

MILITARY ENGINEER SERVICES

NAME OF WORK: - SPL REPAIRS TO STP & REPAIR/MAINTENANCE OF STP INCLUDING ALLIED WORKS INCLUDING MAINTENANCE OF FIRE HYDRANT SYSTEM ALONGWITH ADDN/ALTN TO IT SECTION IN AF AREA UNDER GE AVADI.

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Signature of Contractor

AGE (Contracts)
for Accepting Officer

CA NO.GE/AVD/ OF 2024-2025

SERIAL PAGE NO. 02
REGD POST WITH ACK DUE

Telephone: 26841271
Tele Fax : 26841969
Email ID : geavadi@gmail.com

Military Engineer Services
Garrison Engineer
Avadi, Chennai – 600055

8221/ 17 /E8

15 Oct 2024

M/s _____

**SPL REPAIRS TO STP & REPAIR/MAINTENANCE OF STP INCLUDING ALLIED WORKS
INCLUDING MAINTENANCE OF FIRE HYDRANT SYSTEM ALONGWITH ADDN/ALTN TO IT
SECTION IN AF AREA UNDER GE AVADI.**

Dear Sir (s),

1. Tender documents in respect of above work are uploaded on the site www.defproc.gov.in. The tender is based on single stage two cover e-tendering system. The contents of Cover I & II are specified in NOTICE OF TENDER.
2. Bids will be received online by ACCEPTING OFFICER upto the date and time mentioned in the **NOTICE INVITING TENDER (NIT)**. No tender/ bid will be received in physical form and any tender/ bid received in such manner will be treated as non bonafide tender/ bid.
3. Bid will be opened online on due date fixed for opening as per critical dates given in the portal. Cover 1 will be opened first. Tenderers may see the result of the opening of cover 1 on the tender portal. Date of opening of Cover 2 shall be decided after technical evaluation of Cover 1 keeping in view the various eligibility criteria given in the NIT and the same will be intimated to the tenderers while uploading the technical evaluation on the tender portal.
4. Your attention is also drawn to instruction on filling and submission of tender attached herewith. You may forward your points on tender documents through email and / or depute your technical representative for discussion on tender/ drawings and to clarify doubts, if any, before the bid submission starts. You are requested not to write piecemeal points and forward your points duly consolidated in one go.
5. Un-enlisted contractors are required to submit the scanned copies (in pdf file) of documents required as per eligibility criteria mentioned in instructions for filling the tender documents and Appendix 'A' to NIT alongwith EARNEST MONEY DEPOSIT (EMD) and tender fee on procurement portal mentioned above and submit the physical documents in the office of **Garrison Engineer, Avadi** within the time limit specified in NIT. Inadequacy/ deficiency of documents shall make the bid liable for rejection resulting in disqualification for opening of finance bid.

6. Enlisted contractors of MES shall submit the scanned copies (pdf file) of enlistment letter, tender fee and such other documents as mentioned in Appx 'A' to NIT on e-procurement portal and submit physical documents in the office of **Garrison Engineer Avadi** before date & time fixed for this purpose.
7. The contractor must ensure that the tender/ bid is uploaded on tender portal using the authorized DSC in time as the Accepting Officer will take no cognizance of any quotations/offer received in any other electronic or physical form like email/fax/by hand/ through post from tenderer/ bidder.
8. Keeping in view delays due to system failure or other communication related failures, it is suggested that tender/ bid may be uploaded sufficiently in advance of the last due date and time fixed on the portal.
9. General Conditions of Contracts (IAFW-2249) (1989 Print) and errata and amendments thereto, Schedule of minimum fair wages and MES SSR (Part-I and Part-II) are not enclosed with these documents. These are available for perusal in the Office of GE Avadi. Tenderer is also requested to keep the copy of these documents with him as same are available in the market.
10. Contractor having not executed Standing Security Bond and Standing Security Deposit in any MES formation shall upload scanned copy of **EARNEST MONEY DEPOSIT (EMD)** mentioned in Notice of Tender and shall ensure receipt of hard copy of EMD in the office of tender issuing authority before date & time fixed for this purpose. In case of failure to abide by any of these two requirements, the finance bid will not be opened.
11. Within 28 days of receipt of the Letter of Acceptance, the successful contractor shall deliver to the Accepting Officer a Performance Security in any of the forms given below for an amount equivalent to 5% of the contract sum. The performance security of 5 % of the Contract Sum is subject to the condition given under instruction to tenderers under Para 7.0 here-in-after failure of which 5 % of Contract Sum shall be submitted as Performance Security.
- (i) A Bank Guarantee in the prescribed form.
 - (ii) Government Securities, FDR or any other Government Instruments stipulated by the Accepting Officer.
12. ANY TENDERER, WHICH PROPOSES ALTERATIONS TO ANY OF THE CONDITION, SPECIFICATION LAID DOWN IN THE TENDER DOCUMENTS OR ANY NEW CONDITION, WHATSOEVER, IS LIABLE TO BE REJECTED.

Yours faithfully,

(J Jeya Packia Selvi)
AE (QS&C)
AGE (Contracts)
for Accepting Officer

Encls : (Tender documents)

Signature of Contractor

INSTRUCTIONS ON FILLING AND SUBMISSION OF TENDER**1. EARNEST MONEY DEPOSIT (EMD)**

Contractor (s) who are not enlisted with MES/ who are enlisted but have not executed the Standing Security Bond shall submit Earnest Money Deposit as detailed in Notice of Tender in one of the following forms, alongwith their tender/ bid :-

(a) Deposit at Call Receipt from a Scheduled Bank in favour of Garrison Engineer Avadi Chennai.

(b) Receipted Treasury Challan, the amount being credited to the Revenue Deposit of Garrison Engineer Avadi Chennai – 600 055.

It is advisable that Earnest Money is deposited in the form of deposit call receipt from an approved Schedule Bank for easy refund. In case the tenderer/ bidder wants to lodge 'Earnest Money Deposit' in any other form allowed by MES, a confirmation about its acceptability will be obtained from the Accepting Officer well in advance of the bid submission end date and time. Earnest Money Deposit shall be submitted in the name of **Garrison Engineer, Avadi**.

NOTES: Earnest Money Deposit (EMD) in the form of Cheque/ Bank Guarantee etc will not be accepted. **Non-Submission of Earnest Money Deposit (EMD) (scanned copy alongwith Technical Bid & hard copy before the date & time fixed for opening of BOQ) will render the bid disqualified for opening of Cover-II (finance bid).**

2. GENERAL INSTRUCTIONS FOR COMPLIANCE

2.1 The bids received only in the electronic form will be considered. All bids shall be submitted on defproc.gov.in portal. Documents should be scanned and forwarded in 'pdf' form and 'xls' form as indicated. Bids shall be uploaded on 'defproc.gov.in' portal on or before the bid closing date mentioned in the tender. No tender/ bid in any other electronic or physical form like date email/ fax/ by hand/ thorough post will be considered.

2.2 The bid shall be DIGITALLY signed using authorised DSC. All pages of tender Documents, drawings, corrections/alterations shall be signed /initialled by the lowest bidder after acceptance of tender for making original and CTC of the contract.

2.3 Digital signatory of the bid/ tender shall ensure that he is competent to bind the contractor (through partnership deed, general power of attorney or Memorandum and Article of Association of the Company) in all the matters pertaining to the contract with Union of India including arbitration clause. A scanned copy of the documents in confirmation of such authority shall be attached with the tender/bid in 'pdf' form in Cover 1. It shall be ensured that power of attorney shall be executed in accordance with the constitution of the company as laid down in its Memorandum & Article of Association.

2.4 Drawing, if issued in physical form, must be returned duly initialled by the tenderer/ bidder in separate envelope indicating his name and address.

2.5 The tender shall be signed, dated and witnessed at all places provided for in the documents after acceptance. All corrections shall be initialled. The contractor shall initial every page of tender and shall sign all drawings forming part of the tender. Any tender/bid, which proposes alterations to any of the conditions whatsoever, is liable to be rejected.

Contd.....

INSTRUCTIONS ON FILLING AND SUBMISSION OF TENDER (Contd.....)**3. BOQ:-**

3.1 The tenderer shall quote his rates on the BOQ EXCEL FILE only as per guide line of e-procure web portal. No alteration to the format will be accepted and such bid will be disqualified.

3.2 In case any tenderer wishes to revise/ modify the rates quoted in the BOQ file, he can do so only in the BOQ files before uploading the tender through **<https://defproc.gov.in>** site only before closing date & time.

3.3 After the uploading of tender, Department may upload the errata/ amendment through corrigendum. The tenderer/ bidder should submit their offer considering the errata/ amendment carried out through corrigendum issued from time to time.

3.4 While uploading the bid, the tenderers/ bidders should specifically check whether any **revised BOQ** has been uploaded by department through corrigendum prior to **Bid submission start date**. Tenderers/ bidders attention is specifically drawn to the fact that they should submit their offer on pre-revised BOQ in lieu of Revised BOQ, **it will be considered as a willful negligence by the tenderer/ bidder and quotation shall be considered non bonafide**.

4. Tenderers/ bidders who uploaded their priced tenders/ bids and are desirous of being present at the time of opening the tenders/ bids, may do so at the appointed time.

5. Hard copies of all above documents shall be sent by the contractor to the Tender issuing authority well in advance to be received before the date & time fixed for the same.

6. The contractor shall employ Indian Nationals after verifying their antecedents and loyalty. Attention is also drawn to relevant provisions in Special Condition referred here-in-after and also Conditions 24 & 25 of IAFW-2249 (General Conditions of Contract).

Signature of the Contractor

AGE (Contracts)
for Accepting Officer

In lieu of IAFW 1779-A (Revised -1955)

(TO BE READ IN CONJUNCTION WITH GENERAL CONDITION OF CONTRACTS IAFW-2249 (1989 PRINT))

MILITARY ENGINEER SERVICES

Military Engineer Services
Garrison Engineer
Avadi, Chennai-600 055

8221/ 17 /E8

15 Oct 2024

TENDER AND ITEM RATE CONTRACT FOR WORKS BY MEASUREMENT IN THE EXECUTION OF SPL REPAIRS TO STP & REPAIR/MAINTENANCE OF STP INCLUDING ALLIED WORKS INCLUDING MAINTENANCE OF FIRE HYDRANT SYSTEM ALONGWITH ADDN/ALTN TO IT SECTION IN AF AREA UNDER GE AVADI.

