 19580683065
W. S.T. No.: PN/8204A New : 19580683162
C. S.T. No.: 5042-/VPN (C Now : 19580683259

OFFICE OF THE UNIFIED CHECK POST LAXMANNATH ROAD
CHECKED

For MANISH ENTERPRISE

Authorised Signatory

1. Goods once Sold will neither be exchanged nor taken back.
2. Our responsibility ceases when delivery mentioned in this bill has been effected.
3. Interest @ 18% per annum will be charged if the bill remains unpaid after 7 days.

ALL SUBJECT TO KOLKATA JURISDICTION

True Copy Attested
Jagynaswar Achary
Notary Govt. of India
Odisha, BBSR, Dist-Khurda
Regd. No. 7791/2009

For The Seal Coat Structural Works (P) Ltd.
Manager

For The Seal Coat Structural Works (P) Ltd
Managing Director

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.

0217

TAX INVOICE

Consignor: MANISH ENTERPRISE 14, Ganesh Chandra Avenue Kolkata - 700 013. Ph:2236-3701 Fax :2225-8063	Bill No.:472/05-06 Date- 27.02.2006 Cha No.:493/05-06 Date- 27.02.2006
Consigne The Seal Coat Strctural Works (P) Limited, Flat No. 1, Park Tower, Ekamra Marg, Ganga Nagar, Unit - VI, Bhubaneshwar - 1. Orissa.	Order No.:
Dely at KATHAJODI Site,Cuttack, Orissa.	
Remarks :- PHNO - 9861073728 2595059 (0674)	

Item No.	DESCRIPTION	Quantity	Unit	Rate	Amount
1	2.2 Mtrs. Pipe (with Blade)	900	Nos.	282	253,800.00
	TIN No. 21211104228 CST No BHC - II - 1139 Dt. 29.06.94. E. T. No. BH - II - 627 E.T. C FORM DUE Rs. Two lacs sixty three thousand nine hundred fifty two only.			Amount	253,800.00
				Central Sales Tax 4.00%	10,152.00
				Forwarding Charges	-
				TOTAL	263,952.00

E. & O. E.

VAT No. - 19580683065
W.B.S.T. No.: PN/8204A New : 19580683162
C.S.T. No.: 5042-A/PN (C New : 19580683259

1. Goods once Sold will neither be exchanged nor taken back.
2. Our responsibility ceases when delivery mentioned in this bill has been effected.
3. Interest @ 12 % per annum will be charged if the bill remains unpaid after 7 days.

ALL SUBJECT TO KOLKATA JURISDICTION

For MANISH ENTERPRISE

Authorised Signatory

For The Seal Coat Structural Works (P) Ltd

Managing Director

True Copy Attested
Jagyneswar Acharya
Notary, Govt. of India
Odisha, PRSR, Dist-Khurda
Regd. No. 7791/2009

For The Seal Coat Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

COMMERCIAL TAX OFFICER CHECKED 13 MAR 2006 CUTTACK

OFFICE OF THE ADDL. COMMERCIAL TAX OFFICER CHECKED 07 MAR 2006

0218

BILL

Mob. 9439776140/41/42

UGRATARA ENGINEERING WORKS

C.P-105, Niladri Vihar, Chandrasekharpur, Bhubaneswar-751021

To. The Seal coat Structural works P. Ltd
43 (P) Flat no-1 Park Town Bmn

Bill No. 176

Date 4.12.2009

Sl. No.	DESCRIPTION	QNTY.	RATE	AMOUNT Rs.	P.
1	(1.2m x 0.60m) 300nos Shuttering plate	9.025kg	44.50/kg	4,01,612=	50
			TOTAL	4,01,612=	50
			TAX@	—	
			G. TOTAL	4,01,612=	50

(including tax)

E & O E

True Copy Attested

Jagyneswar Acharya
Notary, Govt. of India
Odisha, BBSR, Dist-Khurda
Regd. No. 7791/2009

Rupees four lacks one thousand six hundred twelve only & 50 Paise only.

For UGRATARA ENGINEERING WORKS

For The Seal Coat Structural Works (P) Ltd

Managing Director / Authorised Signatory

For The Seal Coat
Structural Works (P) Ltd.

Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

0219

BILL

Mob. 9439776140/41/42

UGRATARA ENGINEERING WORKS

C.P-105, Niladri Vihar, Chandrasekharpur, Bhubaneswar-751021

To The Seal Coat Structural Works (P) Ltd.
43(P) Flat 010-1 Park Tower, BBSR.

Bill No. 42
Date 11.8.2008

Sl. No.	DESCRIPTION	QNTY.	RATE	AMOUNT Rs.	P.
1	(1.2m x 0.60m) 430 nos Shuttering plate	12,935.83 kg	44.00/kg	5,69,176	50
			TOTAL	5,69,176	50
			TAX@	—	
			G. TOTAL	5,69,176	50

True Copy Attested
Jagyneswar Acharya
Notary, Govt. of India
Odisha, BBSR, Dist-Khurda
Regd. No. 1791/2003

E. & O.E.

Rupees five lakh sixty nine thousand one hundred seventy six only fifty paise only.

For UGRATARA ENGINEERING WORKS

For The Seal Coat Structural Works (P) Ltd.

Managing Director / Authorised Signatory

For The Seal Coat Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.

C.S.T. NO. : BHC-647 Dt : 21.8.1976
TIN NO. : 21791100320

RETAIL INVOICE
CASH / CREDIT

Ø: (0674)2580897

Name & Address of the Buyer
SEAL-COAT Structurals Works Pvt. Ltd.
Park Tower, Unit-6, BBSR
TIN No. :

M/s SRI RAM INDUSTRIES
A-4, INDUSTRIAL ESTATE
RASULGARH, BHUBANESWAR-751010

Invoice No. : SRI/05-06/ 138
Date 31-01-2007

Challan No. : SRI/05-06/
Date :

Sl. No.	DESCRIPTION	QTY. (Kg.)	Price per Unit (Kg.)	Value of Goods	Rate of Tax	Amount of Tax	Total Rs.	P.
1.	Cost of fabrication and supply of two wheeler 5kl. Cap water-tanker mounted on a truck-trailer chassis.	1 no	55,000/- each	55,000/-	12%	6875-00	61,875	00
			Grand Total				61,875	00

Chw. 83843
31.01.07
41,875

Rupees Sixty one thousand eight hundred and seventy five only

E & O. E.

For The Seal Coat Structural Works (P) Ltd

Signature of the Dealer/Authorised Person

Managing Director

1) Goods once sold will be not returned. 2) This Registration certificate is valid on the date of issue of this tax invoice.
3) Subject to Bhubaneswar Jurisdiction.
Printed by : CAPITAL TRADING COMPANY, A-5, Industrial Estate, Rasulgarh, Bhubaneswar-10
Regd. No. 1331/78 W2000 Invoice : 1 to 200

True Copy Attested
Jagyneswar Acharya
Notary, Govt. of India
Odisha, BBSR, Khurda

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

For The Seal Coat Structural Works (P) Ltd.
Manager

0220

0221

BILL

No. 13/2015

M/s. BASUDEV INDUSTRIES

Plot No. A-41/2, Rasulgarh Industrial Estate, Rasulgarh
BHUBANESWAR-751010
(We Undertake All Types of Engineering Job works & Fabrication Works
Ph. 2583648 (R), ~~[illegible]~~ (O)

Date 8/4/09

Name SEAL Coat

Address

Sl. No.	PARTICULARS	Qnty.	RATE Rs. P.	Amount Rs. P.
1)	Providing new making of two circular electro tanks capacity 5000 litre made out of 6 mm thick M.S. plate for bending, gasetting cooling, fitting and chain unit made out of (65x65x6) M.S. channel axle unit made out of 80 mm sq bar, 12 & 13 tooth & bearing with 7½ HP nylon coat type & 20 m of paint all two coat of form & colour etc complete in all respect as per your order size	1 No	Rs 80,000 each	80,000=00
	Rupees Eighty thousand only			80,000=00

Goods once sold cannot be returnable.

E. & O. E.

Signature

For The Seal Coat Structural Works (P) Ltd
Biswajit Bhuyan
Managing Director

Jagneswar Acharya
Notary, Govt. of India
Address, BBSR, Dist-Khurda
Regd. No. 791/2009

For The Seal Coat Structural Works (P) Ltd.
Santosh Kumar
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

0222

Chicago Pneumatic

Chicago Pneumatic India Limited
1201 / 1202 / 1203, GIDC Industrial Estate,
Halol - 389 351, Dist. Panchmahal.

Phone : 20095, 20824
Fax : (02676) 20097
Gram : Pneumatic
HALOL-389 350

S. T. Regn. No. 43708741 dated 8-2-198
C.S.T. No. GUJ. 14E 441 dated 8-2-198

INDENTOR:
M/S.THE SEALCOAT STRUCTURAL WORKS (P) LTD
5/,GANGANAGAR,(1ST FLOOR)
UNIT VI
BHUBANESWAR - 751 001

INVOICE	NO.	DATE
	PB-BBSR-01	2.2.99
ISSUED AT	ISSUED FOR	PLANT
HALOL	HYDERABAD	HALOL(SCREW

ORDER ACCEPTANCE NO. & DATE: 33-81-120045-98-1 05 FEB

CUSTOMER'S ORDER REF & DATE:
P.O.No.NIL
d..30.01.99

MARKETING CODE: 000/81452/0000

TERMS OF DELIVERY: F.O.R.DESTINATION

INVOICED TO:
Same as Indentor
Full CST @ 10%

DESPATCHED TO:
M/S.The Seal Coat Structural Works (P Ltd.
Site of Oswal Chemicals & Fertilisers Ltd,Paradeep,Orissa

DESPATCH PARTICULARS:

EXCISE CHALLAN NO. & DATE:

GPI P.A/C NO./ PLA ENTRY NO.:

SALES TAX FORM NO.: Form-C Required

NO. OF CASES:

TERMS OF PAYMENT:
1 % Alongwith order and balance under DBI Scheme / through your Bank

REMARKS:
Ins Dec No.SD/H/1/C/ 87/98
Way bill Attached No.939663

SR NO	STOCK NO	ORDERED /BAL	BACK ORDER	DESCRIPTION	THIS SUPPLY	UOM	RATE RS	EX CD	AMOUNT RS
1	20011 943	1		CPS-325 Diesel Screw Air Compressor	1	No	390000.00	A	390000.00
	Excise (A) (84-14-80) 13.00% on Rs.390000.00				for qty		1		390000.00
									50700.00
									440700.00
	Insurance charges								2925.00
	Freight/Fowarding charges								12300.00
									455925.00
	C.S.T.10.00% on Rs. 440700.00								
	No Tax 0.00% on Rs. 15225.00								44070.00
					Total Amount				499995.00
	Total Excise paid: Rs.50700.00 Quantity: (Rupees Fifty Thousand Seven Hundred only)				1				

True Copy Attested
Jagyneswar Acharya
Notary, Govt. of India
Odisha, BBSR, Dist-Khurda
Regd. No. 77912009

For The Seal Coat Structural Works (P) Ltd
Managing Director

"We hereby certify that our Registration Certificate under the Central Sales Tax Act, is in force on the date on which the sale of goods specified in this Bill is made by us, and that the transaction of sale covered by this bill has been effected by us in regular course of our business"

Prepared by

Checked by

For Chicago Pneumatic India Limited

Please ... days ... interest ... accordance ... rate of tax charged within 30 days ... to you for the balance statutory rate as applicable ... charged by the banks on overdue ...

For The Seal Coat Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

Regd. Office: 1/3/2 L.B. Shastri Marg, Mulund, Mumbai 400 080.

CUSTOMER COPY

0223

UU14175

ATLAS COPCO (INDIA) LIMITED

Authorised Signatory

TAX INVOICE NO. AE 301029 PAGE NO : 1

CUSTOMER NO: 308610 - 0000 DATE: 4/05/2005

INVOICE TO
THE SEALCOAT STRUCTURAL WORKS
(P) LTD.,
43(P), FLAT - 1, PARK TOWER,
SANGANAGAR UNIT-6, BHUBANESWAR - 751 001

SHIP TO
THE SEALCOAT STRUCTURAL WORKS
(P) LTD.,
43(P), FLAT - 1, PARK TOWER,
SANGANAGAR UNIT-6, BHUBANESWAR - 751 001

Invoice for removal of goods fr[illegible] factory or [illegible] of Excise duty (Rule 11 of C[illegible] Rules 2[illegible]

Date & Time of Issue : 4/-/5
Nature of Removal : SA[illegible]
Date & Time of Removal 4/5/5 [illegible]
Category of Customer [illegible] nd cl
No. & DT. of Notification [illegible] under which any Concessional [illegible] of duty claimed :
ECC NO. : AAACA4074[illegible] MCD1
Regd. No.: 1004040044
P.L.A. No.: 411/87/94

OUR ORDER	TO NO. & DATE	REGION
20228	9N066/04.05.05	36

SALESMAN	SPLIT CSI	SPLIT CODE	ORDER TYPE
30006	306595	06	1

ECC	PART NO	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENSION [illegible]
ACA	8973 1718 00	XA-175 Hd RIND PORT AIR COMPR, TARIFF SUB-HEAD : 84144030	1.00	1.00	545,000.00	545,[illegible]

NA 500858

DHM 246321

SUB TOTAL
TAX TOTAL
INVOICE TOTAL

SIX HUNDRED FIFTY NINE THOUSAND THREE HUNDRED TWO RUPEES AND 01 PAISE

SUMMARY

EXCISE DUTY @ 16 %	1.00	87,200.00
2% Ed Cess on16% Exd factorise	1.00	1,744.24
CENTRAL SALES TAX @ 4%		25,387.77

Total Excise Duty Payable Rs. EIGHTY EIGHT THOUSAND NINE HUNDRED FORTY FOUR RUPEES AND 25 PAISE

Your Order No : BO/ATL03/05-06/038 DATED 03.05.05
Transporter : FREIGHT PAID BASIS
Mode Of Dispatch : DOOR DELIVERY AGAINST CONSIGNEE COPY
Payment Terms : RS.81,730/-ADV. & BAL AGST DESPATCH DOCUMENTS
Remarks : ROAD PERMIT NO. AE 0760421
CST NO. BHC-11-1139 DATED 29.06.94
TIN NO. 21211104228

****

I/We hereby certify that my/our registration certificate under the Maharashtra Value Added Tax Act, 2002 is in force on the date on which the sale of the goods specified in this tax invoice is made by me/us and that the transaction of sale covered by this tax invoice has been effected by me/us and it shall be accounted for in the turnover of sales while filing of return and the due tax, if any, payable on the sale has been paid or shall be paid.

Total Excise Duty Payable Rs. 88944/-

Debit Entry

Ex. Range : DAPODI RANGE (IV) KUNDAN BHAWAN, KUNDAN NAGAR, DAPODI, PUNE - 411 012.
Ex. Division : PUNE IV,EXCISE BHAWAN, DISTRICT CENTRE, NEAR AKURDI RAILWAY STATION,PCNTDA- NIGDI, PUNE 411 044.