1. E-tender shall be submitted in electronic form duly digitally signed by the authorised signatory of the tenderer and the requisite documents as mentioned in the tender shall be physically delivered at the Office of the Garrison Engineer, Avadi, Chennai-600 055 within the time limit specified in NIT addressed to the Garrison Engineer, Avadi, Chennai-600 055 and marked on the outside “**CONTRACT NO: GE/AVD/ OF 2024-2025 “SPL REPAIRS TO STP & REPAIR/MAINTENANCE OF STP INCLUDING ALLIED WORKS INCLUDING MAINTENANCE OF FIRE HYDRANT SYSTEM ALONGWITH ADDN/ALTN TO IT SECTION IN AF AREA UNDER GE AVADI”**”

2. Any Correspondence concerning this tender should be addressed as indicated at the top of this sheet quoting the reference to the tender id mentioned in the eprocuremes.gov.in portal.

THE PRESIDENT OF INDIA DOES NOT BIND HIMSELF TO
ACCEPT THE LOWEST OR ANY TENDER

SIGNATURE OF THE OFFICER
ISSUING THE DOCUMENTS

APPOINTMENT: AGE (Contracts)

Dated: 15 Oct 2024

SCHEDULE 'A'
LIST OF ITEMS OF WORKS

NAME OF WORK: - SPL REPAIRS TO STP & REPAIR/MAINTENANCE OF STP INCLUDING ALLIED WORKS INCLUDING MAINTENANCE OF FIRE HYDRANT SYSTEM ALONGWITH ADDN/ALTN TO IT SECTION IN AF AREA UNDER GE AVADI.

The scopes of work covered under this contract are given in Schedule 'A' (BOQ) in a separate Excel sheet.

1. The quantities shown in Col 3 of the BOQ are approximate and are inserted as guide line only. These shall however not be varied beyond the limits laid down in condition 7 of IAFW-2249 (General Conditions of contracts).
2. Tenderers are required to insert unit rates in figures under Col F of the BOQ against each item of schedule 'A'.
3. The rate quoted for each items under Col 5 of Sch 'A' (BOQ) shall include for all necessary works required for the entire completion all as specified and shown on drawings.
4. The entire works covered under Sch 'A' (BOQ) shall be completed within **250 Days** from the date of handing over site as mentioned in the work order No.1
5. The unit rate quoted by the tenderer under Col 5 of Sch 'A' (BOQ) shall be deemed to include for labour and materials complete unless specifically stated otherwise in these tender documents.
6. The under mentioned remarks shall be deemed to have been inserted in respective columns of
Schedule 'A' (BOQ) against each item:-
 - (a) Under Column I - Refer list of drawings.
 - (b) Under Column J (Period of completion of individual items from date of handing over site) - Refer Note No.5 of the Schedule 'A'.
 - (c) Under Column K (Remarks) - Refer Notes of Schedule 'A'.
8. Unit rate quoted by the tenderers against various items of Schedule 'A' shall interalia, be deemed to include minor details of construction which are obviously and fairly intended but which may not have been specifically stated in tender documents but are essential for execution and completion of work. In case of any difference of opinion between the contractor and the GE as to whether or not any items of work constitutes "minor construction details" which is deemed to have been included in the contractor's quoted prices, the decision of the Accepting Officer shall be final, conclusive and binding.
9. **GST:** GST as notified by Govt. including subsequent tax revision if any after notification in this regard issued by Gov. time to time shall be applicable to all the tenderers. Other taxes viz., labour welfare Cess/tax and element towards ESI & PF contribution shall be applicable to this contract besides other applicable taxes/levies as per law of land.
10. A separate Schedule of credit has been enclosed alongwith this tender. The amount of schedule of credit shall be deducted from the total amount of BOQ to arrive at the "Contract Sum" referred to in IAFW-2249.

SCHEDULE OF CREDIT

NAME OF WORK: SPL REPAIRS TO STP & REPAIR/MAINTENANCE OF STP INCLUDING ALLIED WORKS INCLUDING MAINTENANCE OF FIRE HYDRANT SYSTEM ALONGWITH ADDN/ALTN TO IT SECTION IN AF AREA UNDER GE AVADI.

NOTES:

1. All dismantled/taken down materials specifically referred under this schedule shall become the property of the contractor for which necessary credit will be effected at the rates mentioned in this schedule. The quantity of materials mentioned in this schedule is approximate only. The materials obtained from dismantling which are not reflected in the schedule, shall become the property of the Department and shall be returned to the store yard of GE
2. The tenderer is required to visit the site before submitting the tender to obtain the knowledge of the physical conditions of the items referred in this schedule.
3. The dismantling work shall be carried out as instructed by the Engineer-in-Charge. Prior order of Engineer-in-Charge shall be obtained before dismantling.
4. Dismantling work shall be carried out carefully so as not to damage any adjoining structure. Any damage so caused shall be made good by the tenderer at their own cost. The cost of dismantled materials covered in the schedule of credit obtained up to the date of respective RAR will be priced at the unit rate mentioned in the Schedule and adjusted. The material shall be removed from the site after obtaining written permission of the Engineer-in-Charge.
5. The items given in the Schedule of Credits are old and unserviceable obtained from demolition/dismantling of this work.

Sl No	Description of items	Unit	Qty	Rate	Amount
1.	Old U/S fine core diffuser replaced	Each	16.00	150	2400
2.	Old U/S bushes and bearing 20 hp centrifugal motor capacity	Job	2.00	400	800
3.	Old U/S bushes and bearing 10 hp centrifugal motor capacity	Job	2.00	300	600
4.	Old U/S bushes and bearing 7.5 hp centrifugal motor capacity	Job	2.00	250	500
5.	Old U/S bushes and bearing 5 hp centrifugal motor capacity	Job	2.00	200	400
6.	Old U/S bushes and bearing 7.5 hp submercible motor capacity	Job	2.00	200	400
7.	Old U/S MCCB 16A to 63A capacity	Each	2.00	150	300
8.	Old U/S MCCB 100A capacity	Each	1.00	250	250
9.	Old U/S MCCB 125A capacity	Each	1.00	300	300
10.	Old U/S DOL starter 7.5 HP capacity	Each	4.00	500	2000
11.	Old U/S Star delta starter 10 HP capacity	Each	2.00	750	1500
12.	Old U/S Star delta starter 20 HP capacity	Each	2.00	800	1600
Total C/o to Next Page					11050.00

SCHEDULE OF CREDIT (CONTINUED)

Sl No	Description of items	Unit	Qty	Rate	Amount
Total B/F from Previous Page					11050.00
13	Old U/S butterfly valve 150 mm size	Each	1.00	550.00	550.00
14	Old U/S butterfly valve 100 mm size	Each	2.00	500.00	1000.00
15	Old unsv butterfly valve 80 mm size	Each	2.00	450.00	900.00
16	Old unsv butterfly valve 50 mm size	Each	4.00	400.00	1600.00
17	Old unsv gate valve 32 mm size	Each	2.00	25.00	50.00
18	Old unsv foot valve valve 100 mm size	Each	2.00	750.00	1500.00
19	Old unsv suction stainer for Air compressor 20 hp rating capacity	Each	2.00	25.00	50.00
20	Old unsv MS pipe 150 mm size	RM	15.00	200.00	3000.00
21	Old unsv MS pipe 100 mm size	RM	18.00	175.00	3150.00
22	Old unsv MS pipe 80 mm size	RM	20.00	150.00	3000.00
23	Old unsv MS pipe 50 mm size	RM	25.00	100.00	2500.00
24	Old unsv MS pipe 40 mm size	RM	30.00	75.00	2250.00
25	Old unsv MS pipe 32 mm size	RM	30.00	50.00	1500.00
26	Old unsv earthing material received	Each	2.00	250.00	500.00
27	Old unsv cable of any size	RM	80.00	10.00	800.00
28	Old Unsv DWC/ Brick	RM	72.00	2.00	144.00
29	Old unsv Junction box	Each	6.00	5.00	30.00
30	Old unsv bracket	Each	6.00	10.00	60.00
31	Old unsv sodium light	Each	6.00	100.00	600.00
32	Old unsv wire	RM	50.00	5.00	250.00
33	Old unsv material recd from jockey pump	Each Job	1	500.00	500.00
34	Old unsv material recd from main fire pump	Each Job	1	1000.00	1000.00
35	Old unsv material recd from diesel engine pump	Each Job	1.00	1200.00	1200.00
36	Old unsv pressure gauge	Each	1.00	10.00	10.00
37	Old unsv butterfly valve of 150mm/100mm/80mm	Each	10.00	250.00	2500.00
38	Old unsv butterfly valve of size 50mm dia recd from srl item No 10	Each	12.00	50.00	600.00
39	Old unsv earthing material	Eacn	4	150.00	600.00
40	Old unsv GI strip	RM	25	15.00	375.00
41	Old unsv XLPE cable 25 sqmm 4 core	RM	60	10.00	600.00
42	Old unsv DWC pipe 50/38mm dia	RM	50.00	2.00	100.00
Total C/o to Next Page Rs					41969.00

SCHEDULE OF CREDIT(Contd...)

Sl No	Description of items	Unit	Qty	Rate	Amount
Total B/ F from Previous Page					41969.0
44	Old unsv DOL starter 7.5 HP	Each	2.00	50.00	100.00
45	Old unsv DOL starter 7.5	Each	1	30.00	30.00
46	Old unsv MCCB 100AP any type	Each	2.00	25.00	50.00
47	Old unsv sewage submersible motor material	Each Job	8.00	800.00	6400.00
48	Old unsv PVC tank 1000 ltr	Each	2.00	200.00	400.00
49	Old unsv MVB TPN 63 Amp	Each	4.00	20.00	80.00
50	Old unsv MCB SPN 40-63 AMp	Each	4.00	10.00	40.00
51	Old unsv copper thimble 50sqmm	Each	4.00	5.00	20.00
52	Old unsv Aluminum thimble 50 sqmm	Each	20.00	1.00	20.00
53	Old unsv digitanl ammeter/ voltmeter any type	Each	2.00	5.00	10.00
54	Old unsv ball type foot valve	Each	4.00	500.00	2000.00
55	Old unsv submersible pump of cap 20HP/10HP/7.5 HP	Each Job	6.00	200.00	1200.00
56	Old unsv submersible pump of cap 5 HP /3 HP /2 HP	Each Job	3.00	100.00	300.00
57	Old unsv submersible motor of cap 20 HP/10HP/7.5 HP material	Each Job	6.00	750.00	4500.00
58	Old unsv submersible motor of cap 5 HP /3 HP/2 Hp material	Each Job	3.00	500.00	1500.00
59	Old unsv CRCA sheet of any type any size	Each Job	8.00	100.00	800.00
60	Old unsv Iron material	Qtls	2.00	2500.00	5000.00
61	Old unsv brick bats/stone boulders .	Cum	8.00	400.00	3200.00
62	Old unsv GI tubing of 15 mm dia with fitting.	RM	10.00	15.00	150.00
63	Old UNSV Gun gate valve/stop cock/Shower Rose/Bib tap	Each	8.00	10.00	80.00
64	Old U/S Rolling shutter sheeting of any type description & thickness.	Sqm	9.28	100.00	928.00
65	Wrough Iron/ steel/ MS bars scrap.	Kg	250.00	10.00	2500.00
66	Old u/s barbed wire	Kg	10.00	18.00	180.00
67	Old unserviceable wooden/ PVC door chowkhats with shutters exc 1.5 sq. m n.exc 4 sqm	Each	1.00	300.00	300.00
68	Old unserviceable wooden/ pvc chowkats with shutters n.exc 1.5 sq. m	Each	2.00	200.00	400.00
69	Old U/S water tank 1000/500 Ltr capacity	Each	1.00	300.00	300.00
70	Old U/S PVC(SWR) pipes 75mm and 100 mm dia	Rm	4.00	10.00	40.00
71	Old U/S PVC flushing cistern including flushing pipe	Each	1.00	40.00	40.00
Total C/o to Next Page Rs					72537.00

SCHEDULE OF CREDIT(Contd...)

Sl No	Description of items	Unit	Qty	Rate	Amount
Total B/ F from Previous Page					72537.00
72	old unserviceable PVC connection	Each	2.00	6.00	12.00
73	old unserviceable WHB including fittings	Each	1.00	80.00	80.00
74	old unserviceable locking mirror	Each	1.00	10.00	10.00
75	Old unserviceable galvalume sheets	Sqm	180.00	15.00	2700.00
76	Old unserviceable false ceiling	Sqm	300.00	5.00	1500.00
TOTAL Rs.					76839.00

Note: The amount of Sch of credit shall be deducted from the total of BOQ quoted by the tenderer to arrive at the Contract Sum.

Signature of the Contractor

AGE (Contracts)
for Accepting Officer

SCHEDULE 'B'

ISSUE OF MATERIALS TO THE CONTRACTOR
(SEE CONDITION 10 OF IAFW-2249)

Ser No.	Qty	Particulars	Rate per unit per working Day	Place of Issue (By Name)	Remarks
1	2	3	4	5	6
- Nil -					

SCHEDULE 'C'

LIST OF TOOLS AND PLANTS (OTHER THAN TRANSPORT) WHICH
WILL BE HIRED TO THE CONTRACTOR
(SEE CONDITION 15,34 AND 35 OF IAFW-2249)

Ser No.	Qty	Particulars	Details of MES crew Supplied	Hire charges per unit per working day Rs. Ps.	Standby charges per unit Rs. Ps.	Place of Issue (By Name)
1	2	3	4	5	6	7
----- N I L -----						

SCHEDULE 'D'

TRANSPORT TO BE HIRED TO THE CONTRACTOR
(SEE CONDITION 16 AND 34 OF IAFW-2249)

Ser No.	Qty	Particulars	Rate per unit per working Day	Place of Issue (By Name)	Remarks
1	2	3	4	5	6
----- N I L -----					

Signature of Contractor

AGE (Contracts)
for Accepting Officer

T E N D E R

To

THE PRESIDENT OF INDIA

Having examined and perused the following documents :-

1. Specification signed by Garrison Engineer/AGE (Contracts).
2. Drawings detailed in the specifications.
3. Scheduled 'A', 'B', 'C' and 'D' attached hereto.
4. MES Standard schedule of rates 2009 (Part I specifications) and MES standard schedule of Rates 2020 (Part II rates) (hereinafter and in IAFW-2249 referred to as the MES schedule) together with amendment 1 to 3 for SSR Part-I (2009) with amendment 1 to 122 for SSR Part-II (2020) as applicable as on due date.
5. General conditions of contract IAFW-2249 (1989 Print) together with amendment **Nos. 1 to 49** and errata 1 to 20.
6. WATER CONDITION 31, IAFW-2249 GENERAL CONDITIONS OF CONTRACT.

Water will be supplied by MES @ Rs.3.75 per Rs.1000 work done.

7. Should this tender to be

accepted:-*I / we agree:-

a) That the sum of **Rs. 94,000.00** (Rupees Ninety four thousand only) submitted towards Earnest Money shall either be retained as a part of **Performance security deposit** or shall be refunded by the Government on receipt of the appropriate amount of **Performance security deposit** within the time specified all as per condition 19 of IAFW-2249.

b) To execute all the works referred to in the said documents upon the terms and conditions contained or referred to therein to at the item rates contained in the aforesaid schedule 'A' or at such other rates as may be fixed under the provision of condition 62 of IAFW-2249 and to carry out such deviations as may be ordered vide condition 7 of IAFW-2249 upto a maximum of **10% (TEN PERCENT)** and further agree to refer all disputes as required by condition 70 of IAFW-2249 to the sole Arbitration of a serving officer having the degree in Engineering or equivalent or having passed final / direct final examination of sub division II of Institution of surveyors (India), New Delhi recognized by Govt. of India to be appointed by the Chief Engineer, Chennai Zone, Chennai-9 or in his absence, the officer officiating as Chief Engineer, Chennai Zone, Chennai-9 whose decision shall be final, conclusive and binding.

*deleted whichever is not applicable.

T E N D E R (CONTD)

Signature ----- in the capacity of -----

duly authorized to sign the tender for and on behalf of -----
(NAME IN BLOCK CAPITAL)

Date :

Postal Address -----

Witness :-----

Address :-----

Telegraph Address -----

Telephone No.-----

A C C E P T A N C E

-----alterations have been made in this document and as evidence that these alterations were made before the execution of the Contract Agreement, they have been initialled by the Contractor and Smt (J Jeya Packia Selvi),AGE (Contracts)

The said Officer(s) is / are hereby authorized to sign and initial on my behalf of the documents forming part of this contract.

The above tender is accepted by me on behalf of the President of India at the item rates contained in Schedule 'A' on _____

Dated this _____ date of _____

SIGNATURE :

APPOINTMENT : GARRISON ENGINEER
AVADI, CHENNAI-600 055

GENERAL CONDITIONS OF CONTRACTS**(IAFW – 2249 – 1989 PRINT)****FOR****MEASURABLE CONTRACTS (IAFW- 1779-A)**

A copy of the GENERAL CONDITIONS OF CONTRACTS (IAFW-2249), 1989 PRINT) with errata Nos.1 to 20 and amendments **No.1 to 49** has been supplied to me / us* and is in my / our possession. I / we* have read and understood the provisions contained in the aforesaid GENERAL CONDITIONS OF CONTRACTS before submission of this tender and I / we* agree that I / we* shall abide by the terms and conditions thereof, as modified, if any elsewhere in these tender documents.

It is hereby further agreed and declared by me/ us*, that the GENERAL CONDITIONS OF CONTRACT (IAFW-2249, 1989 PRINT) including condition 70 thereof pertaining to settlement of disputes by Arbitration and conciliation act (1996), containing 33 pages (Serial Page No. 44 to 75) with errata Nos. 1 to 20 and amendments Nos. 1 to 49 (Serial Page Nos. 76 to 86) form part of these tender documents.

* Delete which is NOT applicable.

AGE (Contracts)
for Accepting Officer

Signature of Contractor

SCHEDULE OF MINIMUM FAIR WAGES

1. Schedule of Minimum Fair Wages is not enclosed along-with tender but the contractor is deemed to have full knowledge regarding the minimum wages payable to labourers as legally effective on the date of submission of tender and his tendered rates shall be deemed to have been based on this (For the purpose of reimbursement of price variation for wage escalation of labour, the minimum wages legally effective on the date of receipt of tender shall be the basis). The Minimum wages legally effective referred to above are the minimum wages notified in the State/Central Gazettee/Governed by any local regulations whichever is higher.

2. My/Our signature hereunder amount to my/our having signed the aforesaid documents forming part of this tender.

AGE (Contracts)
for Accepting Officer

Signature of Contractor

SPECIAL CONDITIONS**1. GENERAL**

- 1.1 The following special conditions shall be read in conjunction with the General Conditions of Contracts, IAFW-2249 (1989 Print) and IAFW-1779-A (revised 1955) including Errata / Amendments thereto. If any, provision in these special conditions is at variance with that of the aforesaid documents, the former shall be deemed to take precedence there over.
- 1.2 The work under this contract shall be carried out in accordance with Schedule 'A'/BOQ particular specifications, drawings, General Specifications and other provisions in MES standard Schedule of Rates (here-in-after called MES Schedule) Part I and II read in conjunction with each other.
- 1.3 The terms "General Specifications" referred to hereinbefore as well as referred to in IAFW-2249 (General conditions of contracts) shall mean the specifications contained in the MES Schedule Part I.
- 1.4 General Rules, Specification' special conditions and all preambles in the MES Schedule shall be deemed to be applicable to the works under this contract. Unless specifically stated otherwise in these documents in which case, the provisions in these documents shall take precedence over the aforesaid provisions in the MES Schedule. The term 'as specified' wherever appears in the tender documents and drawings, related to relevant particulars specifications and in its absence General Specifications. All references to MES Schedule (Standard Schedule of Rates) in these specifications relate to Part I of MES Schedule unless otherwise mentioned. Reference to only some paragraphs of MES Schedule has been made in these particular specifications but other paragraphs and provisions as applicable are also to be followed for all sections / parts of Schedule even though not particularly mentioned hereinafter.
- 1.5 Where specifications for any items of work are not given in MES Schedule or in these particulars specifications, specifications as given in relevant Indian Standard or code of practice shall be followed.
- 1.6 Rates quoted for a particular items and / or lump sum quoted by the tenderer shall be deemed to include for all minor details / items of work and / or construction which are obviously and fairly intended and which may not have been included in these documents but which are essential for the execution and entire completion of the work. Decision of the Accepting Officer as to whether any minor details of work and / or construction is obviously and fairly intended to be included in the contract or not shall be final and binding.
- 1.7 Builders hardware's for doors / windows etc though not indicated on drawings but essential for usage. In all the above and other similar cases, the details indicated elsewhere in the drawings which are similar or near similar to be missed out items of work shall be followed. In the absence of any other similar or near similar details, the minimum essential requirements for completion of the work from structural and utility point / view shall be deemed to be included in the lump sum / rates quoted in the tender. the event of any dispute, decision of the Accepting Officer shall be final and binding.