Penal interest at the rate 20% will be payable by the customer for all payments made after the due [illegible] claims recognised unless reported in writing to company within 14 days from date of receipt of goods [illegible] event of the certificate furnished /to be furnished by you being held invalid for any reason [illegible] Sales Tax authorities we shall recover from you the balance of tax involved.

Certified that the particular's given above are true & correct & the amount indicated represents the price actually charged & that there is no flow of additional consideration directly or indirectly from the buyer.

PLEASE QUOTE THE INVOICE NO. AND DATE WITH YOUR REMITTANCES TO ENSURE THAT THE PROCEEDS ARE CORRECTLY CREDITED TO YOU

We hereby certify that our Regd. Certificate under the BST Act 1959 is in force on the date on which the sale of goods specified in this bill/cash memorandum is made by us and that the transaction of the sale's covered in this bill/cash memorandum has been effected by us, in the regular course of our business.

ATLAS COPCO (INDIA) LIMI[illegible]

Authorised Signatory

S.T. NO. 411012/S/343 DT. 1.4.1998 | C.S.T. NO. 411012/C/231 DT. 1.4.1998

Subject to Pune Jurisdiction only. Regd. No. 7791/2009

For The Seal Coat Structural Works (P) Ltd

Managing Director

Atlas Copco (India) Ltd.

Address : Yerwanagar, Dapodi, Pune 411 012

Phone : +91-020-27146416, 27146417
Fax : +91-020-27146637

Regd. Office : M.G.M. Building, Netaji Subhas Road, Mumbai - 400 002

For The Seal Coat Structural Works (P) Ltd
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.

0224

J.K. ROAD EQUIPMENT

Mfg. Road Construction Equipments & Spares, All Type Of Engineering Equipments

Way bill No. AAA 25862

M/s. The Seal Coat Structural Works (P) Ltd. Flat No. 1, Park Tower, Ekamra Marg, Ganga Nagar, Unit-VI, Bhubaneswar-1. Orissa.	INVOICE NO : 150 - 10/11	DATE : 07-01-11
	CHALLAN NO : 150-10/11	DATE : 07-01-11
	P.O. NO. : 355	DATE : 10-12-10
	Party GST No. : TIN No. - 21211104228	
	Party CST No. : BHC - II - 1139, ORISSA	

Sl. No.	Description	Qty.	Rate	Amount (Rs.)
1.	Plate Vibrator with accessories	2 Nos.	12,300.00	24,600.00
2.	Needle Vibrator with accessories	2 Nos.	11,900.00	23,800.00
GST NO. : - 24075103195 dt. 06/12/2006 CST NO. : - 24575103195 dt. 15/12/2003		Sub Total		48,400.00
		C & F		—
TRANSPORTER NAME :- BBSR Road Lines L.R. No. :- 4 X 150 - 10/11 VEHICLE NO. :- OR-02-U-3185				2,420.00
				—
Rupees Fifty thousand eight hundred twenty only.		Grand Total		50,820.00

OFFICE OF THE COMMERCIAL TAX OFFICER UNITED CHECK GATE JAMSOLA GHAT 17 JAN 2011

Terms & Conditions :

1. Our risk and responsibility cease as soon as the goods leave our premises.
2. Payment by cash or cross cheque/DD. Payable at Ahmedabad.
3. Interest 18% will be charges on all amounts remaining unpaid after one month from date of this bill.
4. We reserve all rights to recover from you and duty, tex or lavy applicable to this transaction under government enactment and not charged you in this bill.
5. Subject to Ahmedabad jurisdiction.

For J.K. Road Equipment

Proprietor

True Copy Attested

Jagyneswar Acharya
Notary, Govt. of India
Odisha, BBSR, Dist-Khurda
Reg. No. 7791/2009

For The Seal Coat Structural Works (P) Ltd.

Managing Director

For The Seal Coat Structural Works (P) Ltd.

Manager

Reg. Off. No. : 144, Phase-1, G.I.D.C., Kathwada, Odhav, Ahmedabad-382 430.
Ph. : (079) 25853294 • M. : 9426007343 • Email : jk_roadequipments@yahoo.com

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

0225

"TAX INVOICE"

TRANSPORTER'S CO

Consignor: VIBROMACHINES (INDIA) PRIVATE LTD.
14, Ganesh Chandra Avenue
Kolkata - 700 013.
Ph:2237-2030 Fax :2225-8083

Bill No.: V-70/06-07 Date- 19.02.2007
Cha. No.: Date-

Consignee: THE SEAL COAT STRUCTURAL (P) LTD
Flat No.- 1, Park Tower, Ekamra Marg,
Ganganagar, Unit - IV,
Bhubaneswar - 1 Hasdasahu

Order No.

Despatched Through :- Ph. No. - 2595059

Remarks :-

Item	DESCRIPTION	Quantity	Unit	Rate	Amount
1	10/7 Cuft. Capacity Concrete Mixer Machine driven by 6 HP Kirlosker Air Cooled Diesel Engine mounted on 4 wheels	1	No	94000	94,000.00
	TIN NO - 21211104228 CST NO - BHC - II - 1139 Dt. 29.06.94				
			Amount		94,000.00
	C FORM DUE	Central	Sales Tax	4.00%	3,760.00
			Forwarding Charges		
	Rs. Ninety Seven Thousand Seven Hundred & Sixty Only		TOTAL		97,760.00

True Copy Attested
Jagyneswar Acharya
Notary, Govt. of India
Odisha, BBSR, Dist-Khurda
Regd. No. 7791/2009

E. & O. E

For VIBROMACHINES (INDIA) PRIVATE LTD

Authorised Signatory

VAT No. - 19580297009
W.B.S.T. No. - DN/5279A New : 19580287102.
C.S.T. No. - 24507/11 (O) New : 19580297296.

1. Goods once Sold will neither be exchanged nor taken back
2. Our responsibility ceases when delivery mentioned in this bill has been effected
3. Interest @ 12 % per annum will be charged if the bill remains unpaid after 7 days.

For The Seal Coat Structural Works (P) Ltd.
Managing Director

ALL SUBJECT TO KOLKATA JURISDICTION

For The Seal Coat Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

- 0226 -

"TAX INVOICE"

Consigner: **SAMEET TOOLS & EQUIPMENTS,** LINK ROAD, CUTTACK - 753 012, Odisha. Ph. No. 0671-2317851	Invoice No. T-625 Date - 15.03.2013 Challan No. 625 Date - 15.03.2013
Consignee: **The Sealcoat Structural Works (P Ltd.,** 43 (P) Flat No.1, Park Tower, Ganganagar, Unit-VI, BBSR-751 001 Odisha. Ph. No. 0674-2595059	Party Order No, By Telephone Date - 20.02.2013

Delivery Site : Kapilaprasad, Jatni site

Contact Person : A. K. Ray / 9337799002

Item No.	Description	Quantity	Unit	Rate	Amount (Rs.)
1	5.0 HP Diesel Water Pump	3	Sets	11,345.00	34,035.00
	TIN No-21211104228 **CST No-21211104228**				
				Total	**34,035.00**
		(Add) VAT 13.5%			4,594.72
		Delivery Charges			500.00
	(Rupees thirty nine thousand one hundred twenty nine and paise seventy two only)			**Total**	**39,129.72**

TIN No. - 21201100596
CST No.- 21201100596

This registration Certificate is valid on the date of issue of this Tax Invoice

N.B. : Goods once sold can not be returned.

E.& O.E.

15/03/13

For Sameet Tools & Equipments

COMPUTER GENERATED INVOICE

True Copy Attested

Jagyneswar Acharya
Notary, Govt. of India
Odisha, BBSR, Dist-Khurda
Regd. No. 7791/2009

For The Seal Coat Structural Works (P) Ltd.

Managing Director

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

0227

"TAX INVOICE"

Consignor : SAMBEET TOOLS & EQUIPMENTS. LINK ROAD, CUTTACK - 753 012. Ph : 0671 - 2317851	Bill No.: 452/09-10 Date - 11-02-2010 Chln. No. 452/09-10 Date - 11-02-2010
Consignee : The Seal Coat Structural Works (P) Ltd. 43 (P) Park Tower, Ganga Nagar, Unit - VI, Bhubaneswar - 751 001 Orissa.	P. Order No. : Over Telephone Date: 25-01-2010

Delivery at Site: 43, Park Tower, Unit-VI, Bhubaneswar-1, Khurda, Orissa.

Remarks:- Phone No. 97760 20238 (Mr. Gangadhar Hasda)

Item No.	DESCRIPTION	Quantity	Unit	Rate	Amount
1	5.0 HP Water Pump	2	Sets	10,450.00	20,900.00
2	Welding Machine with Assessories	2	Sets	12,500.00	25,000.00
	TIN NO. 21211104228 CST NO. BHC-II-1139			Amount	45,900.00
				VAT 12.5 %	5,737.50
				Delivery Charges	0.00
	(Rupees fifty one thousand six hundred thirty seven and fifty paise only.)			TOTAL	51,637.50

T I N No. - 21201100596, C.S.T. No. : BHC - 827 / 27.10.78 E.& O.E.

This registration Certificate is valid on the date of issue of this tax invoice.

N.B. : Goods once sold cannot be returned.

True Copy Attested

Jagdnes[illegible] Acharya
Notary, [illegible] of India
Office[illegible], BESH, Dist-Khurda
Regd. No.: 7791/2008

For Sambeet Tools & Equipments
11/2/2010

For The Seal Coat Structural Works (P) Ltd

Managing Director

For The Seal Coat Structural Works (P) Ltd.
Sarpm Kelu Dy
Manager

10/1/11
Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

TAX INVOICE

Consignor : MANISH ENTERPRISE 14, Ganesh Chandra Avenue Kolkata - 700 013 Ph : 2236-3701 Fax : 2225-8083	Bill No. : 398/05-06 Chs No. : 410/05-06	Date - 08/02/2006 Date - 08/02/2006
Consignee : The Seal Coat Structural Works (P) Ltd. Flat No. 1, Park Tower Ekamra Marg, Ganga Nagar, Unit-VI, Bhubaneswar-1, Orissa	Order No. :	
Dely at KATHAJODI Site, Cuttack, Orissa		
Remarks :		

Item No.	DESCRIPTION	Quantity	Unit	Rate	Amount
01.	Concrete Mixtures 10/7 CFT (280/200 ltr)	1	Nos.	1,02,000/-	1,02,000.00
	TIN No. 21211104228 CST No. BHC - II - 1139 Dt. 29.06.94 E.T. No. BH-II-627 E.T.		Amount		1,02,000.00
	C FORM DUE		Central Sales Tax 4.00%		4,080.00
	Rs. One lac Six thousand Eighty only		Forwarding Charges TOTAL		1,06,080.00

E & O. E

For MANISH ENTERPRISE

Authorised Signatory

True Copy Attested

Jagyneswar Acharya
Notary Govt. of India
Odisha, BBSR, Dist-Khurda
Regd. No. 7791/2002

19580683065
R204A New : 19580683162
A/PN (New : 19580683259

1. Goods once Sold will neither be exchanged nor taken back.
2. Our responsibility ceases when deliver mentioned in this bill has been effected.
3. Interest @ 12% per annum will be charged if the bill remains unpaid after 7 day.

ALL SUBJECT TO KOLKATA JURISDICTION.

For The Seal Coat Structural Works (P) Ltd

Managing Director

For The Seal Coat Structural Works (P) Ltd.

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.

0229 21W-16/42/0065

TAX INVOICE

Subject to Bangalore Jurisdiction

ON GOVT. APPROVED LIST

METRO INDUSTRIES

Bulk Manufaturers of Pressure Testing, Cement Grouting & Resin Injection Pumps

Also Various Types of Hydraulic Pumps

#68, METRO Mansion, J C Industrial Estate (Behind METRO - opp. Road to D.P.S.) 9th Cross,
5th left turn, Gowarhan Garden, Kanakpura Road, Bangalore - 560 062
Phone : 080-2686 0152, www.metroindustries.in, email : info@metroindustries.in

TIN NO. 29760065166

TRANSPORTER'S COPY

To,
THE SEALCOAT STRUCTURAL WORKS P LTD
PLOT-43, FLAT NO1. PARK TOWER,
EKAMRA MARG, GANGANAGAR, UNIT-6
BHUBANESHWAR-751001
Phone : 0674-2595059 9776020236
Party's TIN No. :21211104228

Invcice No : 5723
Date : 14/06/2016
Order No. : E MAIL SAROJ MOHANTHY
Order Dt. : 11/06/2016
Desoatch Per : necc transport
L/R No. :
L/R Date :

Sl. No.	Description of Goods	Qty	Rate	Per	Vat %	Amount Rs. P.
1	MIE-400 RESIN PUMP complete kit with accessories	1	43000.00	PCS	14.50	43000.00
2	INJECTION PACKERS	100	35.00	PCS	14.50	3500.00
	E-SUGAM NO. 181T027680	101				46500.00
	Delivery at :					
			Add :CST OUTPUT @14.5%			6742.50
			Round Off			0.50
			GRAND TOTAL			53243.00

Rs. Fifty Three Thousand Two Hundred Forty Three Only.

Form 515 or 505 not required as per clarification in Circular No.29/2005-08 Dt. 05/01/2006 and Notification No.KSA CR.327/05-06 issued by commercial Taxes, Government of Karnataka.

True Copy Attested
Jagyneswar Acharya
Notary, Govt. of India
Odisha, BBSR, Dist-Khurda
Regd. No. 7791/2009

Please Pay by A/c Payee Cheque/Draft only.
Goods once sold cannot be taken back or exchanged.
Received the above mentioned materials in good condition & in order.

For The Seal Coat Structural Works (P) Ltd
Managing Director

Receiver's Signature

For The Seal Coat Structural Works (P) Ltd.
Manager

For METRO INDUSTRIES

Authorised Signature

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

0230

BILL

Bill No. 54/SC/9/12/99-2000 Date 21-07-99

Messrs The Seal Coat Structural Works (P) Ltd., 45(P), Flat Park Tower, Ekamra Marg, Gangamagar, Unit-VI, Bhubaneswar-751001. Dr.

To S. K. DAS SARMA

Engineer & Order Supplier

3/22, Rajendra Prosad Colony, Calcutta-700033

Terms of Payment : CASH

Quantity	DESCRIPTION	RATE	AMOUNT Rs.	P.
2 Nos	Cement Grouting Pump, Freyssi Type, Complete with all accessories --- @	11,000/-	22,000	00
1 No	Chemical Grouting Pump, Semi Type, Complete with all accessories --- @	5,150/-	5,150	00
	Add, Packing and Forwarding Charges, (Packed in three Steel Trunks. —	L.S.	1,350	00
Rupees Twenty Eight thousand five hundred only			28,500	00

Your Order No. 54/SCO/99-2000/327 dt 24/7/99 & Telephonic talks on 26/7/99

Challan No. 12/99-2000 Dated 28/07/99

Voucher Attached .....

Calcutta 28th July, 1999

E. & O. E.

For S. K. DAS SARMA

Proprietor

True Copy Attested

Jagyneswar Acharya
Notary, Govt. of India
Odisha, SEER, Dist-Khurda
Regd. No. 77/31/2000

For The Seal Coat Structural Works (P) Ltd

Managing Director

For The Seal Coat Structural Works (P) Ltd.

Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

1.7 Proposed subcontracts and firms involved. [Refer ITB Clause4.2(j)]

Sections of the works	Value of Sub-Contracts	Sub-contractor (name and address)	Experience in similar work
	Not Applicable		

For The Seal Coat Structural Works (P) Ltd

Managing Director

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

0231

CURRICULAM VITAE

Sl. No.	Criteria	Details		
1	Proposed Position	Project Manager		
2	Name of Bidder	The Sealcoat Structural Works Pvt. Ltd.		
3	Name of Personnel	Mr. Sudhansu Kumar Panda		
4	Date of Birth	04.07.1964		
5	Nationality	Indian		
6	Education			
	College/University	Institution	Degree Obtained	Date of Obtainment
		The Institution of Engineers (India)	Bachelor Engineer (Civil)	
7	Other Training			
8	Language			
		Speak	Read	Write
	English	Yes	Yes	Yes
	Hindi	Yes	Yes	Yes
	Odiya	Yes	Yes	Yes
	Others			
9	Employment Record			
	From	To	Organization	Designation
	06.03.1997	Continuing	The Sealcoat Structural Works Pvt. Ltd.	Project In-charge
10	Project Details			
		Name of Project	Client	Project Duration (From-To)
(i)		Repair & rehabilitation of H.L. Bridge over river Kathajodi at Km. 20.135 of N.H.-5	EE. Cuttack N.H. Division, Cuttack	24.06.2005 to 23.12.2005 15.05.2008
(ii)		Rehabilitation of Steel Piles in the Iron Ore Berth of Paradip Port	EE. Harbour Works Division-I, PPT.	20.12.2007 to 19.08.2008, 30.11.2009
(iii)		Proposed construction of Information Technology Park (Water Proofing Works) at Plot No.35, Chandaka Industrial Estate, Patia, Chandrasekharpur, Bhubaneswar, Odisha (WO No-SPCL/KAL-TCS/WO/15, dtd. 18.10.2011)	Shapoorji Pallonji & Co Ltd.	18.10.2011 to 17.10.2012, 15.02.2014
(iv)		Proposed Re-building of Stone Slab Bridges of Br. No.8,10 & 72 and Arch Bridge of Br No. 20 & 51 in to RCC Box between Khurda Road and Puri Station of Khurda Road Division (Agt. No.132 dtd.29.10.2013)	Sr Divisonal Engineer (Estate) E. Co. Rly, Khurda Road	27.08.2013 to 30.06.2014

For The Sealcoat Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

(v)	Water proofing treatment with APP membrane to the Flat Roof of factory building. (WO. No.WS/72611/15 dtd.26.09.2014)	HAL, Engine Divn. Kuraput	26.09.2014 to 25.03.2015 08.06.2015
(vi)	Water proofing treatment with APP membrane over RCC roof of test house area and substation inside factory (WO. No.WS/72605/15 dtd. 02.06.2014)	HAL, Engine Divn. Kuraput	02.06.2014 to 01.02.2015 31.05.2015
(vii)	Repair & Renovation of Basanta Manjari Swastya Niwas (BMSN) Chandapur in the dist. of Nayagarh for 2014-15 (WO. No. 70P1 of 2014-15 dtd. 06.07.2015)	EE., Rural Works Divn. BBSR.	07.07.2014 to 06.07.2015 30.08.2017
(viii)	Widening and strengthening of proposed Old Cuttack Ganjam road (MDR-77) from 0/000 to 4/080 Km.) (Baranga to Pitapalli road) for the year 2013-14 under State Plan for the year 2013-14 (WO. No.09 P1 of 2014-15 dtd. 03.12.2014)	EE., BBSR (R&B) Divn. No-III, BBSR.	03.12.2014 to 02.11.2015 29.11.2017
(ix)	Repair of Track Hopper # II & III Rail Seat through Epoxy treatment & Insert Grouting (PO. No. 4000160709-064-1026 dtd. 17.02.2016)	Addl. General Manager (O&M/MGR) NTPC Ltd., Kaniha Angul	04.04.2016 to 03.10.2016 03.10.2016
(x)	Providing APP Water Proofing membrane over Roof of Quarters of Nurse colony, Engineers colony and Old Doctors colony (70 nos. Quarter) under IB Valley Area (MCL/GM/EBV/SO/19-20/Agt/23 dtd.18.11.2019)	Asst. Manager(C), MCL., IB Valley Area, Jharsuguda	19.11.2019 to 17.02.2020 10.06.2020
(xi)	Water proofing arrangement of roof with APP tarfelting at IWSS under Lingaraj OCP, Lingaraj Area (Agt. No.GM(LA)/SOC/AGR/2020-21/35 dtd. 14.08.2020)	Project Engineer (Civil), Lingaraj OCP, Talcher, Angul	15.08.2020 to 12.11.2020 12.11.2020
(xii)	Water proofing arrangement by APP (Atactic Polypropylene Polymer) of residential and non-residential buildings at Deulbera Colony under Lingaraj OCP, Lingaraj Area (GM(LA)SOC/AGT/20-21/36 dtd. 01.09.2020)	Project Engineer (Civil), Lingaraj OCP, Talcher, Angul	02.09.2020 to 15.11.2020 15.11.2020

Certified that the above information are true and correct to the best of my knowledge.

Sudhansu Kumar Panda
(Sudhansu Kumar Panda)

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

№ 19206

The Institution of Engineers (India)

T 24963

This is to certify that

SUDHANSU KUMAR PANDA

passed Sections A and B of the Institution Examinations

in the CIVIL Engineering Branch

in SUMMER 1985 and WINTER 1993 respectively

Sudhansu kumar Panda

For The Seal Coat
Structural Works (P) Ltd.
Manager

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.

CURRICULAM VITAE

Sl. No.	Criteria	Details
1	Proposed Position	Site Engineer
2	Name of Bidder	The Sealcoat Structural Works Pvt. Ltd.
3	Name of Personnel	Mrs. Madhusmita Pattanaik
4	Date of Birth	04.01.1988
5	Nationality	Indian
6	Education	

	College/University	Institution	Degree Obtained	Date of Obtainment
		BPIT, Phulbani, Odisha.	Diploma Engineer (Civil)	

7	Other Training	
8	Language	

	Speak	Read	Write
English	Yes	Yes	Yes
Hindi	Yes	Yes	Yes
Odiya	Yes	Yes	Yes
Others			

9 Employment Record

From	To	Organization	Designation
15.02.2010	Continuing	The Sealcoat Structural Works Pvt. Ltd.	Site Engineer

10 Project Details

	Name of Project	Client	Project Duration (From-To)
(i)	Proposed construction of Information Technology Park (Water Proofing Works) at Plot No.35, Chandaka Industrial Estate, Patia, Chandrasekharpur, Bhubaneswar, Odisha (WO No-SPCL/KAL-TCS/WO/15, dtd. 18.10.2011)	Shapoorji Pallonji & Co Ltd.	18.10.2011 to 17.10.2012, 15.02.2014
(ii)	Proposed Re-building of Stone Slab Bridges of Br. No.8,10 & 72 and Arch Bridge of Br No. 20 & 51 in to RCC Box between Khurda Road and Puri Station of Khurda Road Division (Agt. No.132 dtd.29.10.2013)	Sr Divisonal Engineer (Estate) E. Co. Rly, Khurda Road	27.08.2013 to 30.06.2014
(iii)	Water proofing treatment with APP membrane to the Flat Roof of factory building. (WO. No.WS/72611/15 dtd.26.09.2014)	HAL, Engine Divn. Kuraput	26.09.2014 to 25.03.2015 08.06.2015
(iv)	Water proofing treatment with APP membrane over RCC roof of test house area and substation inside factory (WO. No.WS/72605/15 dtd. 02.06.2014)	HAL, Engine Divn. Kuraput	02.06.2014 to 01.02.2015 31.05.2015

For Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar.

CURRICULAM VITAE

Sl. No.	Criteria	Details
1	Proposed Position	Quality Surveyor
2	Name of Bidder	The Sealcoat Structural Works Pvt. Ltd.
3	Name of Personnel	**Mr. Om Prasad Mohanty**
4	Date of Birth	15.02.1975
5	Nationality	Indian
6	**Education**	

	College/University	Institution	Degree Obtained	Date of Obtainment
		KIME & T, Chhendipada, Odisha	Diploma Engineer (Electrical)	

7	Other Training			
8	**Language**			
		Speak	**Read**	**Write**
	English	Yes	Yes	Yes
	Hindi	Yes	Yes	Yes
	Odiya	Yes	Yes	Yes
	Others			
9	**Employment Record**			

From	To	Organization	Designation
10.06.2001	Continuing	The Sealcoat Structural Works Pvt. Ltd.	Quality Surveyor

10	**Project Details**		
	Name of Project	**Client**	**Project Duration (From-To)**
(i)	Repair & rehabilitation of H.L. Bridge over river Kathajodi at Km. 20.135 of N.H.-5	EE. Cuttack N.H. Division, Cuttack	24.06.2005 to 23.12.2005 15.05.2008
(ii)	Rehabilitation of Steel Piles in the Iron Ore Berth of Paradip Port	EE. Harbour Works Division-I, PPT.	20.12.2007 to 19.08.2008, 30.11.2009
(iii)	Proposed construction of Information Technology Park (Water Proofing Works) at Plot No.35, Chandaka Industrial Estate, Patia, Chandrasekharpur, Bhubaneswar, Odisha (WO No-SPCL/KAL-TCS/WO/15, dtd. 18.10.2011)	Shapoorji Pallonji & Co Ltd.	18.10.2011 to 17.10.2012, 15.02.2014
(iv)	Proposed Re-building of Stone Slab Bridges of Br. No.8,10 & 72 and Arch Bridge of Br No. 20 & 51 in to RCC Box between Khurda Road and Puri Station of Khurda Road Division (Agt. No.132	Sr Divisonal Engineer (Estate) E. Co. Rly, Khurda	27.08.2013 to 30.06.2014

For ...
Structural Works (P) Ltd.
Manager

10/1/22
Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

(v)	Repair & Renovation of Basanta Manjari Swastya Niwas (BMSN) Chandapur in the dist. of Nayagarh for 2014-15 (WO. No. 70P1 of 2014-15 dtd. 06.07.2015)	EE., Rural Works Divn. BBSR.	07.07.2014 to 06.07.2015 30.08.2017
(vi)	Widening and strengthening of proposed Old Cuttack Ganjam road (MDR-77) from 0/000 to 4/080 Km.) (Baranga to Pitapalli road) for the year 2013-14 under State Plan for the year 2013-14 (WO. No.09 P1 of 2014-15 dtd. 03.12.2014)	EE., BBSR (R&B) Divn. No-III, BBSR.	03.12.2014 to 02.11.2015 29.11.2017
(vii)	Repair of Track Hopper # II & III Rail Seat through Epoxy treatment & Insert Grouting (PO. No. 4000160709-064-1026 dtd. 17.02.2016)	Addl. General Manager (O&M/MGR) NTPC Ltd., Kaniha Angul	04.04.2016 to 03.10.2016 03.10.2016
(viii)	Providing APP Water Proofing membrane over Roof of Quarters of Nurse colony, Engineers colony and Old Doctors colony (70 nos. Quarter) under IB Valley Area (MCL/GM/EBV/SO/19-20/Agt/23 dtd.18.11.2019)	Asst. Manager(C), MCL., IB Valley Area, Jharsuguda	19.11.2019 to 17.02.2020 10.06.2020
(ix)	Water proofing arrangement of roof with APP tarfelting at IWSS under Lingaraj OCP, Lingaraj Area (Agt. No.GM(LA)/SOC/AGR/2020-21/35 dtd. 14.08.2020)	Project Engineer (Civil), Lingaraj OCP, Talcher, Angul	15.08.2020 to 12.11.2020 12.11.2020
(x)	Water proofing arrangement by APP (Atactic Polypropylene Polymer) of residential and non-residential buildings at Deulbera Colony under Lingaraj OCP, Lingaraj Area (GM(LA)SOC/AGT/20-21/36 dtd. 01.09.2020)	Project Engineer (Civil), Lingaraj OCP, Talcher, Angul	02.09.2020 to 15.11.2020 15.11.2020

Certified that the above information are true and correct to the best of my knowledge.

Madhusmita Pattanaik

(Madhusmita Pattanaik)

For The Seal Of
Structural Works (P) Ltd.
Manager

10/1/21
Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

0238

State Council for Technical Education & Vocational Training, Odisha

S.C.T.E.&V.T. ODISHA

Regd. No. 063002006

Sl. No. 09/215910

Diploma

This is to certify that Shri / Kumari MADHUSMITA PATTANAIK

son / daughter of ASHOK KUMAR PATTANAIK

having undergone the prescribed course of studies for a period of Six Semesters in Civil Engineering

at Biju Patnaik Institute of Technology, Phulbani

has been declared passed and placed in First Division

in the Summer 2009 Examination.

Issue Sec.

24 DEC 2013

SCTE&VT ODISHA, BHUBANESWAR

Bhubaneswar

Dated.....