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SPECIAL CONDITIONS (CONTD..)**2. ADMISSION TO SITE BY CONTRACTOR AND RESPONSIBILITY TO ASCRETAIN HIS OWN INFORMATION**

- 2.1 The tenderers shall contact the Garrison Engineer for the purpose of inspection of site(s) and relevant documents other than those sent herewith, who will give reasonable facilities for this purposes. The tenderers shall also make themselves familiar with working conditions, accessibility of site(s), availability of materials, labour and other content conditions etc which may affect the entire completion of work under this contract.
- 2.2 The tenderers shall be deemed to have visited the site(s) and made themselves familiar with the working conditions, accessibility of site(s) availability of materials, labour and cogent conditions etc., which may affect the entire completion of work under this contract, whether they actually inspect the site(s) or not. No extra payment consequent on any mistake or misunderstanding or otherwise on this account will be allowed.
- 2.3 The Contractor shall make suitable approaches to work site if required to convey men, materials, plants and machinery required for the satisfactory completion of work. On completion of work, the site shall be cleared of all temporary approaches. The tenderer's rates shall interalia be deemed to include for the aforesaid contingencies.

3. SECURITY AND PASSES

- 3.1 Contractor's attention is invited to condition 25 of IAFW-2249. He shall employ only Indian National after verifying their antecedents and loyalty. The contractor shall, on demand by the Engineer-in-Charge, submit list of his agents, employees and work people concerned and shall satisfy the Engineer-in-Charge as to the bonafides of such people.
- 3.2 The Engineer-in-Charge shall at his discretion have the right to issue passes as per rules and regulations of the installation Area in force to control the admission of the contractor, his agents, employees and work people to the site of the work or any part thereof. Passes should be returned at any time on demand by the Engineer-in-Charge or the authorities concerned and in any case on completion of work.
- 3.3 The contractor and his agent, employees and work people shall observe all the rules promulgated by the authority controlling the installations / area in which the work is to be carried out e.g. prohibition of smoking and lighting, fire precautions, search of persons on entry and exit, keeping to specific routes, observing specific timing etc. Nothing extra shall be admissible for any man hours etc., lost on this account.

4. CONDITIONS OF WORKING IN RESTRICTED AREA

The work lies in restricted area.

4.1 VISIT TO SITE WITHIN THE RESTRICTED AREA

Permission to enter the restricted area at the time of submission of tenders can be obtained through the Garrison Engineer. Tenderers are advised to send prior intimation of their agents, representatives etc., if any date and time of their proposed visit so that necessary arrangements may be made by GE to secure admission. Whether tenderer visits the site or not he shall be deemed to have full knowledge of the restrictions of entering into / exit from and working within the restricted area.

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4.2 ENTRY / EXIT

The contractor, his agents, representatives, workman etc., and his materials, carts, trucks other means of transport etc., will be allowed to enter through and leave from only such gate or gates and at such times as the GE or authorities in charge of the restricted areas may at their sole discretion permit to be used. The contractor's authorized representative is required to be present at the place of entry and exit for the purpose of identifying his carts, trucks etc., to the personnel in charge of the security of restricted areas.

4.3 IDENTITY CARDS OR PASSES

The contractor, his agents and representatives are required individually to be in possession of an identity card or pass duly verified by the GE. The identity card or pass will be examined by the security staff at the time of entry into or exit from the restricted area and also at any time or number of times inside the Restricted Area.

4.4 IDENTITY OF WORKMEN

Every workman shall be in possession of an identity card. The identity card will be issued after thorough investigation of the antecedents of the labourers by the contractors and attested by the Officer – in – Charge of the unit concerned in accordance with the Standing Rules and regulations of the Units.

4.4.1 Contractor shall be responsible for the conduct and action of his workman, agents or representatives.

4.5 SEARCH

Thorough search of all persons and transport shall be carried out at each gate and for as many times as a gate is used for entry or exit and may also be carried out at any time or any number of times at the work site within the restricted area.

4.6 FEMALE SEARCHER

If the contractor desires to employ female labour on works to be carried out inside the area of a factory, depot, part, etc., and a female searcher is not borne on the authorized strength of the Factory, Depot, Park etc., at the time of submission of the tender, he shall be deemed to have allowed in his tender for pay and allowances etc., for a female searcher (Class IV Group

'D' servant) calculated for the period female labour is employed by him inside that area. If more than one female labour is employed by him inside that area. If more than one contractor employ female labour during the month and female searcher(s) has / have to be employed in addition to the authorized strength of the Factory, Depot, Park etc., the salary and allowances paid to the additional female searcher(s) shall be distributed on an equitable basis among the contractors employing female labour, taking into consideration the value and period of completion of their contracts. The GE's decision in regard to the amount recoverable on this account from any contractor shall be final and binding.

4.7 WORKING HOUR

- 4.7.1 The unit controlling restricted area, usually, work during six days in the week and remain closed on the 7th day. The working hours available to contractor's labour and staff are however, appreciably reduced because of the time taken in security checks observed at the time of entry, exit and during working hours.
- 4.7.2 The exact working hours, days and non-working days observed for the restricted area, where works are to be carried out shall be deemed to have been ascertained by the contractor before submitting his tender. The tenderers attention is invited to the fact that the total number of working hours for a unit are prescribed in regulations and they cannot be increased by the Garrison Engineer.
- 4.7.3 Contractor's materials, transport etc., shall normally be permitted to come in/go out of the area between 6 am to 6 pm only.
- 4.7.4 Contractor may also be allowed to carry out the work beyond 6PM and upto 6AM (days and night) with prior approval of GE but however, no movements of materials and transports to go out of site of works shall be permitted during night unless special permission is obtained from the factory / unit authorities.

4.8 WORK ON HOLIDAYS

The contractor shall not carry out any work on gazetted holiday, weekly holidays and other non working days except when he is specifically authorized in writing to do so by the GE. The GE may at his sole discretion declare any day as holiday or non-working day without assigning any reasons for such declaration.

4.9 ACCESS TO RESTRICTED AREA AFTER COMPLETION OF WORK

After the works are completed and surplus stores etc., removed, the contractor, his agents, representatives or workmen etc, may not be allowed to have access to the restricted area except for attending any rectification of defects pointed out to him by the GE.

4.10 FIRE PRECAUTIONS:-

- 4.10.1 The contractor, his agents, representatives, workmen etc. shall strictly observe the orders pertaining to fire precautions prevailing within the restricted area.
- 4.10.2 Motor transport vehicles, if any allowed by authorities to enter the restricted area, must be fitted with serviceable fire extinguishers.

5. MINIMUM WAGES PAYABLE

- 5.1 Contract labour (Regulation & Abolition) Act 1970 is applicable to MES Contractors. Rates quoted by the tenderer shall be deemed to take into account the cost, etc., required to comply with the provisions contained in the said act and the rules framed under the said act.

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SPECIAL CONDITIONS (CONTD..)

- 5.2 Refer condition 58 of General condition of contracts (IAFW-2249). The contractor shall not pay wages lower than minimum wages for labour as fixed by the Government of India / State Government / Union Territory under minimum wages act of contract labour (Abolition of Regulations act) whichever is higher.
- 5.3 The fair wages referred to in condition 58 of IAFW-2249 will be deemed to be the same as the minimum wages referred to above as upto date from time to time.
- 5.4 Schedule of minimum fair wages is not enclosed along with the tender, but the contractor is deemed to have full knowledge regarding the minimum fair wages payable to the labour as legally effective on the date of submission of tender irrespective of the fact, the Gazette notification may not have been published or that he was unaware of the increase in the minimum wages legally effective on the date of receipt of tender shall be basis for reimbursement, refund on variation in prices. The minimum wages notified in Gazette or by any local regulations whichever is higher.
- 5.5 The contractor shall have no claim whatsoever, if on account of local factor and regulations, he is required to pay the wages in excess of minimum wages as described above during the execution of work.

6. MODE OF PAYMENT TO STAFF/ EMPLOYEES

- 6.1 The contractor/firm shall make payments to the staff/employees by cheque or through NEFT in their bank accounts. In case, payment are made in current coins or currency notes, certificate will be submitted by the contractor/ firm along with undertaking by the concerned workmen asking for payment other than by cheque or by crediting in the bank account of the employee/ workmen. It is mandatory that the contractor/ firm shall produce the proof of payment made to their staff before claiming the payment from the department.

7. ROYALTIES

- 7.1 Refer condition 14 of General conditions of contracts IAFW-2249). No quarries on defence land are available.

8. LAND FOR TEMPORARY WORKSHOP. STORES ETC..

Delete the following from lines 5 to 9 of sub para 1 of condition 24 of General conditions of contracts (IAFW-2249) reading "in the event of area of land----- land allotted to him" and insert as under:-

"The contractor shall be allotted land free of charge, the area as marked on the lay out plans for the purpose of storage of materials including erection of temporary workshop, stores, etc., Plot of land so allotted shall not be used for accommodation of labour and canteen for which the contractor shall make his own arrangements at his own expenses".

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SPECIAL CONDITIONS (CONTD..)**9. WATER**

- 9.1 Refer condition 31 of General condition of contracts (IAFW – 2249) and clause No.1.13 of MES Schedule. Water will be supplied by MES at the points marked on site plan. As the water supply by MES is likely to be intermittent the contractor shall make his own arrangement for storing the water required for the works, labour and workmen etc., at his own expenses. In the event of break-down of MES supply of water or in the event of the said supply of water becoming intermittent, the contractor shall have no claim whatsoever on this account and contractor shall make his own arrangements to supplement the requisite quantity of water.
- 9.2 Co-operation with other agencies. The contractor shall permit free access and generally afford facilities to the other agencies or department workmen engaged by the Govt to carry out their part of the work, if any, under separate arrangements. The contractor shall not be allowed any extra payment of this account.

- 10. CO-OPERATION WITH OTHER AGENCIES.** The contractor shall permit free access and generally afford facilities to the other agencies or department workmen engaged by the Govt to carry out their part of the work, if any, under separate arrangements. The contractor shall not be allowed any extra payment of this account.

11. ELECTRIC SUPPLY

- 11.1 Electricity will be supplied by MES. The Contractor will be charged for electric energy consumed at the rate of Rs.17.40 (Rupees Seventeen and Paise Forty only) per unit for lighting and power. Electric supply required for works shall be made available by the MES at the incoming terminal of the main switch marked on the layout plan or at the locations decided by the GE. The main switch and Three Phase smart prepaid meter (KWH) to register the electric energy consumed shall be provided by the contractor and it shall be connected to the existing cloud hosted web based software/network maintained by the GE. The Contractor shall provide all necessary shelter for main switch and energy meter connections, cables, fittings, etc., from the main switch in order to ensure proper and suitable supply of electricity. The MES do not guarantee for continuity of supply and no compensation whatsoever shall be allowed for supply and becoming intermittent or for breakdown in the system by any reason whatsoever. GE or his representatives shall be free to inspect all the power consuming devices or any electric lines provided by the contractor. Any devices or electric lines provided by the contractor, which is not to the satisfaction of the GE shall be disconnected from the supply, if so directed by him

12. PERIOD OF KEEPING TENDER OPEN

- 12.1 The tender shall remain open for acceptance for a period of 60 (SIXTY) days from the next date subsequent to last date of bid submission.

13. CONTRACTOR'S REPRESENTATIVES AND WORKMEN

- 13.1 Refer condition 25 of IAFW-2249, the contractor shall employ only Indian Nations as his representatives, servants and workmen and verify their antecedents and loyalty before employing them for the works. He shall ensure that no person of doubtful antecedents and nationality is in any way associated with work. If for the reasons of technical collaboration or other consideration the employment of any foreign national is unavoidable, the contractor shall furnish full particulars to this effect to the Accepting Officer at the time of submission of his tender. The GE shall order the contractor to cease to employ in connection with this contract any representative, agent, servants and workmen or employee whose continued employment in his opinion is undesirable.

SPECIAL CONDITIONS (CONTD..)**14. SECURITY OF CLASSIFIED DOCUMENTS**

- 14.1 Contractor's special attention is drawn to condition 2A and 3 of IAFW-2249 (General conditions of contractors). The contractor shall not communicate any classified information regarding the work either to sub-contractors or others without prior approval of the Engineer-in-Charge. The contractor shall also not make copies of the design / drawings, and other documents furnished to him in respect of the work, and shall return all documents on completion of the works or earlier on determination of the contractor. The contractor shall along with the final bill attach a receipt of his having returned the classified documents as per condition 3 of IAFW-2249 (General condition of contract).

15. RECORD OF MATERIALS

- 15.1 The quantity of materials such as paints, bitumen, Bituminous felt, water proofing compound, chemicals for anti termite treatment and the like, as directed by the Engineer-in-Charge the quantity of which cannot be checked after incorporation in the works shall be recorded in measurement books and signed by the contractor and the Engineer-in-Charge as a check to ensure that the required quantity has been brought to site for incorporation in the work.
- 15.2 Materials brought to site shall be stored as directed by the Engineer-in-Charge and those already recorded in measurement book shall be suitably marked for identification.
- 15.3 The contractor shall, on demand, produce to the GE, original receipted paid vouchers/ invoice in respect of the supplies. Vouchers / invoices so produced shall be verified defaced & stamped by Engineer-in-Charge indicating contract number, name of work under his dated signature. The contractor shall ensure that the materials are brought to site, in original sealed containers / packing, bearing manufacture's marking except in the case of the requirement of materials being less than smallest packing.
- 15.4 Contractor shall produce vouchers / invoices from the manufactures and / or their authorized agents for the full quantity of the following materials as applicable as pre-requisite before submitting claims for payment of advances on account of the work done and / or materials collected in accordance with condition 64 of General Conditions of contracts IAFW-2249.
- (a) Paints and Cement based paint
- 15.5 When the value of each category of materials is / less than Rs.500/- production of vouchers may not be insisted upon if the GE is otherwise satisfied with the quality of materials.

16. CONTRACTORS PLANT / EQUIPMENT AT SITE

- 16.1 The contractor shall furnish to the Engineer-in-Charge every morning distribution / return of his plants / equipments on the site of work stating the following particulars :-
- (a) Particulars of plants / equipments, their make, manufactures model No., if any. Registration No., if any, capacity, year of manufacture and year of purchase etc.
- (b) Total No. (Quantity) on site of work.
- (c) Location, indication No. quantity at each location of site of work.
- (d) Purchase value on the date of purchase, for the purpose of the condition, plant / equipment, vehicle No. i.e., trucks and Lorries but neither the workman's tools or manually operated tools/equipments shall be given. The Engineer-in-Charge shall record the particulars supplied by the contractor in the works diary and send the return to the GE for record in his office.

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SPECIAL CONDITIONS (CONTD..)**17. RELEASE OF PERFORMANCE SECURITY.**

17.1 Refer condition 19 and 68 of IAFW-2249

17.2 The Performance Security Deposit mentioned in Condition 19 of IAFW 2249 may be refunded to the contractor after expiration of the defects liability period (vide condition 46 of IAFW 2249) by the GE provided always that the contractor shall first have been paid the final bill and have rendered a No-Demand Certificate (I.A.F.W -451).

18. DEFECTS LIABILITY PERIOD

18.1 Refer Condition 46 of IAFW 2249

18.2 The defects liability period of the subject work shall be **twelve calendar months** after the works have been handed over to Government.

19. OFFICIAL SECRET ACT

19.1 The contractor shall be bound by the official secret Act 1923.

20 CLEANING DOWN

20.1 Refer condition 49 of IAFW-2249, General conditions of contracts. The contractor shall clean all floors, walls, remove cement / lime / paint marks / drops etc., clean the joinery glass panes etc., touch up all painters work and carryout all other necessary items of work in connection therewith and leave the whole premises clean and tidy before handing over the building.

21. TESTING OF MATERIAL

21.1 The name of laboratories where from the tenderer desirous to get the materials, concrete cubs etc tested shall be with the prior approval of GE. The cost of all such tests including cost of materials and transportation shall however be borne by the contractor unless otherwise specified hereinbefore.

22. REIMBURSEMENT / REFUND ON VARIATION IN "TAXES DIRECTLY RELATED TO CONTRACT VALUE

22.1 The rates quoted by the contractor shall be deemed to be inclusive of all taxes including GST on materials and GST on Works Contracts, turnover tax, Service tax, Labour welfare cess / tax etc., duties, royalties, Octroi & other levies payable under the respective statutes. No reimbursement / refund or variation in rates of taxes, duties. Royalties, Octroi & other levies, and / or imposition / abolition of any new / existing taxes, duties royalties, Octroi & other levies shall be made except as provided in sub para (b) here in below.

22.2 The taxes which are levied by Government at certain percentage rates of Contract Sum / Amount shall be termed as 'taxes directly related to Contract Value' such as Sales tax / VAT on works contracts, Turnover tax, Labour welfare cess / tax and like but excluding Income tax. The tendered raters shall be deemed to be inclusive of all "taxes directly related to contractor value" with existing percentage rates as prevailing on last due date for receipt of tenders. Any increase in percentage rates of "taxes directly related to Contract value" with reference to prevailing rates on last due date for receipt of tenders shall be reimbursed to the contractor and any decrease in percentage rates of taxes directly related to contract value with reference to prevailing rates on last due date of

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SPECIAL CONDITIONS (CONTD..)

receipt of tenders shall be refunded by the contractor to the Govt deducted by the Government from any payments due to the Contractor. Similarly imposition of any new "taxes directly related to Contract value" after the last due date for receipt of tenders shall be reimbursed to the contractor and abolition of any "taxes directly related to contract value" prevailing on last due date for receipt of tenders shall be refunded by the contractor to the government deducted by the government from the payments due to the contractor.

- 22.3 The contractors shall within a reasonable time of his becoming aware of variation in percentage rate and / or imposition of any further "taxes directly related to contract value" give written notice thereof to the GE stating that the same is given pursuant to this special condition, together with all information relating thereto which he may be in a position to supply. The contractor shall also submit the other documentary proof / information as the GE may require.
- 22.4 The contractor shall, for the purpose of this condition keep such books of account and other documents as are necessary and shall allow inspection of the same by a duly authorized representative of Government, and shall further at the request of the GE furnish, verified in such a manner as the GE may require, any documents so kept and such other information's as the GE may require. Reimbursement for increase in percentage rates / imposition of "taxes directly related to contract value" shall be made only if contractor necessarily and properly pays additional taxes directly related to contract value" to the government without getting the same adjusted against any other tax liability or without getting the same refunded from the concerned government authority and submits documentary proof for the same as the GE may require."

23 DAMAGE TO EXISTING STRUCTURES

- 23.1 Any damage done to the existing pavement and structure, etc., during the execution of the work shall be made good by the contractor at his own expenses and site of works left clean and tidy on completion. Rectification, reinstatement, replacement, making good and touching up, etc., shall be carried out to conform to the material and workmanship originally as provided and to the satisfaction of the Engineer-in-charge. In case of any dispute on this account, the decision of the CWE shall be final and binding.

24 CONSTRUCTION WORKER WELFARE TAX

- 24.1 "Consequent upon promulgation of ordinance by the president of India, contractor shall be liable to pay element for construction labour welfare tax, if any and quoted rates shall be deemed to be inclusive of this element and no extra payment shall be admissible to the contractor."

25 OUT OF POCKET EXPENSE

- 25.1 Out of pocket expenses incurred by the tenderer in submitting this tender shall not be reimbursed whether tender is accepted or not.