Secretary
State Council for Technical Education & Vocational Training, Odisha

Chairman
State Council for Technical Education & Vocational Training, Odisha

Madhusmita Pattanaik

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

For The Seal Of
Structural Works (P) Ltd.
Manager

CURRICULAM VITAE

Sl. No.	Criteria	Details
1	Proposed Position	Site Engineer
2	Name of Bidder	The Sealcoat Structural Works Pvt. Ltd.
3	Name of Personnel	**Mr. Kshetra Mohan Sahu**
4	Date of Birth	29.06.1991
5	Nationality	Indian
6	**Education**	

	College/University	Institution	Degree Obtained	Date of Obtainment
		AIET, Cuttack, Odisha.	Diploma Engineer (Civil)	

7	Other Training	
8	**Language**	

		Speak	Read	Write
	English	Yes	Yes	Yes
	Hindi	Yes	Yes	Yes
	Odiya	Yes	Yes	Yes
	Others			

9	**Employment Record**	

From	To	Organization	Designation
01.07.2013	Continuing	The Sealcoat Structural Works Pvt. Ltd.	Site Engineer

10	**Project Details**	

	Name of Project	Client	Project Duration (From-To)
(i)	Proposed construction of Information Technology Park (Water Proofing Works) at Plot No.35, Chandaka Industrial Estate, Patia, Chandrasekharpur, Bhubaneswar, Odisha (WO No-SPCL/KAL-TCS/WO/15, dtd. 18.10.2011)	Shapoorji Pallonji & Co Ltd.	18.10.2011 to 17.10.2012, 15.02.2014
(ii)	Proposed Re-building of Stone Slab Bridges of Br. No.8,10 & 72 and Arch Bridge of Br No. 20 & 51 in to RCC Box between Khurda Road and Puri Station of Khurda Road Division (Agt. No.132 dtd.29.10.2013)	Sr Divisonal Engineer (Estate) E. Co. Rly, Khurda Road	27.08.2013 to 30.06.2014
(iii)	Water proofing treatment with APP membrane to the Flat Roof of factory building. (WO. No.WS/72611/15 dtd.26.09.2014)	HAL, Engine Divn. Kuraput	26.09.2014 to 25.03.2015 08.06.2015
(iv)	Water proofing treatment with APP membrane over RCC roof of test house area and substation inside factory (WO. No.WS/72605/15 dtd. 02.06.2014)	HAL, Engine Divn. Kuraput	02.06.2014 to 01.02.2015 31.05.2015

For The Sealcoat Structural Works (P) Ltd.
Manager

10/1/22
Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

(v)	Repair & Renovation of Basanta Manjari Swastya Niwas (BMSN) Chandapur in the dist. of Nayagarh for 2014-15 (WO. No. 70P1 of 2014-15 dtd. 06.07.2015)	EE., Rural Works Divn. BBSR.	07.07.2014 to 06.07.2015 30.08.2017
(vi)	Widening and strengthening of proposed Old Cuttack Ganjam road (MDR-77) from 0/000 to 4/080 Km.) (Baranga to Pitapalli road) for the year 2013-14 under State Plan for the year 2013-14 (WO. No.09 P1 of 2014-15 dtd. 03.12.2014)	EE., BBSR (R&B) Divn. No-III, BBSR.	03.12.2014 to 02.11.2015 29.11.2017
(vii)	Repair of Track Hopper # II & III Rail Seat through Epoxy treatment & Insert Grouting (PO. No. 4000160709-064-1026 dtd. 17.02.2016)	Addl. General Manager (O&M/MGR) NTPC Ltd., Kaniha Angul	04.04.2016 to 03.10.2016 03.10.2016
(viii)	Providing APP Water Proofing membrane over Roof of Quarters of Nurse colony, Engineers colony and Old Doctors colony (70 nos. Quarter) under IB Valley Area (MCL/GM/EBV/SO/19-20/Agt/23 dtd.18.11.2019)	Asst. Manager(C), MCL., IB Valley Area, Jharsuguda	19.11.2019 to 17.02.2020 10.06.2020
(ix)	Water proofing arrangement of roof with APP tarfelting at IWSS under Lingaraj OCP, Lingaraj Area (Agt. No.GM(LA)/SOC/AGR/2020-21/35 dtd. 14.08.2020)	Project Engineer (Civil), Lingaraj OCP, Talcher, Angul	15.08.2020 to 12.11.2020 12.11.2020
(x)	Water proofing arrangement by APP (Atactic Polypropylene Polymer) of residential and non-residential buildings at Deulbera Colony under Lingaraj OCP, Lingaraj Area (GM(LA)SOC/AGT/20-21/36 dtd. 01.09.2020)	Project Engineer (Civil), Lingaraj OCP, Talcher, Angul	02.09.2020 to 15.11.2020 15.11.2020

Certified that the above information are true and correct to the best of my knowledge.

(Kshetra Mohan Sahu)

For The Sea Co...
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

0241

Reg. No. F1105701017

Sl.No. 13/19085

STATE COUNCIL FOR TECHNICAL EDUCATION & VOCATIONAL TRAINING

ODISHA

This is to certify that Sri/ Kumari KSHETRAMOHAN SAHU

son/ daughter of ISWAR CHANDRA SAHU

has passed the DIPLOMA in

Civil Engineering from

Aryan Institute of Engineering Technology, Cuttack in the

SUMMER 2013 examination and placed in First Division.

Bhubaneswar

Dated 29-04-2014

Kshetra mohan sahu

Secretary
State Council for Technical
Education & Vocational Training, Odisha

Chairman
State Council for Technical
Education & Vocational Training, Odisha

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.

(v)	Water proofing treatment with APP membrane to the Flat Roof of factory building. (WO. No.WS/72611/15 dtd.26.09.2014)	HAL, Engine Divn. Kuraput	26.09.2014 to 25.03.2015 08.06.2015
(vi)	Water proofing treatment with APP membrane over RCC roof of test house area and substation inside factory (WO. No.WS/72605/15 dtd. 02.06.2014)	HAL, Engine Divn. Kuraput	02.06.2014 to 01.02.2015 31.05.2015
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(ix)	Repair of Track Hopper # II & III Rail Seat through Epoxy treatment & Insert Grouting (PO. No. 4000160709-064-1026 dtd. 17.02.2016)	Addl. General Manager (O&M/MGR) NTPC Ltd., Kaniha Angul	04.04.2016 to 03.10.2016 03.10.2016
(x)	Providing APP Water Proofing membrane over Roof of Quarters of Nurse colony, Engineers colony and Old Doctors colony (70 nos. Quarter) under IB Valley Area (MCL/GM/EBV/SO/19-20/Agt/23 dtd.18.11.2019)	Asst. Manager(C), MCL., IB Valley Area, Jharsuguda	19.11.2019 to 17.02.2020 10.06.2020
(xi)	Water proofing arrangement of roof with APP tarfelting at IWSS under Lingaraj OCP, Lingaraj Area (Agt. No.GM(LA)/SOC/AGR/2020-21/35 dtd. 14.08.2020)	Project Engineer (Civil), Lingaraj OCP, Talcher, Angul	15.08.2020 to 12.11.2020 12.11.2020
(xii)	Water proofing arrangement by APP (Atactic Polypropylene Polymer) of residential and non-residential buildings at Deulbera Colony under Lingaraj OCP, Lingaraj Area (GM(LA)SOC/AGT/20-21/35 dtd. 01.09.2020)	Project Engineer (Civil), Lingaraj OCP, Talcher, Angul	02.09.2020 to 15.11.2020 15.11.2020

Certified that the above information are true and correct to the best of my knowledge.

Om Prasad Mohanty

(Om Prasad Mohanty)

For ... Structural Works (P) Ltd.

Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

Bhubaneswar

State Council for Technical Education & Vocational Training, Orissa

Regd No. 911951

Sl. No. 950799

Diploma

This is to certify that Shri/Kumari OM PRASAD MOHANTY

son/daughter of RUDRA PRASAD MOHANTY

having undergone the prescribed course of studies for a period

of THREE YEARS in ELECTRICAL ENGINEERING

at KALINGA INSTITUTE OF MINING ENGINEERING & TECHNOLOGY, CHHENDIPADA

has been declared passed and placed in SECOND Division

in the ANNUAL, 1995 Examination.

Bhubaneswar

Dated 9 AUG 1996

Secretary
State Council for Technical
Education & Vocational Training, Orissa

Chairman
State Council for Technical
Education & Vocational Training, Orissa

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

For The Sign Ora
Structural Works (P) Ltd
Manager

A213

Om Prasad Mohanty

ix	Improvement to Khordha-Jatni-Pipili-Nimapara Road		

0244

THE SEALCOAT
STRUCTURAL WORKS (P) LTD.
FLAT NO. 1, PARK TOWER, EKAMRA MARG, GANGANAGAR, UNIT-VI, BHUBANESWAR-751001, PH:(0674)2595059, FAX-2595159
GRAM : SEALCOAT, E-mail : sealcoatbbsr@gmail.com

LIST OF TECHNICAL/EXPERIENCED PERSONNEL

01. **Mr. Biswajit Bhuyan - Civil Engineer**
Managing Director

Joined as applicator of CHEMISOL Adhesives (P) Ltd., a Construction Chemical Manufacture at Bombay for 1990-92.
Joined as Distributor-cum-Applicator for FOSROC from 1993-94.
Joined Sika India Ltd. as Distributor-cum-Applicator from 1994 till date.
Joined Motor Industries Co. Ltd. as Accredited Dealer in 2001.

02. **Mrs. Barnali Bera, B.Sc. (Chem. Hons.), M.A., LLB.**
Director & Chemical Advisor

14 years involvement in Construction Chemical Application.
Executing the duty of Chemical Advising for different jobs.

03. **Mr. Sangram Kesari Das - Mechanical Engineer**
Manager

12 years experience in Civil Construction, Chemical Application, Job planning & Execution and Office Management.

04. **Mr. Aswini Kumar Ray B.A.**
Asst. Manager.

6 years experience.

05. **Mr. Gangadhar Hasda - B. Com.**
Accountant-cum-Office Incharge.

13 years experience.

06. **Mr. Soumya Ranjan Jati - B. Com (Pass), CMA (Final).**
Accountant.

7 years experience.

07. **Mr. Sudhansu Ku. Panda - B. Engg. in Civil**
Site Engineer

19 years experience in Construction Chemical Application & Civil.
Taking responsibility as in inspection & work supervision.

08. **Mr. Kshetra Mohan Sahu - Diploma Engineer in Civil**
Site Engineer
5 years experience in Construction Chemical Application.
Taking responsibility as in inspection & work supervision and Mechanical Maintenance of Machineries.

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

For The
Structural Works (P) Ltd.
Sangram Kesari Das
Manager

Authorised Dealer-cum-Applicator of
SIKA INDIA Pvt. LIMITED
AN ISO 9001 COMPANY
AN INDO SWISS JOINT VENTURE

DEALS IN : ROAD CONSTRUCTION

SPECIALIST IN : MODERN WATER PROOFING AND ANTICORROSIVE COATING • PROTECTING & STRENGTHNING RCC STRUCTURES • GROUPING INDUSTRIAL FLOORING LINNINGS • SEALING OF EXPANSION JOINTS • SHORT CONCRETING SOIL TABLIZING

ISO - 9001
DNV
CERTIFIED FIRM

09. **Mr. Om Prasad Mohanty - Electrical Engineer**
Plant Engineer

11 years experience in Electrical Maintenance of Machineries and executing the duty of Site-in-charge.

10. **Smt. Madhusmita Pattnaik - Diploma Engg. in Civil**
Site Engineer

6 years experience in Road Construction. & Civil.
Taking responsibility as in inspection & work supervision.

11. **Mr. Santosh Ku. Sahoo - I.T.I. in Mechanical Trade**

10 years experience in Road Construction & Chemical Application.
Taking responsibility as in inspection & work supervision and Mechanical Maintenance of Machineries.

12. **Mr. Akshaya Ku. Khuntia**
Sr. Supervisor

9 years experience in Road Construction.

13. **Mr. Debadatta Rout - B.A.**

6 years experience in Chemical Application & Road Construction.

14. **Mr. Abhaya Kumar Barik - B.A.**
Plant Incharge

11 years experience in experience in Machineries Maintenance.

15. **Mr. Narottam Mallik - B.A.**
Site Incharge / Sr. Supervisor / Survyer.

10 years experience in Chemical Application & Road Construction.

16. **Mr. Pradeep Kumar Swain - B.A.**
Sr. Supervisor

5 years experience in Chemical Application & Road Construction.

17. **Skilled Operators : 6 nos.**

18. **Semi-Skilled Helper : 8 nos.**

29. **Non-skilled : 10 nos.**

For The Seal Coat Structural Works (P) Ltd
Managing Director

Signature of Tenderer

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

For The Seal Coat
Structural Works (P) Ltd.
Manager

- 0246

पंजाब नैशनल बैंक punjab national bank

MID CORPORATE CENTRE, BHUBANESWAR
Plot No- A 32, Kharvel Nagar, Bhubaneswar-751001, email:clpc6212@pnb.co.in

Date:28.10.2021

TO WHOMSOVER IT MAY CONCERN

This is to certify that M/s The seal Coat Structural Works(P) Ltd.,Super Class Contractor is a reputed company with a satisfactory financial standing.

The Firm is sanctioned with a Working Capital Cash Credit limit of Rs 6.30 Crore from our bank.If the contract for the work namely "Special Repair (Structural) to the Dhauli Shanti Stupa for the year 2021-22 on Turnkey basis" involving design and execution of works is awarded to the above firm, the firm may utilize the above Working Capital Cash Credit limit for the execution of the above project subject to availability of the limit and fulfilling of the banks terms & conditions.

It is clarified that this information is furnished without any risk and responsibility on our part in any respect whatsoever more particularly either as guarantor or otherwise. This certificate is issued at the specific request of the customer."

For Punjab National Bank
Chief Manager

Name Of the Bank: Punjab National Bank
Name of the Chief Manager: Shri B. K. Pradhan
Address: MCC, Bhubaneswar, Plot No- A 32,
Kharvel Nagar, Bhubaneswar-751001
Email ID: clpc6212@pnb.co.in

PUNJAB NATIONAL BANK SOL ID 6212 MCC BHUBANESWAR

For The Seal Coat Structural Works (P) Ltd
Besant Das
Managing Director
Signature of the Bidder/Contractor

For The Seal Coat Structural Works (P) Ltd.
Sarfm Kali Dy Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

1.11 Information on litigation history in which the Bidder is involved. [Refer ITB Clause 4.2(i)]

Other party(ies)	Employer	Cause of Dispute	Amount Involved	Remarks showing Present status
	Not Applicable			

For The Seal Coat Structural Works (P) Ltd

Managing Director

Signature of the Contractor

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

THE SEALCOAT
STRUCTURAL WORKS (P) LTD.
FLAT NO. 1, PARK TOWER, EKAMRA MARG, GANGANAGAR, UNIT-VI, BHUBANESWAR-751001, PH-(0674)2595059, FAX-2595159
GRAM : SEALCOAT, E-mail : sealcoatbbsr@gmail.com

Sika Chemicals to be used for the Work of Special repair Structural to the Dhauli Shanti Stupa for the year 2021-22 on Turnkey basis.

Sl.no	Item Description	Product Name
1	Application of corrosion inhibitors	Sika Ferrogard 903
5	Application of zinc-based epoxy	Friazinc R
6	Application of solvent free epoxy resin	Sikadur 32
7	Repair excessively damaged members with micro concrete	SikaRep Microcrete 4
10 b	Low Viscosity epoxy Grouting	Sikadur 52 Lp In
11	Application of waterproofing compound on exterior surface. Waterproofing membrane based on modified polyurethane technology which contributes to Green Building	Sikalastic 560
12	Anti-Carbonation Exterior Painting	Sikalastic 551 S Elastic Primer
		Sikagard 550 w

For The Seal Coat Structural Works (P) Ltd
Jeswajit Bhupen
Managing Director

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

ISO - 9001
DNV
CERTIFIED FIRM

Authorised Dealer-cum-Applicator of
SIKA INDIA Pvt. LIMITED
AN ISO 9001 COMPANY
AN INDO SWISS JOINT VENTURE

DEALS IN : ROAD CONSTRUCTION
SPECIALIST IN : MODERN WATER PROOFING AND ANTICORROSIVE COATING • PROTECTING & STRENGTHNING RCC STRUCTURES • GROUPING INDUSTRIAL FLOORING LINNINGS • SEALING OF EXPANSION JOINTS • SHORT CONCRETING SOIL TABIZING

Product Data Sheet
Edition 7, 2003
Identification no. 8 (x)
Sika® FerroGard - 903

Sika® FerroGard - 903

Corrosion Inhibiting Impregnation

Description

Sika® Ferrogard - 903 is a corrosion inhibiting aqueous impregnation for concrete.

Sika® Ferrogard - 903 penetrates the concrete by liquid and vapour diffusion.

Sika® Ferrogard - 903 has a high affinity to steel and forms a protective coating on the steel surface.