Signature of Contractor

AGE (Contracts)
for Accepting Officer

PARTICULAR SPECIFICATIONS**1.0 GENERAL**

- 1.1 The following specifications shall be read in conjunction with MES Schedule Part-I including errata/amendment there to. If these specifications are at variance with that of the aforesaid document the specification given in tender document shall take precedence there over.
- 1.2 Term "General Specification" referred to here-in-before as well as referred to in IAFW-2249 (1989 Print) (General Conditions of Contracts) shall mean the specifications contained in the MES Schedule Part-I.
- 1.3 Where specification for any item of work are not given in MES Schedule or in these particulars specifications, specifications as given in relevant Indian Standard or Code of practice shall be followed.
- 1.4 Unit rate quoted for a particular item quoted by the tenderer shall be deemed to include for any minor details of work and/or constructions which are obviously and fairly intended and which may not have been included in these documents, but which are essential for the execution and entire completion of the work. Decision of the Accepting Officer as to whether any minor detail, items of work and/or construction is obviously and fairly intended to be included in the contract/unit rate or not shall be final, conclusive and binding.
- 1.5 General Rules, specifications, Special Conditions and all preambles in the MES Schedule shall be deemed to be applicable to the work under this contract, unless specifically stated otherwise in those documents in which case the provisions in these documents shall take precedence over the aforesaid provision in the MES Schedule. The term "as specified" wherever appears in tender documents relates to relevant particular specifications and in its absence general specifications. All references to MES Schedule (Standard Schedule of Rates) in these specifications relate to Part-I of MES Schedule unless otherwise mentioned. Reference to only some paragraphs of MES Schedule has been made in these particular specifications but other paragraphs and provision as applicable are also to be followed for all parts of Schedule 'A' even though not particularly mentioned here in after.
- 1.6 Any other item which is essential for the construction and completion of the entire work in a workman like manner conforming to normal engineering practices and BIS code can be treated as minor details at the absolute discretion of the Accepting Officer.
- 1.7 In all the above and other similar cases the details indicated elsewhere which are similar or near similar to the missed out items of work shall be followed. In the absence of any other similar or near similar details, minimum essential requirement for completion of the work from structural and utility point of view shall be deemed to be included in the rate quoted. In the event of any dispute, decision of the Accepting Officer shall be final, conclusive and binding.

2.0 MAKING, CHASES, HOLES ETC., IN WALL AND OTHER SITUATIONS

- 2.1 Chases/holes etc., shall be left in concrete, brick work, stone masonry/floors and in any other situations for carrying out the various item of work as required or as directed by the Engineer-in-Charge, as far as possible during the progress of work the particular situation and shall be made good in the same mortar mix as specified for that portion of work.

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PARTICULAR SPECIFICATIONS (CONTD...)**3.0 MATERIALS AND SAMPLES**

- 3.1 Refer Condition 10 of IAFW-2249. The order of precedence for acceptance of materials shall be as under :-
- (a) Materials of makes as given in Sch 'A'.
 - (b) Materials of makes given in Particular Specifications.
 - (c) Materials provided by the contractor for incorporation in the works shall unless otherwise specified in the particular specifications be ISI marked. IS means Indian Standard issued by the Bureau of Indian Standards, wherever in the specifications IS is referred to, it means the addition with all amendments current on the the due date of receipt of the tender documents. The materials and articles, which have been specified from certain makers / manufacturers, shall be of makes / manufacturers as specified. If the manufacturers specified in tender documents make both ISI marked and conforming to ISI, the materials shall be ISI marked.
- 3.2 The materials and articles, which have not been specified in the tender documents by makes / manufacturers, shall be as under:-
- (a) If ISI marked materials are being manufactured the same shall be ISI marked. For list of ISI marked manufacturers refer website of BIS i.e www.bis.org.in.
 - (b) If ISI marked materials are not being manufactured the same shall be conforming to IS specifications.
- 3.3 Materials of local origin shall be as specified and conforming to samples kept in GE's office. The tenderer is advised to inspect the samples of the materials which are displayed in the office of GE before submitting his tender. The tenderers shall be deemed to have the inspected samples and satisfied himself as to the nature and quality of materials, he is required to incorporate in the works irrespective of whether he actually inspects them or not. The contractor shall not procure materials and articles unless the samples are first got approved by the GE. The materials to be incorporated in the work by the contractor shall be ISI marked or shall be equal or superior in quality to samples displayed and shall comply with the specifications given here-in-after.

4.0 PROPRIETARY BRANDED MATERIALS

- 4.1 Proprietary branded materials such as paint, cement, the quantity of which cannot be physically checked after incorporation in the work shall when collected at site, be recorded in measurement book and signed both by the MES representative and the contractor as check to ensure that required quantities have been brought at site for incorporation in the work.
- 4.2 The contractor shall obtain proprietary branded materials as above from manufacturer's authorised stockiest and shall submit vouchers/invoices of suppliers to the GE, when called. These vouchers shall be endorsed, dated and initialled by Engineer-in-charge giving the contract number and name of work and certified copy of each such vouchers signed by both the Engineer-in-charge and the contractor, shall be kept in MES record.
- 4.3 When the value of each category of materials is less than Rs.500/- production of vouchers may not be insisted upon, if the GE is otherwise satisfied with the quality of materials.

PARTICULAR SPECIFICATIONS (CONTD...)**5. SCOPE OF WORK**

5.1.1 Work under this contract shall be carried out in accordance with Schedule 'A', particular specifications, drawings and general specifications and other provisions in MES Standard Schedule of Rates Part I of 2009 and PART II of 2020 read in conjunction with each other.

(a) Addn/Altn to IT Section Shed No 33 at 23 ED AF Stn Avadi

(b) Spl Rep to STP in DC III at AF Stn Avadi

(c) Repairs & Maintenance of STP at DC I & DC II area including connected items & Maintenance of fire Hydrant System in AF Stn Avadi under GE Avadi

6. MES SCHEDULE

6.1 General Rules, specifications for materials and workmanship and special conditions and preambles contained in the MES Schedule shall be read in conjunction with the description of items in Schedule 'A' and particular specification specified hereinafter where the provisions in the particular specifications are at variance with the aforesaid provisions of the MES Schedule, the former shall take precedence.

7. DEMOLITION / DISMANTLING / TAKING DOWN

7.1 The term 'Dismantling/Demolition' shall be all as specified vide clause 21.1 & 21.2 of MES Schedule Part I on Srl.Page No.21-1.

7.2 The contractor shall be responsible for the safe custody of all serviceable material until the work is handed over to MES.

7.3 Contractor shall ensure that demolition operations do not at any stage endanger the safety of the structure or the workman carrying out the demolition.

7.4 Prior order of Engineer – in – charge shall be obtained before demolition/ dismantling/ taking down etc. The contractor's particular attention is drawn to section 21 of MES Schedule Part I and condition 47 of IAFW – 2249.

7.5 In case non compliance of safety precaution as notified by the Engineer-in-Charge from time to time and in the event of any casualty, the contractor shall be responsible for all the consequences and shall have to settle all damages and compensation at his own expense and risk.

7.6 Necessary safety appliances shall be issued to the workers before or prior to starting of the work by the contractor.

7.7 Any damage caused to the existing or adjacent structure due to contractors workman or due to contractor's negligence, the same shall be made good at his own expenses. GE's decision as to whether the damage caused due to contractors negligence shall be final and binding.

PARTICULAR SPECIFICATIONS (CONTD...)

7.8 All materials other than items mentioned in the schedule of credit having salvage value shall be handed over to department at MES store yard i.e. place of issue of Schedule „B“ stores. However the demolished materials which have no salvage value as decided by the Engineer – in – charge and rubbish shall be filled in low lying areas or disposed off at the site as directed by the Engineer – in – charge.

7.9 All dismantled materials as listed in schedule of credit shall become the property of the contractor. The materials will be removed from the site only after the recovery has been made from the contractor and after obtaining written instructions from Engineer – in – charge.

8.0 EXCAVATION AND EARTH WORK**8.1 EXCAVATION GENERAL**

8.1.1 Excavation shall be in any type of soil viz hard / dense soil and soft / loose soil. The measurement of excavation shall be as given in MES Schedule (Part-I).

8.2 FILLING IN TRENCHES/ UNDER FLOORS

8.2.1 The approved earth obtained from excavation of foundations shall be used for filling in trenches, under floors and any other situations after removing big stones, grass, roots and vegetables and other organic matter. Earth mixed with small stones/pebbles (if approved by GE) is permitted for use in filling under floors and foundations. The fillings around pipes after the pipes are laid and tested shall, however be with earth free from pebbles/stones.

8.2.2 Surplus soil shall be removed and spread at places as directed by the Engineer-in-Charge, at a distance as detailed in BOQ.

8.3 TRENCHES FOR FOUNDATION AND PIPES

8.3.1 The excavation shall be restricted to dimensions shown on the drawings and as specified in MES Schedule. Excavation made, if any, in excess of required depth/width shall be made good by the Contractor with cement concrete 1:7:12 type F2 without extra cost to the Government.

8.3.2 The beds of the trenches shall be watered and well rammed and any depressions thus formed shall be filled with approved earth as required to the level and slopes as directed by Engineer-in-Charge.

8.4 SAND CUSHIONING

8.4.1 Sand cushioning to UG cable shall be carried out as specified in Sch “A” and all as described in clause 19.75 of MES Schedule Part - I.

9. CABLE PROTECTION

9.1 Bricks used for cable protection shall be as described in BOQ and laid all as directed.

PARTICULAR SPECIFICATIONS (CONTD...)**10. MAKING GOOD**

- 10.1 Roads, footpath including side drains if any cut through for trenches shall be made good by the contractor to match the original specification as directed by the Engineer-in-Charge. When roads have to be crossed, half the width of the road shall be dug at a time and proper warning notices, signs and lights shall be displayed and watchman posted by the contractor at his own cost.

11. PROTECTION OF EXISTING WORK

- 11.1 All pipes, water mains, cables, etc., met within the course of excavation shall be carefully protected and supported without extra cost to the Government and shall be deemed to include in the rates quoted for Schedule „A“.
- 11.2 The rates quoted by the contractor for various items in Schedule „A“ shall be deemed to include for all the contingencies referred above. No claim whatsoever will be entertained by the department on this account.

12. CABLE LAYING AND RECORD

- 12.1 The following essential data shall be furnished by the contractor as cable record of all the buried cable installation.
- (a) Size, type and make of cable.
 - (b) Location of cable in relation to bench marks or any other permanent structure.
 - (c) Cross section showing where cables are laid in pipes or trenches giving their sizes, type and depth.
 - (a) Position and type of all joints.
 - (e) Position and depth of all pipes, ducts to which are met and obstructions to the cable run.
 - (f) Record of accurate lengths from joints to joint and phase sequence between joints to joints to each cable run.
 - (g) The contractor shall provide LT cable metal tags indicating sizes, each run joints, length of cable between sub lead centers, so that at any spot each cable can be identified easily.
 - (h) While laying LT cable under the roads, paths etc, exact depth at which the cables are to be laid shall be as per SSR and as directed.
 - (j) Cable shall not be bent to small radius while laying in trenches/ducts. The minimum safe bending radius shall be taken as 12 times external dia of cable.
 - (k) Before laying the cable, the trenches shall be provided with a layer of sand to the thickness as directed by Engineer-in-charge, for the purpose ofncushioning cable ends with exposed ends shall be provided with cable sockets. Sand cushioning for protection of underground cable in trenches shall be done as described in clause 19.75 of MES Schedule Part -I.

Contd...

PARTICULAR SPECIFICATIONS (CONTD...)

- (l) All jointing of cables in joint boxes, etc., shall be done strictly as per manufacturers' instructions. The joints shall conform to the relevant IS. Each jointing will be inspected and passed by Engineer-in-Charge. Random checks shall be exercised by GE also and the findings recorded.

13. TESTING

- 13.1 The testing shall be carried out by the contractor in presence of Engineer-in-Charge, recorded and signed by both the parties.
- 13.2 For cable laying, jointing, testing the relevant clauses 19.19 to 19.23 of SSR Part-I (2009) shall also be kept in view.

14. XLPE CABLES

- 14.1 XLPE insulated screened cable shall be procured from approved manufacturers listed here-in-after.
- 14.2 XLPE cable shall conform to IS-7098 (Part - I) for LT and IS: 7098 (Part - 2) for HT cables. Testing shall be carried out as per Appendix „F“ to IS - 1255-1983 for test voltages and for other parameters as per clause 19.93 of SSR Part -1 (Specifications).
- 14.3 Cable shall be laid in trenches all as specified in clause 19.74 to 19.76 of SSR Part-I.

15. TESTING OF CABLES

- (a) **Testing during laying.** XLPE cable shall be Meggar tested by HV 2500 / 5000 V Meggar before jointing. After jointing is completed pressure test shall be carried out. The cable shall be tested for:-
- (i) Continuity.
 - (ii) Absence of cross phasing,
 - (iii) Insulation resistance between conductors.
 - (iv) Insulation resistance to earth.
- (b) **Testing after laying.** Immediately after the initial laying and jointing work is completed, a high voltage test shall be applied to the cables to ensure that they have not been damaged or after laying operation and that there is no flaw in the jointing. The following test shall also be carried out:-
- (i) Insulation resistance test sectional and overall.
 - (ii) Continuity test sectional and overall.
 - (iii) Load test
 - (iv) Earth test.

16. TESTS

- 16.1 On completion of the installation, the resistance to earth of the whole installation and of each earth termination shall be measured and the electrical continuity of all conductors, bonds and joints and their mechanical condition verified. The method of measuring resistance shall be as indicated in Appendix "A" IS-2309. The ohmic resistance of the

PARTICULAR SPECIFICATIONS (CONTD...)

lightening conductor system completes with air terminations but without the earth connection shall be a fraction of Ohm and in any case it should not exceed 1 Ohm. For this purpose a continuous current of about 10 Amps shall be passed through the portion of the system under test and the resistance verified against its calculated value. Suitable precision tests for this purpose shall be used by the contractor. For this test the system may be divided into convenient sections at testing points by suitable joints.

- 16.2 A test certificate for buildings as per Appendix "F" on IS-2309 of 1969 shall be rendered jointly signed by the contractor and the Engineer-in-Charge.

17. CABLE JOINTS

- 17.1 Jointing work shall be carried out only by a licensed / experienced cable jointer. Sufficient surplus cable of approximately 3 meter shall be left on each end of the cable and on each side of underground joints at the time of original installation. A caution board indicating "CAUTION CABLE JOINTING WORK IN PROGRESS" shall be displayed to public and traffic where necessary.

18. CABLE TERMINATION AND STRAIGHT THROUGH JOINT KIT

- 18.1 Cable termination and jointing kits shall be of grade and type as specified in Schedule 'A'. The contractor shall supply technical literature and test certificates and jointing instructions issued by manufacturer. Jointing kits shall bear name of manufacturer, date of manufacture and expiry date on the kit with size, type and or cable for which it is suitable. Cable jointing shall be carried out all as specified in Clause No. 19.85 of SSR Part-I.
- 18.2 Cable termination and jointing for HT cables shall be as specified in Schedule 'A' and as specified in Clause No 19.85.2 of SSR Part - I.

19. GI TUBES

- 19.1 Mild steel galvanized tubes & fittings shall conform to IS 1239 (Part-I) – 1979 & IS 1239 (Part-II)-1982 respectively. Tubes & fittings shall be clearly finished, well galvanized in & out reasonably straight & shall be free from, cracks, surface flows, laminations & other defects & shall be all as specified in clause 18.4.1 to 18.4.4 of SSR Part I.
- 19.2 Tubes of any grade & fittings shall withstand a test hydraulic pressure of 5 MPa without showing defects of any kind.
- 19.3 Cutting, threading & jointing of pipes/fittings shall be carried out all as specified in clause 18.50.2 & 18.50.3 of SSR Part I.
- 19.4 Laying & jointing of pipes shall be all as specified in clause 18.50 to 18.51.5 of SSR Part – I. After completion of work, pipe line shall be tested as per clause 18.50.4 of SSR Part I.

20. LAYING AND JOINTING OF GI PIPES (EXTERNAL WORK) :

- 20.1 The width and depth of trenches shall be as indicated in clause 18.50.1 page 18.19 of MES schedule Part I.
- 20.2 All pipes water mains etc met during the course of excavation shall be carefully protected and supported without any extra cost to the Government.
- 20.3 The rate quoted by the tenderer against various items of BOQ' shall be deemed to be included in their quoted rates for all the contingencies including testing system and nothing extra will be paid by the department on this account.

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PARTICULAR SPECIFICATIONS (CONTD...)**21. LT PANEL**

- 21.1 LT panel board made out CRCA sheet of thickness as specified in Schedule „A“ shall be provided at locations as directed. The size of LT panel board is such that it should accommodate the accessories as specified in BOQ. The feeder pillar box shall be of factory fabricated conforming to relevant IS. Manufacturing drawings shall be submitted by the contractor for approval of GE prior to fabrication. The accessories shall be procured from approved manufacturers as per Annexure listed here-in-after.
- 21.2 Necessary paid voucher duly verified by Engineer-in-charge for all items as covered in this item shall be kept on record before making payment

22. LIGHT FITTINGS : Light fittings shall be of approved make and shall conform to the description given in Schedule 'A'. The unit rate quoted shall be deemed to include for fixing the fittings and connecting up complete with necessary connectors, cables etc, all as directed by Engineer-in-Charge. The make shall be any one of the make as specified hereinafter. The make shall be got approved from GE.

- 22.1 Particular attention is drawn to the neatness in appearance which is to be achieved by judicious location of light fittings, switches socket outlets and main controls etc. Due regard shall be given to doors, windows, opening etc, in fixing the run of cables, position of fittings, control switches, etc,. The location of fittings etc., shall be marked in advance on walls etc as approved by GE.
- 22.2 **GUARANTEE** : The contractor shall furnish a guarantee in favour of GE for the efficiency of LED light fittings supplied by him under this contact for a period of **two years** from the actual date of completion of entire work. The contractor shall also obtain the Guarantee certificate from the manufacturer and submit the same to GE.

23. MCCB

- 23.1 MCCBs shall be of fixed thermal and fixed magnetic setting type conforming to IS: 13947-2 and as specified in clause 19.100.14 of MES Schedule Part I (2009).

24. DISTRIBUTION BOARD AND MCBs

- 24.1 Provide distribution board indicated in Sch “A”. Miniature circuit breaker shall comply with the requirement of IS-8828. The terminals of MCBs shall be brought out sufficiently to connect cable lugs directly. No adopter should be used for terminating the cable. The MCBs should have quick break-trip-free mechanism to ensure that contact cannot be held closed against fault. Busbars shall be electroplate copper tin plated. Exposed faces of sheet metal enclosures shall be finished with two coats of synthetic enamel paint a over coat of red oxide zinc chrome primer. Neutral shall have same number of outgoing holds as the number of MCBs. Dummy plates shall be provided in the board wherever spare ways are left. The MCBs DBs shall be factory made and shall be of the makes as specified here-in-after. Unit rate in Schedule “A” shall also deem to include for all internal connections in the distribution board and bus bar system is completely insulated and fitted in PVC channel to avoid accidental tenor. Bus bar available in single phase and three phase shall be color coded suitably for both flush and surface mounting.

PARTICULAR SPECIFICATIONS (CONTD...)**25.0 PUMPING SET**

25.1 This shall be coupled type centrifugal type all as described in Sch 'A'. It shall be suitable for direct coupling with suitable electric motor on a common base plate fabricated from MS channel. The pump shall be provided with all accessories such as stuffing box priming funnel with Air cock, coupling flange etc. The tender shall submit a manufactures technical literature on pump along with the characteristic. Tenderer shall also specify the make and model of pump set proposes to provide.

26.0 ELECTRIC MOTOR

26.01 Electric motor for the pump set shall be squired cage induction type . It shall be suitable to operated on AC 3 Ph, 50HZ, 400 to 415 volts Capacity of motor shall be elected in such a manner that it shall be capable the pump with its full capacity. The make of the pump and motor shall be of the same manufacturer.

27. PRESSURE GAUGES

Two pressure gauges shall be provided for each pump one each on suction and delivery side. The gauge shall have a dial of 15cm dia and shall be provided with stop cock.

28. **FOOT VALVE** Foot valve shall be CI flanged ball type of Make : NORMEX with ISI marking.

29. **TESTING OF PUMPING SET** On satisfactory installation the following tests shall be carried out for pump sets :-

- (i) Insuation resistance test of electrical wiring and motors.
- (ii) Earth test for the motor.
- (iii) Test for proper functioning of pressure gauge.
- (iv) Test for deciding the capacity of pump.
- (v) Efficiency test of the pump and motor.
- (vi) Testing of flow and pressure at the top most and result of tests shall be recorded.
- (vii) Testing of pipe line shall be carried out as stated in clause 18.50 on page 247 of MES Schedule 1991, Part-I and result of test shall be recorded.

30 **MS PIPES** - MS pipes shall be heavy grade and shall conform to relevant latest IS specifications. Workmanship and laying of pipes shall be carried as specified in section 18 of SSR Part-I 1991. Make of pipes shall be as per Schedule 'A' and work to be executed as per manufacturers instruction to match with existing.