Uses

- A prophylatic corrosion protection of steel reinforced concrete structures above and below ground.
- During repair and maintenance of reinforced structures, as treatment of reinforcing steel which is corroding, or susceptible to being corroded in areas without any visible concrete defects.
- Due to its properties **Sika® Ferrogard - 903** is especially suitable to extend the service life of aesthetically fair faced concrete.

Advantages

- Does not change the appearance of the concrete texture
- Does not alter the water vapour diffusion capacity
- Economical extension of the service life of reinforced concrete structures
- Uncomplicated, economical application

Application

Application Temperature : Substrate and ambient temperature min. +5°C, max. + 40°C

Substrate : Free from dust, dirt, oil, grease, effloroscence, old coatings. Cleaning preferably by high pressure water jet. Best results will be obtained on dry, absorbent substrates. Total consumption 0.3 - 0.5 kg/m². Minimum total quantity to be applied not less than 0.3 kg/m².

Application Procedure : The number of coats to be applied depends on the absorbency of the substrate. Normally 3 to 5 coats are required. The interval between the application of different coats of **Sika® Ferrogard - 903** are at the discretion of the application.

Application : **Sika® Ferrogard - 903** is supplied ready for use and may not be diluted. The product must be applied to saturation by brush, roller or low pressure hand spray gun. Concrete surfaces treated with **Sika® Ferrogard - 903** must be wetted down once or twice with clean water after 2 days.

Cleaning : Use water to clean implements.

Limitations : **Sika® Ferrogard - 903** may not be applied if frost or rain is expected. Drying time is approx. 6 hours. Sika Ferrogard should not be used if the chloride content at reinforcement depth is higher than 1% (by wt. of cement).

Visible concrete defects (spalling, cracks) must be repaired using conventional repair methods (removal of damaged concrete, treatment of reinforcement, reprofiling). Depending on the substrate condition the application of **Sika® Ferrogard - 903** may lead to a slight darkening of the surface.

Sika®

10/1/22
Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

For
Structural Works (P) Ltd.
Manager

Technical Data

Colour	:	Transparent liquid
Density	:	Around 1.13 kg/l
pH	:	Around 11
Storage/Shelf Life	:	18 months when stored in original container and in normal condition
Packaging	:	120 kgs./20 kgs./5 kgs.

Handling Precautions

SIKA Products are generally quite harmless, provided certain precautions are taken for handling chemicals. Avoid contact with foodstuff and food utensils. Avoid prolonged skin contact. Wear protective clothing, gloves etc. (barrier cream). In the event of contamination, wash thoroughly with water. If the eye or mouth is affected, wash with clean water immediately and obtain medical attention.

Special Note

Although it is advisable to use all our products in combination for best results, the customers are however free to use the supplementary components produced by other manufacturers in case they are confident of obtaining satisfactory performance. Our warranty on products, however, limited to the use of our products only.

Important Note

The information given in this data sheet is based on many years' experience and is correct to the best of our knowledge. However, since success of application of our products is dependent on number of factors, we can only be responsible for quality of our products at the time of despatch. Certain changes are possible in the product data sheet as we are constantly endeavouring to improve it through our R&D. Hence, in the event of any doubt on critical parameter, it is advisable to seek clarification from our technical personnel.

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O.B. & C.C. Ltd.
Bhubaneswar

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Authorised Representatives :Bangladesh, Maldives, Nepal, Sri Lanka

For The Sec.
Structural Works (P) Ltd.
Manager

Product Data Sheet
Edition 7, 2003
Identification no. 8 (xi)
Friazinc® R

Friazinc® R

Epoxy Based Zinc Rich Corrosion Protection Primer

Description

High pigmented, zinc rich primer based on epoxy resin.

Uses

As protective coating or as primer. Specially suitable for objects subjected to mechanical wear, e.g. pressure pipe lines, gates, penstocks, tanks etc. This can also be used as anti-corrosive coating for reinforcement rods.

Advantages

- Easy to apply
- Fast application
- Resistant to chemical attack
- High mechanical properties
- Good adhesion to substrate
- Easy to clean
- In situ galvanising effect
- High resistance to corrosion for mild steel structures

Coverage

Around 0.15 kg. per sq. mtr. per coat depending on application.

Colour

Friazinc® R is available in Grey colour.

Instructions for Use

Surface Preparation : Blast cleaning is the best. If cleaned by alternate means, substrate should be free from rust.

Mixing : Stir component 'A' well to remix any settled material. Add component 'B' to component 'A' in the ratio of 6 : 94 by weight.

Then mix thoroughly for about 3 to 5 minutes until a smooth and even consistency is achieved, using recommended electric hand drill and stirrer.

Application : The surface to be coated should be prepared well before mixing of the two components of **Friazinc® R**. The mixed material should be applied by appropriate brush and should be consumed within 2 hours after mixing at 30°C.

Cleaning : Wash all tools with **Sika's Colma Cleaner** immediately after use. Hardened material can only be removed mechanically.

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For ...
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

Technical Data

Mixing Ratio	:	Comp. A : Comp. B = 94 : 6 (by weight)
Mixed Density at 30°C, kg/lit.	:	Around 2.05
Workable life at 30°C, hour	:	Arround 2
Recoatable	:	After 24 hours
Full cure at 30°C, days	:	7
Storage condition	:	Cool and dry place in original container
Shelf Life	:	For best result use before six months

Handling Precautions

SIKA Products are generally quite harmless, provided certain precautions are taken for handling chemicals. Avoid contact with foodstuff and food utensils. Avoid prolonged skin contact. Wear protective clothing, gloves etc. (barrier cream). In the event of contamination, wash thoroughly with water. If the eye or mouth is affected, wash with clean water immediately and obtain medical attention.

Special Note

Although it is advisable to use all our products in combination for best results, the customers are however free to use the supplementary components produced by other manufacturers in case they are confident of obtaining satisfactory performance. Our warranty on products, however, limited to the use of our products only.

Important Note

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*Authorised Representatives :*Bangladesh, Maldives, Nepal, Sri Lanka

For The Seal Coat
Structural Works (P) Ltd.
Manager

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PRODUCT DATA SHEET

SikaRep® Microcrete-4

READY TO USE NON-SHRINK, CEMENTITIOUS MICRO CONCRETE

DESCRIPTION

SikaRep® Microcrete-4 is factory designed pourable, non shrink, repair concrete with selected cement, aggregate and other chemicals. Recommended water and coarse aggregate to be added at site as per requirement.

USES

SikaRep® Microcrete-4 is mainly recommended for the repair of damaged concrete structures e.g.

- Columns
- Beams
- Slabs, etc.

It is also recommended for grouting of large gaps.

CHARACTERISTICS / ADVANTAGES

A properly designed concrete which can be pumped of poured into restricted.

- Placement without any vibration.
- Expansion system compensates for shrinkage settlement in plastic stage.
- Easy to mix and apply, high flow characteristic, rapid strength development,
- Good bond with old concrete.
- Contains no added chloride.

APPROVALS / STANDARDS

ASTM C1107

PRODUCT INFORMATION

Packaging	30 kg bags			
Appearance / Colour	Grey powder			
Shelf Life	6 months from date of production			
Storage Conditions	Store properly in undamaged and unopened, original sealed packaging, in dry conditions at temperatures between +5°C and +40°C. Protect from moisture, direct sunlight and frost.			
Density	1.2 kg/l (of fresh mortar)			
Compressive Strength	Ambient temperature: +30°C (According to ASTM C 109 , 70mm Cube)			
	1 day	**3 days**	**7 days**	**28 days**
	≥ 25 N/mm²	≥ 35 N/mm²	≥ 45 N/mm²	≥ 65 N/mm²
Tensile Strength in Flexure	Ambient temperature: +30°C (According to ASTM C 293-79)			
	7 days		**28 days**	
	≥ 7 N/mm²		≥ 8 N/mm²	

For Structural Works (P) Ltd.
Manager

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Bhubaneswar

APPLICATION INFORMATION

0254

Mixing Ratio	Water: Powder = 0.14 to 0.16 by weight (4.2 l to 4.8 l water per 30 kg bag) dependent on the desired flow. Mixing time should be minimum 5 minutes.
Consumption	~2200 kg / m3 At water: powder ratio 0.14

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

All concrete surfaces should be clean, sound and free from loose particles, oil, grease, etc. Metal surfaces should be scale, rust, oil and grease.

MIXING

SikaRep® Microcrete-4 can be mixed both in paddle type and slow speed grouting mixture or drum type concrete mixer. In both the cases the SikaRep® Microcrete-4 is to be added to water and mix till a pourable consistency is obtained with recommended water –powder ratio as per technical data.
Put around 80 to 90% of required water in the mixing drum, followed by SikaRep® Microcrete-4 and then add the balance water.
Do not mix more material, which cannot be used within Pot Life. DO NOT ADD EXTRA WATER.

APPLICATION

Pour the SikaRep® Microcrete-4 after mixing into the area to be covered /filled.
During filling if required, ensure proper air displacement.

Note: Concrete can also be produced with addition of 10mm down aggregate in proportion of 2:1 (SikaRep® Microcrete-4: Coarse Aggregate) by weight.

CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be removed mechanically.

LIMITATIONS

When ready to pour SikaRep® Microcrete-4 is workable for 20 minutes after mixing at +30°C).
Ensure formwork is secure and watertight to prevent movement and leaking during placing and curing.
Use chilled water for mixing in case of high ambient temperature.
Use hot water for mixing in case of very low ambient temperature.
In case using without addition of aggregates, not more than 100mm of layer thickness shall be poured.
For additional technical information on SikaRep® Microcrete-4 or other materials contact the technical services department.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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For The Seal Coat Structural Works (P) Ltd.
Manager

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Structural Works (P) Ltd.
Manager

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PRODUCT DATA SHEET

Sikadur®-52 LP (IN)

LOW VISCOSITY INJECTION RESIN

DESCRIPTION

Sikadur®-52 LP (IN) is two part, low viscosity, moisture insensitive injection-liquid, based on high strength epoxy resin.

USES

As an injection resin with good adhesion to dry concrete, mortar, stone, steel and wood. Sikadur®-52 LP(IN) is used to fill and seal voids and cracks in structures such as bridges and other civil engineering buildings, industrial and residential buildings, e.g. columns, beams, foundations, walls, floors and water retaining structures. Sikadur®-52 LP(IN) is suitable for ASTM C 881, Type II and IV, Grade-1, Class E+F

CHARACTERISTICS / ADVANTAGES

- Solvent-free
- Suitable for both, dry and damp conditions
- Usable at low temperatures
- Shrinkage free hardening
- High mechanical and adhesive strengths
- Hard but not brittle
- Low viscosity
- Injectable with single component pumps

PRODUCT INFORMATION

Chemical Base	Epoxy Resin
Packaging	1 kg (A+B) Pre-batched unit. Part A: 0.80 kg metal container Part B: 0.2 kg metal container
Colour	Part A: Colourless Part B: Pale Yellow Part A+B mixed: Clear Pale yellow
Shelf Life	12 months from date of production
Storage Conditions	Stored properly in unopened, undamaged and sealed original packaging, in dry conditions at temperatures between +5°C and +40°C.
Density	Mixed Density : 1.1 kg/l (at +27°C)
Viscosity	~ 250 mPas at +30°C

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Compressive Strength		(According to ASTM D 695)
	Curing time	**Curing Temperature +30°C**
	7 days	~ 65 N/mm²
		(According to ASTM C 579)
	Curing Time	**Curing Temperature +30°C**
	7 days	~ 70 N/mm²
Tensile Strength in Flexure		(According to ISO 178)
	Curing Time	**+30⁰ C**
	7 days at +30⁰ C	~50 N/mm²
Tensile Strength	~ 50 N/mm² (after 7 days at +30°C cure)	(According to ASTM D 638)
Modulus of Elasticity in Tension	~ 2000 N/mm² (after 7 days at +30°C cure)	(According to ASTM D 638)
Elongation at Break	Tensile Elongation (%) ~ 1.9%	(According to ASTM D 638)
Shrinkage	Passes	(According to ASTM C 883)
Consumption	Consumption/Yield : 1.11 kg of Sikadur®-52 LP (IN) is ~ equal to 1 l injection resin.	
Substrate Temperature	+10°C min. / +40°C max.	
Substrate Moisture Content	Dry condition	
Pot Life	1 kg mass	(According to ASTM C 881)
	Temperature	Time
	+30⁰ C	~ 50 min.

APPLICATION INSTRUCTIONS

Maximum width of cracks to be injected: 5 mm.
Sikadur®-52 LP (IN) is suitable for dry and moist condition.

SUBSTRATE PREPARATION

Requirements:
Sound, clean, free from oil and grease and surface treatments etc.
Pre-treatment for good bond:
Concrete, mortar, stone should be thoroughly prepared by high pressure water jetting or mechanical means such as grinding, chiselling etc. Cracks must be cleaned to remove dust with compressed air.

MIXING

Part A : Part B = 0.8 : 0.2 (by weight)
Mixing Time :
Pre-batched packaging:
Add all of part B to part A. Mix with an electric mixer at slow speed (max. 250 rpm) for at least 3 minutes. Avoid entraining air.
Bulk packaging:
Add both parts in the correct proportion into a suitable clean, dry container and mix in the same way as for the pre-batched units.

APPLICATION METHOD / TOOLS

Successful application depends on very careful preparation. The surface to be treated must be structurally sound, free from standing water, oil, grease, surface contaminants. Dirt, dust and other foreign materials must be removed. Concrete which is fully contaminated with oil / grease, must be removed to the depth of sound & uncontaminated concrete.
Impregnation of cracks on horizontal slabs:
Impregnation is applied with a paint brush or roller until complete saturation of the substrate is achieved. Cracks are sealed by pouring mixed Sikadur® 52 LP(IN) directly from the mixing vessel between two "dams" made from Sikaflex® sealant. Crack penetrating slabs to their soffit should first be sealed on the underside with Sikadur®-31 epoxy mortar or a suitable cementitious Sika mortar.
Injection of cracks on horizontal / vertical slabs:
Injection flange / nipples are fixed along the crack line at an approximately 25 cm center-to-center distance with Sikadur®-31. Crack mouth should be opened and sealed with Sikadur®-31. Crack penetrating slabs to their soffit should also be sealed on the underside with Sikadur®-31 epoxy mortar or a suitable cementitious Sika mortar. Mixed Sikadur®-52 LP (IN) can be injected under pressure through
injection ports using injection pump, such as Aliva AL-1200, AL-1250 or the Sika® Hand Pump. As soon as injection resin oozes out of the next injection port, the first one is sealed and injection process is continued from next port.
For horizontal crack, injection should start from any of the ends and to be continued and completed till the last port is used. For vertical crack, injection should start from the lowest port and continued upwards.
After completion of the injection process, the injection ports as well as the sealing materials between the ports are removed.

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CLEANING OF TOOLS

Clean all tools and application equipment with Sika® Colma-Cleaner immediately after use. Hardened / cured material can only be mechanically removed.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

ECOLOGY, HEALTH AND SAFETY

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For The Seal Coat
Structural Works (P) Ltd.
Manager

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PRODUCT DATA SHEET

Sikagard®-551 S Elastic Primer

PRIMER FOR VERY DENSE OR POROUS CONCRETE SURFACES OR DIFFICULT APPLICATION CONDITIONS

DESCRIPTION

Sikagard®-551 S Elastic Primer is a one part, silane siloxane modified primer for all kinds of concrete surfaces and/or difficult application conditions.

USES

- Priming of very dense concrete
- Priming of very porous concrete (having a tensile strength lower than 1 N/mm²)
- Sikagard®-551 S Elastic Primer can also be used as primer on firmly adhering existing solvent based coatings

CHARACTERISTICS / ADVANTAGES

- Deep penetration
- Water vapour permeable
- Surface strengthening

PRODUCT INFORMATION

Chemical Base	Solvent based polymer binder
Packaging	5 kg x 2
Appearance / Colour	Slightly yellowish liquid
Shelf Life	6 months from date of production
Storage Conditions	Store properly in undamaged and unopened original sealed packaging in cool and dry conditions. Protect from direct sunlight and frost.
Density	~0.9 kg/L (at +27°C)
Flash Point	~33°C

SYSTEM INFORMATION

System Structure	1 x Sikagard®-551 S Elastic Primer

APPLICATION INFORMATION

Mixing Ratio	The material is supplied ready for use. Stir thoroughly prior to application.
Consumption	0.10 - 0.15 kg/m² dependent on the absorbency of the substrate
Ambient Air Temperature	+10°C min. / +40°C max.

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Structural Works (P) Ltd.
Sarpm Kesheri Dy Manager

Sr. Project Manager
Ekamra Division
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0260

Relative Air Humidity	< 80%
Dew Point	Substrate and ambient temperature must be at least 3°C above dew point.
Substrate Temperature	+10 °C min. / +40 °C max.
Waiting Time / Overcoating	Waiting time before coating: **Temperature** / **Time** +10 °C / 24 hours +30 °C / 6 hours +40 °C / 5 hours Note: When application is on existing coating, waiting time prior to over-coat the primer will increase by 100%. Both water dispersed and solvent containing coating system can be used as subsequent topping.
Curing Treatment	Sikagard®-551 S Elastic Primer does not require any special curing but must be protected from rain for at least 6 hours at +20 °C.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

The substrate can be dense or porous (tensile strength < 1 N/mm²) but must be free from loose and friable particles.

Exposed concrete without existing coating
Suitable preparation methods are steam cleaning, high pressure water jetting or blastcleaning. New concrete must be at least 28 days old.

Thin layer renderings
If required, a levelling pore sealer (e.g. Sikagard®-694 F(I), Sikadur®-31 IN, Sikadur® PF, etc.) shall be applied. Allow a curing time of at least 4 days before to proceed with the priming.

Exposed concrete with existing coating
Existing coatings must be tested to confirm their adhesion to the substrate

- For subsequent top rigid coating : Adhesion test average > 1.0 N/mm² with no single value below 0.7 N/mm²
- For subsequent top elastic coating : Adhesion test average > 0.8 N/mm² with no single value below 0.5 N/mm²

Please refer to the relevant Method Statement for more details.

For water based coating, use Sikagard®-552 W Aquaprimer as primer.

For solvent based coating, use Sikagard®-551 S Elastic Primer as primer.

In case of doubt, carry out adherence testing to determine which primer is most suitable - wait at least 2 weeks prior to conduct the adhesion test.

APPLICATION

Sikagard®-551 S Elastic Primer is supplied ready for use. Stir thoroughly prior to application.
Sikagard®-551 S Elastic Primer can be applied by brush, roller or airless spray.
With very dense substrate up to 10% Sika Thinner C may be added to Sikagard®-551 S Elastic Primer to increase penetration.

CURING TREATMENT

Sikagard®-551 S Elastic Primer does not require any special curing but must be protected from rain for at least 6 hours at +20°C.

CLEANING OF TOOLS

Clean all tools and application equipment with Sika® Thinner C immediately after use. Hardened / cured material can only be removed mechanically.

FURTHER DOCUMENTS

Please refer to the Product Data Sheet of Sikagard® 550 W IN.
Please refer to the Product Data Sheet of Sikagard® 680 MY.
Please refer to the relevant Method Statement.

LIMITATIONS

Do not apply when there is:

- Expected rain
- Relative humidity > 80%
- Temperature below +10°C and/or below dew point
- Concrete younger than 28 days

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

For The Seal Coat
Structural Works (P) Ltd.
Manager

BUILDING TRUST

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

Sika India Pvt. Ltd.
620, Diamond Harbour Road
Commercial Complex II
Kolkata - 700 034
Tel : +91 33 24472448
Fax : +91 33 23978688
Mail : info.india@in.sika.com

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

For The Seal Coat Structural Works (P) Ltd.
Manager

BUILDING TRUST

Sikagard® 550 W Elastic

One Component Crack Bridging Protective Coating for Fair-Faced Concrete

Description

Sikagard® 550W Elastic is a 1-pack, plastoelastic, crack bridging coating for concrete. **Sikagard® 550W Elastic** is based on acrylic dispersion with good crack bridging properties.

Uses

Protective coating for :

- Bridge parapets and cantilevers
- Supporting walls
- Kerbs
- Pillars
- Retaining walls
- Storerooms and production areas

Advantages

- Crack bridging
- High diffusion resistance against CO_2
- Water vapour permeable
- Excellent resistance against weathering and ageing
- No brittleness under UV
- One component
- Solvent free
- Non-inflammable

Coverage

Sikagard® 551S Elastic Primer 0.20 to 0.25 kg/m² per coat depending on the substrate

Sikagard® 550W Elastic approximately 0.30 kg/m² per coat depending on the substrate

Instruction for use

Substrate	Substrate must be dry, solid, free of dust and loose & friable particles, grease and oil.
Preparation of Substrate	Substrate should be thoroughly prepared by proper tools to remove above-mentioned materials.
Preparation of material	**Sikagard® 551S Elastic Primer** and **Sikagard® 550W Elastic** are supplied in ready to use form. Stir thoroughly before application.
Coating	1 coat **Sikagard® 551S Elastic Primer** 2 coats of **Sikagard® 550W Elastic**
Application method	**Sikagard® 551S Elastic Primer** is to be applied by brush or roller. **Sikagard® 550W Elastic** by brush, distemper brush or roller. Large areas must be coated by roller brush or airless spraying.

Sika®

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

For The Seal Coat
Structural Works (P) Ltd.
Manager

Waiting time between applications Minimum 6 hours at 30°C between Primer and Top Coat. For successive Top Coats wait till the previous layer has dried thoroughly.

Important recommendations Minimum application temperature for substrate and ambient is + 10°C.

Technical Data

Form

Sikagard® 551S Elastic Primer	: White thin liquid
Sikagard® 550W Elastic	: White thick liquid

Density at 30°C, kg/lit.

Sikagard® 551S Elastic Primer	: Around 1.01
Sikagard® 550W Elastic	: Around 1.30
Dry film thickness for 0.3 kg/m² application micron	: Around 100
CO_2 diffusion resistance m CO_2	: 1.88×10^5
Equivalent air layer thickness, M	: 78
Shelf life	: At least 6 months in original container
Storage condition	: Cool, dry place, free from frost

Packing

Sikagard® 551S Elastic Primer	: 20 kg HDPE Container
Sikagard® 550W Elastic	: 20 kg HDPE Container

Handling Precautions

SIKA Products are generally quite harmless, provided certain precautions normally taken when handling chemicals are observed. Avoid contact with food stuff and food utensils. Avoid prolonged skin contact. In the event of contamination, wash thoroughly with water. If the eye or mouth is affected, wash with clean water immediately.

Important Note

The information given in this data sheet is based on many years' experience and is correct to the best of our knowledge. However, since success of application of our products is dependent on number of factors, we can only be responsible for quality of our products at the time of despatch. Certain changes are possible in the product data sheet as we are constantly endeavouring to improve it through our R&D. Hence, in the event of any doubt on critical parameter, it is advisable to seek clarification from our technical personnel.

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

Sika India Pvt. Ltd.
Commercial Complex II
620, Diamond HarbourRoad
Kolkata – 700034

Tel. : 033 2446 6594/6958 2447 2448/2449/2501/2505/9503
Fax : (033) 2468 8688/2665
E-mail : vdg@sikaindia.com
Website :www.sikaqualcrete.com

Ahmedabad : (079) 646 7910 Bangalore : (080) 551 4855 Chennai : (044) 2475 0796 Cuttack : (0671) 236 9143
Delhi : (011) 642 6009 Hyderabad : (040) 373 4335 Jaipur : 2286 4774 Mumbai : (022) 2758 0686
Pune : (020) 2435 9175 Siliguri : (0353) 242 1625

Authorised Representatives :Bangladesh, Maldives, Nepal, Sri Lanka

For The Seal Coat
Structural Works (P) Ltd.
Manager

SECTION –10

DOCUMENTS TO BE FURNISHED BY BIDDER

1. Documents as specified in Section 1, must be submitted by the Bidder in the Formats mentioned in Section 2 along with the BID.

2. Any other document, if asked by Employer during evaluation, shall be submitted by the bidder.

CHECKLIST OF DOCUMENTS TO BE SUBMITTED IN TECHNICAL BID

	Criteria	Document to be submitted	Reference Page No.
1	Bid Processing Fees	RTGS details	Yes
2	EMD/ Bid Security - Exempted. Bid Security Declaration to be provided	Bid Security Declaration Form as per Section II	"
3	Written power of attorney of the signatory of the Bid to commit the Bidder	Copy of power of attorney	"
4	Whether Indian firms (Y/N)	Certificate of Incorporation	"
5	OEM of waterproofing chemicals or paints for industrial application and/or their Authorized Applicator and/or service provider	Relevant Certificate	Yes
6	Constitution or legal status of Bidder	Incorporation Certificate, Partnership Deed, Trade License, MoA, AoA	Yes
7	Place of registration		Yes
8	Principal place of business		Yes
9	Major items of construction equipment proposed to carry out the Contract	Invoices of equipment / Lease agreement	Yes
10	Qualifications and experience of key site management and technical personnel proposed for the Contract	Detailed CV as per format provided in Section 2	Yes
11	Reports on the financial standing of the Bidder, such as profit and loss statements and auditor's reports for the past five financial years	CA Certificate along with Audited Financial report for the relevant Financial Years	Yes
12	Evidence of adequacy of working capital for this contract [access to line (s) of credit and availability of other financial resources]; Liquid assets and / or availability of fund-based credit facilities/ overdraft facilities	Banker's certificate	Yes
13	Authority to seek references from the Bidder's bankers	Bankers Details	Yes
14	Information regarding any litigation, arbitration, debarment, termination, notice for recession of contract, abandonment of work, etc. resulting from contracts executed or under execution by the bidder within the last five years of bid submission due date of this tender. The information shall include the name of the employer with contact details, description of work, agreement no., status and matter of dispute and/or issues, contact details of	List of litigation, arbitration, debarment, termination, notice for recession of contract, abandonment of work, etc.	Yes

For The Seal Coat Structural Works (P) Ltd

Managing Director

For The Seal Coat Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd
Bhubaneswar

	employer		
15	~~Methodology & Programme.~~	~~To be submitted in Cover-III as DBR~~	
16	Bids from Joint venture - Bids from Joint ventures / Consortiums / Association of Parties are not acceptable	To be mentioned in Bidder's letter head	NA
17	Annual minimum turnover	Turnover from Civil Construction works certified by chartered accountant	Yes
18	The Firm should demonstrate making profit	CA Certificate	Yes
19	Should have valid PAN and GSTIN	Scan copy of valid PAN and GSTIN	Yes
20	Experience of successful completion of works / substantial completion of works (90% of the value of the contract to be considered as substantial completion) as referred in Bid Data Sheet Cl. 4.4.A(b).	Completion Certificate from Competent Authority mentioning all the details as per Bid Data Sheet/TDS Certificate for Pvt Sector Project	Yes
21	Bid Validity Undertaking	Undertaking	Yes
22	Affidavit	Affidavit by the bidder duly signed by the Notary Public and as specified in Section 2.	Yes
23	Design Basis Report	As mentioned in the RFP	Yes

For The Seal Coat Structural Works (P) Ltd
Biswajit Bhuyan

Managing Director

10/1/22
Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

For The Seal Coat
Structural Works (P) Ltd.
Sanjan Kumar
Manager

0266

U.K. Mahapatra & Co.
Chartered Accountants

237, Bapuji Nagar, 2nd Floor,
Bhubaneswar - 751 009
Telefax : 0674-2597956, 2597620
E-mail : fcaukmandco@gmail.com

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Gross Turnover of M/S. THE SEAL COAT STRUCTURAL WORKS PRIVATE LIMITED, having its registered office at 43-P, Flat No.1, Park Tower, Ekamra Marg, Unit-6, Bhubaneswar-751 001 (AABCT0746N) for last 5 years are as follows:-

Financial year	Civil Work (In Rs.)	Sales (In Rs.)
2015-16	346077290.01	72528079.32
2016-17	133831983.00	72946465.00
2017-18	93693135.30	59088213.46
2018-19	38322324.83	69943887.98
2019-20	59659421.23	56280553.80

The Turnover as mentioned above has been verified from the books of account maintained by the company and is meant to be produced before the bank.

Place: Bhubaneswar

Date : 16.10.2020

For U.K. MAHAPATRA & CO.
Chartered Accountants.

(MANAS KUMAR MANIA)
Partner
M.No. 300113

UDIN: 20300113AAAADF2378

For The Seal Coat Structural Works (P) Ltd

Managing Director

True Copy Attested

Jagyneswar Acharya
Notary, Govt. of India
Odisha, BBSR, Dist-Khurda
Regd. No. 7791/2009

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

0267

M/S THE SEALCOAT STRUCTURAL WORKS PVT. LTD.
43-P, FLAT NO: 1, PARK TOWER, EKAMRA MARG, UNIT-VI
BHUBANESWAR-751 001
CIN: U45203OR1997PTC005046

BALANCE SHEET

(Figures in Rs)

	Note		As at 31st March,2020		As at 31st March,2019
I.ASSETS					
1) Non-current assets					
a) Fixed assets	2				
Tangible assets		14682504.86		16332857.58	
b) Non current Assets		1052416.27		1197675.04	
c) Long Term Loans & Advances	4	26311124.74		24558490.74	
			42046045.87		42089023.36
2) Current Assets					
a) Inventories	5	38217906.21		39146727.24	
b) Trade Receivables	6	34681583.48		40498749.57	
c) Cash & Cash Equivalents	7	24996689.71		22913037.24	
d) Short Term Loans & Advances	8	32522927.53		28742935.38	
e) Other Current Assets	9	28106009.70		27110502.36	
			158525116.63		158411951.79
			200571162.50		200500975.15
II. EQUITY AND LIABILITIES					
1) Equity.					
a) Equity Share Capital	10	9146000.00		9146000.00	
b) Other Equity	11	71437552.59		69928868.82	
			80583552.59		79074868.82
2) Non-Current Liabilities					
a) Long-Term Borrowings	12	7975035.01		7164343.25	
b) Other Long Term Liabilities	13	11329431.40		11812124.72	
			19304466.41		18976467.97
3) Current Liabilities					
a) Short-Term Borrowings	14	63019691.86		66800156.63	
b) Trade Payables	15	25771351.53		28625232.13	
c) Other Current Liabilities	16	8783078.11		4340941.60	
d) Short-Term Provisions	17	3109022.00		2683308.00	
			100683143.50		102449638.36
			200571162.50		200500975.15
Significant Accounting Polices	1				
Notes to the Financial Statement	2 to 35				

For & On Behalf of Board

Biswajit Bhuyan

(BISWAJIT BHUYAN)
Managing Director
DIN 00823527

Bernali Bera

(BERNALI BERA)
Director
DIN 001959146

Signed in terms of our report of even data

For U.K. Mahapatra & Co.
Chartered Accountants
Regd. No.320039E

(MANAS KUMAR MANIA)
Partner
M.No.300113
UDIN:20300113AAAADB6808

Place : Bhubaneswar

Date :15.10.2020

True Copy Attested

Jagyneswar Acharya
Notary, Govt. of India
Odisha, BBSR, Dist-Khurda
7791/2009

For The Seal Coat Structural Works (P) Ltd.
Manager

For The Seal Coat Structural Works (P) Ltd.

Biswajit Bhuyan

Managing Director

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

M/S THE SEALCOAT STRUCTURAL WORKS PVT. LTD.
43-P, FLAT NO: 1, PARK TOWER, EKAMRA MARG, UNIT-VI
BHUBANESWAR-751 001
CIN: U45203OR1997PTC005046

STATEMENT OF PROFIT AND LOSS

(Figures in Rs)

	Note	For the Year Ended 31st March,2020	For the Year Ended 31st March,2019
INCOME			
I. Revenue from operations	18	115939975.03	108266212.81
II. Other Income	19	3747811.87	5527543.45
III. Total Revenue (I +II)		**119687786.90**	**113793756.26**
IV. EXPENSES			
Material & Contract Expense	20	99942656.86	92486204.77
Changes in Inventories	21	928821.03	35883.76
Employee Benefit Expense	22	4822955.36	5621055.99
Financial Costs	23	8260067.93	7698247.75
Depreciation & Amortization Expense	24	1730737.64	2671934.64
Other Expenses	25	1895091.53	2403165.52
Total Expenses		**117580330.35**	**110916492.43**
V. Profit before Tax		**2107456.55**	**2877263.83**
VI. Tax expense:			
1) Current tax Liability		425714.00	774998.00
2) Deferred tax Liability		(145258.77)	31979.57
VII. Profit/(Loss) for the period		**1536483.78**	**2134245.40**
VIII. Earning per equity share:			
1) Basic		1.68	2.33
2) Diluted		1.68	2.33
Significant Accounting Polices	1		
Notes to the Financial Statement	2 to 35		

For & On Behalf of Board

Beswajit Bhuyan

(BISWAJIT BHUYAN)
Managing Director
DIN 00823527

Barnali Bera

(BARNALI BERA)
Director
DIN 001959146

Signed in terms of our report of even data

For U.K. Mahapatra & Co.
Chartered Accountants
Regd. No.320039E

MKMania

(Manas Kumar Mania)
Partner
M.N.300113
UDIN:20300113AAAADB6808

Place : Bhubaneswar

Date :15.10.2020

For The Seal Coat Structural Works (P) Ltd

Beswajit Bhuyan

Managing Director

True Copy Attested

Jagyneswar Acharya
Notary, Govt. of India
Orissa, BBSR, Dist-Khurda
No. 7791/2009

For The Seal Coat Structural Works (P) Ltd.

Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

0269

U.K. Mahapatra & Co.

Chartered Accountants

237, Bapuji Nagar, 2nd Floor,
Bhubaneswar - 751 009
Telefax : 0674-2597956, 2597620
E-mail : fcaukmandco@gmail.com

M/S THE SEALCOAT STRUCTURAL WORKS PVT. LTD.
43-P, FLAT NO: 1, PARK TOWER, EKAMRA MARG, UNIT-6
BHUBANESWAR-751 001
CIN: U45203OR1997PTC005046

BALANCE SHEET

(Figures in Rs)

	Note		As at 31st March,2018		As at 31st March,2017
I.ASSETS					
1) Non-current assets					
a) Fixed assets	2				
Tangible assets		19004792.22		19105205.32	
b) Deferred Tax Assets (Net)	3	665695.46		555375.72	
c) Long Term Loans & Advances	4	38307076.10		38750263.03	
			57977563.78		58410844.07
2) Current Assets					
a) Inventories	5	39182611.00		34698513.00	
b) Trade Receivables	6	33331046.58		22573380.25	
c) Cash & Cash Equivalents	7	19328251.61		35655508.42	
d) Short Term Loans & Advances	8	10778664.74		12960690.21	
e) Other Current Assets	9	35354234.70		33821424.70	
			137974808.63		139709516.58
			195952372.41		198120360.65
II. EQUITY AND LIABILITIES					
1) Equity					
a) Equity Share Capital	10	9146000.00		9146000.00	
b) Other Equity	11	67863248.42		61909074.38	
			77009248.42		71055074.38
2) Non-Current Liabilities					
a) Long-Term Borrowings	12	4006945.00		4696719.35	
b) Other Long Term Liabilities	13	26642106.00		29874440.00	
			30649051.00		34571159.35
3) Current Liabilities					
a) Short-Term Borrowings	14	54506497.03		52347064.86	
b) Trade Payables	15	19616067.97		28628436.06	
c) Other Current Liabilities	16	2510481.00		1765909.00	
d) Short-Term Provisions	17	11661027.00		9752717.00	
			88294073.00		92494126.92
			195952372.42		198120360.65
Significant Accounting Polices	1				
Notes to the Financial Statement	2 to 33				

For & On Behalf of Board

Biswajit Bhuyan

(BISWAJIT BHUYAN)
Managing Director
DIN 00823527

Bernali Bera

(BERNALI BERA)
Director
DIN 001959146

Signed in terms of our report of even data

For U.K. Mahapatra & Co.
Chartered Accountants
Regd. No.320039E

MKMania

(MANAS KUMAR MANIA)
Partner
M.No.300113

Place : Bhubaneswar

Date : 10.08.2018

True Copy Attested
Bagyneswar Acharya
Notary, Govt. of India
JAJPUR ROAD, Dist-Khurda
No. 7791/2009

For The Seal Coat Structural Works (P) Ltd.
Manager

For The Seal Coat Structural Works (P) Ltd
Biswajit Bhuyan
Managing Director

U.K. MAHAPATRA & CO. BHUBANESWAR CHARTERED ACCOUNTANTS

Sr. Project Manager
Ekamra Divisi
O.B. & C.C. Ltd.

0270

U.K. Mahapatra & Co.
Chartered Accountants

237, Bapuji Nagar, 2nd Floor,
Bhubaneswar - 751 009
Telefax : 0674-2597956, 2597620
E-mail : fcaukmandco@gmail.com

M/S THE SEALCOAT STRUCTURAL WORKS PVT. LTD.
43-P, FLAT NO: 1, PARK TOWER, EKAMRA MARG, UNIT-6
BHUBANESWAR-751 001
CIN: U45203OR1997PTC005046

STATEMENT OF PROFIT AND LOSS

(Figures in Rs)

	Note	For the Year Ended 31st March,2018	For the Year Ended 31st March,2017
INCOME			
I. Revenue from operations	18	152781348.76	206778448.00
II. Other Income	19	4353461.32	7269935.80
III. Total Revenue (I +II)		**157134810.08**	**214048383.80**
IV. EXPENSES			
Material & Contract Expense	20	138526334.76	190086064.53
Changes in Inventories	21	(4484098.00)	(149966.00)
Employee Benefit Expense	22	3343847.00	3653056.00
Financial Costs	23	6864730.34	6451848.60
Depreciation & Amortization Expense	24	2453679.69	3167018.93
Other Expenses	25	2678152.00	2406161.75
Total Expenses		**149382645.79**	**205614183.81**
V. Profit before Tax		**7752164.29**	**8434199.99**
VI. Tax expense:			
1) Current tax		1908310.00	2667541.00
2) Deferred tax		(110319.74)	42633.98
VII. Profit/(Loss) for the period		**5954174.04**	**5724025.01**
VIII. Earning per equity share:			
1) Basic		6.51	6.26
2) Diluted		6.51	6.26
Significant Accounting Polices	1		
Notes to the Financial Statement	2 to 33		

For & On Behalf of Board

Biswajit Bhuyan

(BISWAJIT BHUYAN)
Managing Director
DIN 00823527

Barnali Bera

(BARNALI BERA)
Director
DIN 001959146

Signed in terms of our report of even data

For U.K. Mahapatra & Co.
Chartered Accountants
Regd. No.320039E

(Manas Kumar Mania)
Partner
M.N.300113

Place : Bhubaneswar

Date : 10.08.2018

True Copy Attested
22/10/18
Jagyneswar Acharya
Notary, Govt. of India
Office: BBSR, Dist-Khurda
No. 7791/2009

For The Seal Coat Structural Works (P) Ltd.
Manager

For The Seal Coat Structural Works (P) Ltd
Biswajit Bhuyan
Managing Director

U.K. MAHAPATRA & CO. BHUBANESWAR CHARTERED ACCOUNTANTS

10/1/21
Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

0271

U.K. Mahapatra & Co.
Chartered Accountants

237, Bapuji Nagar, 2nd Floor,
Bhubaneswar - 751 009
Telefax : 0674-2597956, 2597620
E-mail : fcaukmandco@gmail.com

M/S THE SEALCOAT STRUCTURAL WORKS PVT. LTD.
43-P, FLAT NO: 1, PARK TOWER, EKAMRA MARG, UNIT-6
BHUBANESWAR-751 001
CIN: U45203OR1997PTC005046

BALANCE SHEET

(Figures in Rs)

	Note		As at 31st March,2019		As at 31st March,2018
I.ASSETS					
1) Non-current assets					
a) Fixed assets	2				
Tangible assets		16332857.58		19004792.22	
b) Non current Assets		1197675.04		665695.46	
c) Long Term Loans & Advances	4	24558490.74		38307076.10	
			42089023.36		57977563.78
2) Current Assets					
a) Inventories	5	39146727.24		39182611.00	
b) Trade Receivables	6	40498749.57		33331046.58	
c) Cash & Cash Equivalents	7	22913037.24		19328251.62	
d) Short Term Loans & Advances	8	28742935.38		10778664.74	
e) Other Current Assets	9	27110502.36		35354234.70	
			158411951.79		137974808.64
			200500975.15		195952372.42
II. EQUITY AND LIABILITIES					
1) Equity					
a) Equity Share Capital	10	9146000.00		9146000.00	
b) Other Equity	11	69928868.82		67863248.42	
			79074868.82		77009248.42
2) Non-Current Liabilities					
a) Long-Term Borrowings	12	7164343.25		4006945.00	
b) Other Long Term Liabilities	13	11812124.72		26642106.00	
			18976467.97		30649051.00
3) Current Liabilities					
a) Short-Term Borrowings	14	66800156.63		54506497.03	
b) Trade Payables	15	28625232.13		19616067.97	
c) Other Current Liabilities	16	4340941.60		2510481.00	
d) Short-Term Provisions	17	2683308.00		11661027.00	
			102449638.36		88294073.00
			200500975.15		195952372.42
Significant Accounting Polices	1				
Notes to the Financial Statement	2 to 33				

For & On Behalf of Board

Biswajit Bhuyan

(BISWAJIT BHUYAN)
Managing Director
DIN 00823527

Bernali Bera

(BERNALI BERA)
Director
DIN 001959146

Signed in terms of our report of even data

For U.K. Mahapatra & Co.
Chartered Accountants
Regd. No.320039E

(MANAS KUMAR MANIA)
Partner
M.No.300113

Place : Bhubaneswar

Date : 01.10.2019

True Copy Attested
Jagyneswar Acharya
Notary, Govt. of India
BBSR, Dist-Khurda
7791/2009

For The Seal Coat Structural Works (P) Ltd
Managing Director

For The Seal Coat Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

0272

U.K. Mahapatra & Co.
Chartered Accountants

237, Bapuji Nagar, 2nd Floor,
Bhubaneswar - 751 009
Telefax : 0674-2597956, 2597620
E-mail : fcaukmandco@gmail.com

M/S THE SEALCOAT STRUCTURAL WORKS PVT. LTD.
43-P, FLAT NO: 1, PARK TOWER, EKAMRA MARG, UNIT-6
BHUBANESWAR-751 001
CIN: U45203OR1997PTC005046

STATEMENT OF PROFIT AND LOSS

(Figures in Rs)

	Note	For the Year Ended 31st March,2019	For the Year Ended 31st March,2018
INCOME			
I. Revenue from operations	18	108266212.81	152781348.76
II. Other Income	19	5527543.45	4353461.32
III. Total Revenue (I +II)		**113793756.26**	**157134810.08**
IV. EXPENSES			
Material & Contract Expense	20	92486204.77	138526334.76
Changes in Inventories	21	35883.76	(4484098.00)
Employee Benefit Expense	22	5621055.99	3343847.00
Financial Costs	23	7698247.75	6864730.34
Depreciation & Amortization Expense	24	2671934.64	2453679.69
Other Expenses	25	2403165.52	2678152.00
Total Expenses		**110916492.43**	**149382645.79**
V. Profit before Tax		**2877263.83**	**7752164.29**
VI. Tax expense:			
1) Current tax Liability		774998.00	1908310.00
2) Deferred tax Liability		31979.57	(110319.74)
VII. Profit/(Loss) for the period		**2134245.40**	**5954174.03**
VIII. Earning per equity share:			
1) Basic		2.33	6.51
2) Diluted		2.33	6.51
Significant Accounting Polices	1		
Notes to the Financial Statement	2 to 33		

For & On Behalf of Board

Biswajit Bhuyan

(BISWAJIT BHUYAN)
Managing Director
DIN 00823527

Barnali Bera

(BARNALI BERA)
Director
DIN 001959146

For The Seal Coat Structural Works (P) Ltd

Biswajit Bhuyan

Managing Director

Signed in terms of our report of even data

For U.K. Mahapatra & Co.
Chartered Accountants
Regd. No.320039E

MKMania

(Manas Kumar Mania)
Partner
M.N.300113

Place : Bhubaneswar

Date : 01.10.2019

True Copy Attested

Jagyneswar Acharya
Notary, Govt. of India
Jatani, BBSR, Dist-Khurda
Regd. No. 7791/2009

For The Seal Coat Structural Works (P) Ltd.
Manager

10/1/20

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

1.3.1 Work performed as prime Contractor (The Sealcoat Structural Works (P) Ltd.) on construction works of a similar nature and volume over the last five years. Attach certificate from the Engineer-in-charge.

Project Name	Employer	Name of the Division/ Project authority	Principal item of work	Agreement / contract No.	Value of contract (Rs. In lakhs)	Date of issue of work order	Stipulated date of completion	Completion cost	Actual date of completion	Remarks explaining reasons for delay in completion of work.
1	2	3	4	5	6	7	8	9	10	11
Improvement to Daspalla-Bhanjanagar Road from 8/080 Km to 13/320 Km (S.H-37) in the District of Nayagarh under (S.H.D.P) scheme for the year 2013-14	Executive Engineer, Nayagarh (R&B) Division, Nayagarh	Executive Engineer, Nayagarh (R&B) Division, Nayagarh, Odisha, India	Earth Work, WMM, BM, SDBC, PCC, RCC	66 P1 of 2013-14	10,18,71,781.00	04/03/2014	03/02/2015	9,93,86,501.00	03/02/2015	Within stipulated time.
Construction and maintenance of Rural Roads under PMGSY (ADB-RCIP) in the district of Puri (P.K Road To Khargaon)	Executive Engineer, RWD, Nimapara	Executive Engineer, RWD, Nimapara	Earth Work, GSB, WMM, Premix Carpet, Sealcoat, PCC, RCC	1 PMGSY (ADB)/T/II of 2014-15	6,55,45,000.00	27.06.2014	26.06.2015	6,01,11,000.00	26.06.2015	Work Completed satisfactorily.
	Total Work Executed for the year 2014-15 & 2015-16				16,74,16,781.00			15,94,97,501.00		
Repair of Track Hopper #II & III Rail Seat through Epoxy Treatment & Insert Grouting	Addl. General Manager (O&M/MGR) NTPC Ltd. Kaniha, Angul	Addl. General Manager (O&M/MGR) NTPC Ltd. Kaniha, Angul	Epoxy treatment & insert grouting	4000160709-064-1026 dtd.17.02.2016	23,10,720.00	04.04.2016	03.10.2016	24,61,167.00	03.10.2016	Work Completed satisfactorily.

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For The Seal Coat Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

Widening and strengthening of proposed Old Cuttack-Ganjam road (MDR-77) from Ch. 0/000 Km to 4.080 Km. (Baranga to Pitapalli) for the year 213-14 under State plan for the year 2013-14,	Executive Engineer, BBSR (R&B) divn. No-III, BBSR, Odisha	Executive Engineer, BBSR (R&B) divn. No-III, BBSR, Odisha	Earth Work, WMM, BM, SDBC, PCC (M-15, M-20, M-25), RCC, CC	09 P1 of 2014-15	18,23,33,571.00	03/12/2014	Eleven Calendar months	18,06,17,731.00	29.11.2017	Delay due to shifting of electric poles, cutting of trees & Land Dispute Work completed satisfactorily
Improvement of road from Rasulgarh Chhak to ODCL Chhak and Navayoug Exports Jn to ananada Hoten Jn in Manchewar I/E, BBSR	Divisional Head, IDCO, BCD-II, BBSR	Divisional Head, IDCO, BCD-II, BBSR	Earth Work, WMM, BM, SDBC, PCC, RCC	1 P-1/2017-18 dtd. 18.07.17	5,90,82,689.00	18.07.2017	26.09.2017	4,44,24,399.37	26.09.2017	Work Completed satisfactorily.
Repair & renovation of Basanta Manjari Swastya Niwas (BMSN) Chandapur in the district of Nayagarh for 2014-15	Executive Engineer, Rural Works Divn. BBSR	Executive Engineer, Rural Works Divn. BBSR.	Building Repair work	70 P1 of 2014-15	4,88,65,000.00	07.07.2014	06.07.2015	4,88,65,000.00	30.08.2017	Work Completed Satisfactorily
	Total Work Executed for the year 2017-18				**29,25,91,980.00**			**27,63,68,297.37**		
Providing APP water proofing membrane over roof of quarters of Nurse colony, Engineers colony and Old Doctors colony (70 nos. Quarter) under IB Valley Area	The GM, IB Valley Area, MCL, Jharsuguda, Odisha	The GM, IB Valley Area, MCL, Jharsuguda, Odisha	Roof water proofing work	MCL/GM/IBV/SO/19-20/Agt./23 dtd.18.11.2019	24,19,897.99	19.11.2019	17.02.2020	25,28,010.28	10.06.2020	Work Completed Satisfactorily
Water proofing arrangement of roof with App tarfelting at IWSS colony under Lingaraj OCP, Lingaraj Area	Project Officer, Lingaraj OCP, MCL, Talcher, Angul	Project Officer, Lingaraj OCP, MCL, Talcher, Angul	Roof water proofing work	GM(LA)/Tender/WO/LOCP/2019-20/09 dtd.14.08.2020	21,03,375.96	15.08.2020	12.11.2020	21,03,375.96	12.11.2020	Work Completed Satisfactorily

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For The Seal Coat Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B.&C.C. Ltd.

Waterproofing arrangement by APP (Atactic Polypropylene Polymer) on residential and non-residential buildings at Deulbera colony under Lingaraj OCP, Lingaraj Area	Project Officer, Lingaraj OCP, MCL, Talcher, Angul	Project Officer, Lingaraj OCP, MCL, Talcher, Angul	Roof water proofing work	GM(LA)SOC/AGT/ 20-21/36 dtd.01.09.2020	50,01,868.24	02.09.2020	15.11.2020	50,01,868.23	15.11.2020	Work Completed Satisfactorily
	Total Work Executed for the year 2020-21				95,25,142.19			96,33,254.47		

For The Seal Coat Structural Works (P) Ltd

Managing Director

Signature of the Contractor

For The Seal Coat Structural Works (P) Ltd.

Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

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OFFICE OF THE EXECUTIVE ENGINEER : RURAL WORKS DIVISION: BHUBANESWAR

PROFORMANCE CERTIFICATE OF CONTRACTOR: The Seal Coat Structural works Pvt. Ltd. Super Class Contractor

Sl No.	Project name	Name of Employeer	Description of work	Contract No.	Value of Contract(Rs. In lakh)	Date of commencement	Stipulated period of completition	Actual date of completion	Remarks explaining reasons for delay & work completed
1	2	3	4	5	6	7	8	9	10
1	Repair & renovation of Basanta manjari swastya Niwas(BMSN) chandapur in the dist. Of Nayagarh for 2014-15.	Executive Engineer, Rural works Divn. Bhubaneswar	Building work	70 P1 of 2014-15	488.65	7.7.14	6.7.15	30.8.2017	Work Completed

-Sd-
Executive Engineer
Rural Works Divn. BBSR

Memo No.- 5278 / Dt. 18/11/2017

Copy to The Seal Coat Structural Works Pvt. Ltd. Super Class Contractor for information

Executive Engineer
Rural Works Divn. BBSR

True Copy Attested

Jagyneswar Acharya
Notary, Govt. of India
Odisha, BBSR, Dist-Khurda
Regd. No. 7791/2009

For The Seal Coat Structural Works (P) Ltd
Biswajit Bhuyan
Managing Director 18/11/17

For The Seal Coat Structural Works (P) Ltd.
Sangram Keshari Das
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

0276

0277

ମହାନଦୀ କୋଲ୍ ଫିଲ୍ଡସ୍ ଲିମିଟେଡ୍ महानदी कोलफील्डस लिमिटेड Mahanadi Coalfields Limited *(A subsidiary of Coal India Limited)*	Office of the Project Officer Lingaraj OCP PO: Deulbera, Talcher DIST: ANNGUL (Odisha) – 759100	MCL

Ref. No. PO/LOCP/E&M/Work Completion/20-21/ 500 Dt. 25 -02-2021

WORK COMPLETION CERTIFICATE

This is to certify, that the following work has been completed satisfactorily as per terms, conditions and specifications of agreement by **THE SEALCOAT STRUCTURAL WORKS PVT. LTD., Contractor** within Schedule date and time granted to him the work has b een found no defect.

01.	Area Unit	:	MCL, Lingaraj OCP.
02.	Name of the work	:	**Water proofing arrangement by APP (Atactic Polypropylene Polymer) on residential and non-residential buildings at Deulbera Colony under Lingaraj OCP, Lingaraj Area**
03.	Name of the Contractor	:	**The Sealcoat Structural Works Pvt. Ltd.**
04.	Work Order No & Date	:	**GM(LA)/Tender/WO/ LOCP/ 2020/205 Dt.26.05.2020**
05.	AGT No. & Date	:	**GM(LA)/SO©/AGT/20-21/36 Dt. 01.09.2020**
06.	Work order Value	:	**₹. 50,01,868.24 (Including GST)**
07.	Date of Commencement	:	**Dt.02.09.2020**
08.	Date of Completion	:	**Dt.15.11.2020**
09.	Actual date of Completion	:	**Dt.15.11.2020**
10.	Work done value	:	**₹. 50,01,868.23 (Including GST)**

This certificate is being issued to **The Sealcoat Structural Works Pvt. Ltd.**, Contractor for payment of final bill & Tendering purpose.

True Copy Attested
Jagyneswar Acharya
Notary, Govt. of India
Odisha, 9858, Dist-Khurda
Re... 2009

24/2/21
Project Engineer(Civil)
Lingaraj OCP.

For The Seal Coat Structural Works (P) Ltd
Biswajit Bhuyan
Managing Director

For The Seal Coat
Structural Works (P) Ltd.
Sanjoy Kishor Das
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.

0278

ମହାନଦୀ କୋଲ୍ ଫିଲ୍ଡସ୍ ଲିମିଟେଡ୍ महानदी कोलफील्डस लिमिटेड Mahanadi Coalfields Limited *(A subsidiary of Coal India Limited)*	Office of the Project Officer Lingaraj OCP PO: Deulbera, Talcher DIST: ANNGUL (Odisha) – 759100	MCL

Ref. No. PO/LOCP/E&M/Work Completion/20-21/ 377 Dt. 08-01-2021

WORK COMPLETION CERTIFICATE

This is to certify, that the following work has been completed satisfactorily as per terms, conditions and specifications of agreement by **THE SEALCOAT STRUCTURAL WORKS PVT. LTD., Contractor** within Schedule date and time granted to him the work has b een found no defect.

01.	Area Unit	:	MCL, Lingaraj OCP.
02.	Name of the work	:	**Water proofing arrangement of roof with APP tarfelting at IWSS Colony under Lingaraj OCP, Lingaraj Area**
03.	Name of the Contractor	:	**THE SEALCOAT STRUCTURAL WORKS PVT. LTD.**
04.	Work Order No & Date	:	**GM(LA)/Tender/WO/ LOCP/ 2019-20/09 Dt.06.04.2020**
05.	AGT No. & Date	:	**GM(LA)/SO©/AGR/2020-21/35 Dt.14.08.2020**
06.	Work order Value	:	**₹. 21.03,375.96 (Including GST)**
07.	Date of Commencement	:	**Dt.15.08.2020**
08.	Date of Completion	:	**Dt.12.11.2020**
09.	Actual date of Completion	:	**Dt.12.11.2020**
10.	Work done value	:	**₹. 21.03,375.96 (Including GST)**

This certificate is being issued to **The Sealcoat Structural Works Pvt. Ltd.,** Contractor for payment of final bill & Tendering purpose.

True Copy Attested

Jagyneswar Acharya
Notary, Govt. of India
Odisha, BBSR, Dist-Khurda
Regd. No. 7791/2009

Project Engineer(Civil)
Lingaraj OCP.

For The Seal Coat Structural Works (P) Ltd
Biswajit Bhuyan
Managing Director

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

0279

ମହାନଦୀ କୋଲ୍‌ଫିଲ୍‌ଡ୍‌ସ୍ ଲିମିଟେଡ୍
महानदी कोलफील्डस लिमिटेड
Mahanadi Coalfields Limited
(A subsidiary of Coal India Limited)

OFFICE OF THE GENERAL MANAGER
IB VALLEY AREA,
Brajrajnagar -768216
Dist : Jharsuguda (odisha)

MCL

Ref.No: MCL/GM/IBV/SOC/

Dated:

WORK COMPLETION CERTIFICATE

01. Name of work :Providing APP Water proofing membrane over roof of quarters of Nurse Colony, Engineers Colony and Old Doctors Colony (70 nos. Quarter) under IB Valley Area

02.Name of Contractor : The Sealcoat Structural Works , Pvt. Ltd.

03.Work Order No. & date : MCL/GM/IBV/SOC/WO/18-19/38/501 , dated: 23/08/2019

04. Agmt. No. & Date : MCL/GM/IBV/SO/19-20/Agt./23 , Dated:18/11/2019

05. Value of work (As per work order) : **Rs.24,19,897.99**

06.Value of work (As per work done/R.E.) : **Rs.25,28,010.28**

07.Date of Commencement : 19/11/2019

08.Date of Completion (As per work order) : 17/02/2020

09.Date of completion (As per Actual) : 10/06/2020

10.R.E. & F.T.E.Ref. No. : MCL/GM/IBV/SOC/SO/673 , Dated: 16/11/2020

11.Performance certificate : The subject work has been completed satisfactorily by the Contractor in all respect.

12. Remarks : There is no any defect observed for the aforesaid work.

True Copy Attested

Jagyneswar Acharya
Notary, Govt. of India
Odisha, BBSR, Dist-Khurda
Regd. No. 7791/2009

13/12/2021

Asst. Manager(C),
Ib Valley Area.

For The Seal Coat Structural Works (P) Ltd

Managing Director

For The Seal Coat
Structural Works (P) Ltd.
Manager

Sr. Project Manager
Ekamra Division
O.B. & C.C. Ltd.
Bhubaneswar

0280

NTPC LIMITED
TALCHER SUPER THERMAL POWER STATION
P.O. DEEPSHIKHA, ANGUL (ORISSA) 759147

Ref. No.:9501/MGR/CIVIL/1

Date: 02.05.2017

WORK COMPLETION CERTIFICATE

1	Name of the contractor	M/S THE SEALCOAT STRUCTURAL WORKS PVT LTD
2	Name of the work	Repair of Track Hopper # II & III Rail Seat through Epoxy Treatment & Insert Grouting
3	PO No. & Date	4000160709-064-1026 Date : 17.02.2016
4	Date of Commencement	04.04.2016 to 03.10.2016
5	Scheduled Date of completion	03.10.2016
6	Actual Date of completion	03.10.2016
7	Defect to be rectified if any	3 Months
8	Contract Value	Rs. 2,310,720.00
9	Executed Value	Rs. 24,61,167.00
10	Items for which payment to be Made at reduced rate	NIL

Certified that the above work has been completed on the date mentioned above. This certificate is issued for release of final bill.

For The Seal Coat Structural Works (P) Ltd
Besuajit Bhupen
Managing Director

True Copy Attested

Jagyneswar Acharya
Notary, Govt. of India
Odisha, SESR, Dist-Khurda
Regd. No. 7791/2009

For The Seal Coat
Structural Works (P) Ltd.
Manager

2.5.17

ENGINEER-IN-CHARGE
(SEAL)

02/05/17
एस के नायक / SK NAYAK
अपर महाप्रबंधक (ओ एवं एम/ एम जी आर)
Addl. General Manager (O&M/MGR)
एनटीपीसी लिमिटेड, कनिहा
NTPC LIMITED, KANIHA

For The Seal Coat Structural Works (P) Ltd
Besuajit Bhupen
Managing Director

Scanned with CamScanner

Sr. Project Manager
Ekamra Division