31. MAKES OF VARIOUS MATERIALS

Makes of various items of materials are as under. The contractor has to obtain approval of GE before taking procurement action:-

Sl No	Description of items	Make/Brand
1.	LT Armoured Cable, 1100 Volts, XLPE	Havells/ KEI/ Finolex/Polycab/ Gloster/Universal/ Paragon/HPL
2.	GI Pipes and Fittings	Tata/ Jindal/Zenith/Swastik/Prakash Surya
3.	Cable Jointing Kit for 11 KV/22 KV	Raychems / M-Seal / Birla - 3M / Yamuna Densens
4.	LT Panel / Feeder pillar box/Main distribution panel	L&T/ Legrand/ Standard/ Brilltech/ Dhandapani, Schneider elect or CPRI approvedreputed manufacturers.
5.	DBs/ MCB(Miniature Circuit Breakers & MCCB (Moulded Case Circuit Breakers)	Larsen & Tubro/ Legrand/ ABB/ Siemens / Havells/ Schneider/ Standard/ HPL electric & power Ltd (HPL)/ C&S Electric ltd (C&S Electric)/ Indo Asian/ M/s SNCAB Industries Pvt Ltd
6.	Led Light Fittings Including Aviation Lights, Under Water Lights, Foot Lights, Walk Over Lights, Flood Lights, Panel Lights, Down Lights, Bollards, Façade Lights, Landscape Lights	(a) Philips (b) Osram (c) Wipro (d) Bajaj (e) Crompton Greaves Ltd (f) Syska (g) Orient Electric (h) Havells India Ltd (j) Luker (k) Jaquar (l) Surya Roshni (m) Panasonic (n) Jilco (o) Oregonal

PARTICULAR SPECIFICATIONS (CONTD...)

Sl No	Description of items	Make/Brand
7.	SMC Boxes	Sintex/ Hensel
8.	Synthetic Enamel Paint / Acrylic Paint	Shalimar Paints Ltd. [Superlac] / Asian [Apolite] / Berger [Luxol] / Jenson & Nicholson Paints Ltd [Brolac] / Jotun India Pvt Ltd
9.	Sluice valve	Leader / Kirloskar / Zoloto / L & T /Audco / Venus
10.	Gate Valve/ butterfly Valve/Non Return Valve	Leader/ Zoloto/ Kirloskar/Bir
11.	Air release valve	Leader /BIR/ Kirloskar/ Sant / Audco/ L & T
12.	Pressure Gauge/ temperature Gauge	Havells/ L & T /Elmeasure
13.	Step down Transformer	Voltamp/ITEL /Essenar Transformer/ Andrew yule
14.	Starter Panel	Tata Solar / BHEL/Havells
15.	Booster Pump	Crompton Greaves/Kirloskar/Bharat Bijlee
16.	Ammeter / voltmeter	L & T /Havells/MECO
17.	Cement Concrete Interlocking Paver Blocks / Designer cement concrete Tiles	M/s Ultra Tiles / NITCO / Topaz Tiles/ Vaishnavi Developers/ Patel Furniture Mart
18.	Cement Base Paint	Duracem/Aquacem/ Shalimar/ Berger/Asian/Super Snowcem/ M/s Nitco Mumbai/ Jenson & Nicholson
19.	Acrylic washable distemper/ Distemper oil-emulsion(paint)	Kansai Nerolac (Beauty)/ Berger Paints(JADOO)/ AsianPaints(TractorUNO)/Jenson&Nicholson/ShalimarPaints/ICI India
20.	GI Pipes and Fittings	Tata / Jindal /Zenith/ Swastik / Prakash Surya
21.	Water Closet –Vitreous China (European /Indian)/ Squatting pan Orissa pattern	CERA/ M/s Hindustan Sanitary Ware/ Parry ware/ Jaquar/ Hindware/ HR Johnson/ Prayag/ Neyveli Ceramics (Neycer)/ Somany Ceramic Ltd (SOMANY)
22.	Flushing Cistern - PVC Low level incl Flush Valves and fittings for WC and Urinals	M/s Hindustan Sanitary Ware/ Parryware/ Neycer/ Commander/ CERA/ M/S Johnson Peddar/ Jaquar& Co Pvt Ltd/ Prayag/ RS Industries (POLYTUF)/ Ajanta Polymers/ Shakti Enterprises/
23.	Vitreous China Sanitary Ware (WHB, Water Closet & Urinal)	1. CERA 2. HINDWARE 3. PARRYWARE 4. JAQUAR 5. JOHNSON 6. KOHLER
24.	Chromium Plated (CP) / Copper / Brass-Alloy, Pillar Tap, Bib Tap, Wall Mixer, Shower, Diverters, Waste Coupling, Bottle Trap, Health Faucet, Angel Cock, Cocealed Stop Cock, Stop	Jaquar / Somany / Kohler / Grohe / Hindware
25.	PVC Stop Cock and Bib Cock / Float Valves and accessories	GMP / Neta / Zolota / Prayag Polymer / Symet
26.	PVC Water Tanks/ Polythylene	Sintex/ Polycon, Jaipur/ Rotex/ Infra/ Plasto Nagpur/ Polywell M/s Okey Polymers Pvt Ltd/ JS Polyplast / Ergen Plastic Industries Jodhpur/ Vectus Industires Ltd/ Ashish Plast/ Piyush Plasto Chems Pvt Ltd (MODIGOLD)
27.	Mirror	MODI/ATUL/ ASAHI (AIS) GLASS / KOHINOOR/ SWASTIK/ SAINT GOBAIN/GOD FISH/HINDUSTAN GLASS KOLKATTA
28.	Pre-Painted Galvalume / Galvanized Corrugated Steel Sheets	METCO Roof Pvt Ltd/ M/s Kirby Bulding Systems India Ltd, Andhra Pradesh/ M/s Colour Roof India Ltd./M/s Lloyd Insulation (India) Ltd, Bangalore/ M/s Tata Blue Scope Steel Ltd, Gurgaon/ M/s Multi Colour Steel (India) Pvt Ltd, New Delhi/ M/s JSW Steel
29.	False Ceilings	Anutone/Armstrong/Aerolite/Saint Gobain Gyproc/ Rajshri

Signature of Contractor

AGE (Contracts)
for Accepting Officer

MILITARY ENGINEER SERVICES
NOTICE INVITING TENDER (NIT)

1. A tender is invited for the work as mentioned in Appendix 'A' to this NOTICE INVITING TENDER (NIT).
2. The work is estimated to cost as indicated in aforesaid Appendix 'A'. This estimate, however, is not a guarantee and is merely given as a rough guide and if the work cost more or less, a tenderer/ bidder will have no claim on that account.
3. The work is to be completed within the period as indicated in aforesaid Appendix 'A' in accordance with the phasing, if any, indicated in the tender from the date of handing over site, which will be on or about two weeks after the date of Acceptance of tender.
4. Contractors whose names are on the MES approved list and within whose financial category the estimated amount would fall and unenlisted contractors may submit tender/bid subject to other criteria mentioned in Appendix A. However, in case of Term Contracts, enlisted contractors of Class SS to E may submit tender. Not more than one tender shall be submitted/ uploaded by one contractor/ firm. Under no circumstances will a father and his son(s) or other close relations who have business dealing with one another be allowed to tender/bid for the same contract as separate competitors. Two firms shall be deemed to have business dealing if any of the parties/ proprietor/ director is common among both of them. A breach of this condition will render the tenders/ bids of both the parties liable for rejection.
5. The Office of Garrison Engineer Avadi will be Accepting Officer here-in-after referred to as such for purpose of this contract.
6. Not more than one tender/ bid shall be submitted/ uploaded by one bidder firm. Under no circumstances will a father and his son(s) or other close relations who have business dealing with one another be allowed to tender/ bid for the same tender as separate competitors. A breach of this condition will render the tenders/ bids of both the parties liable for rejection.
7. The Technical Bid and Financial Bid (Cover-1 and Cover-2) shall be uploaded by the contractor on or before the date & time mentioned in **NIT**. A scanned copy of DD with enlistment details and other documents as specified in Appendix A shall be uploaded as Cover-1 (Technical bid) of the tender on e-tendering portal. DD is refundable in case the contractor is not considered eligible in technical evaluation of Cover 1 resulting in non-opening of Cover1. The applicant contractor shall bear the cost of bank charges for procuring and encashing the DD including revalidation of DDs and shall not have any claim from Government whatsoever on this account.
8. Tender form and conditions of contract and other necessary documents shall be available on website defproc.gov.in for download and shall form part of contract agreement in case the tender/ bid is accepted.

9. In case of MES enlisted contractor who has not executed the Standing Security Bond and un enlisted contractor, the Cover-I shall be accompanied by Earnest Money for the amount mentioned in Appendix 'A' in the form of deposit at call receipt in favour of GE Avadi by a scheduled bank or in received treasury challan the amount being credited to the revenue deposit of the GE Avadi (See Appendix 'A'). The GE will return the Earnest Money, wherever applicable, to all unsuccessful tenderers/ bidders by endorsing an authority on the deposit at call receipt for it's refund, on receipt of intimation from the Accepting Officer to do that.
10. In case of successful contractor ie the lowest contractor having submitted EMD, he shall have the option of converting the EMD instrument into part of the Performance Security to be deposited by him within 28 days from the receipt of intimation from acceptance of tender form the Accepting Officer.
11. Sample of materials and stores to be supplied by the contractor will also be available for inspection by the bidder at the office of GE Avadi during work hours. The bidder is advised to visit the site of work by making prior appointment with GE, who is the Executing Agency of the work (See Appendix 'A'). The bidder shall be deemed to have full knowledge of all relevant documents, samples, site etc. whether he has inspected them or not.
12. Any bid which proposes any alteration to any of the conditions laid down or proposes any other new condition whatsoever, is liable to be rejected.
13. The uploading of bid by a bidder implies that bidder has read this notice and the conditions of contracts and has made himself aware of the scope and specification of work to be done and of the conditions and rates at which stores (as applicable) etc. will be issued to him and local conditions and other factors having bearing on the execution of the work.
14. The bidder must be possession of a copy of the MES Schedule (SSR) (Part I and Part II of latest edition) including amendments and errata thereto.
15. Accepting Officer does not bind himself to accept the lowest to any tender/ bid or to give any reason for not doing so.
16. The Accepting Officer reserves the right to accept a tender submitted by a Public Undertaking/ Small & Medium Enterprises (SMEs), giving a price preference/ purchase preference over other tender(s)/ bids which may be lower, as are admissible under the Government Policy. No claim for any compensation or otherwise shall be admissible for such tenderer/ bidder whose tender/ bid is rejected.
17. The **Notice Inviting Tender (NIT)** including Appendix 'A' and Annexure thereto, if any, shall form part of the contract agreement.

Signature of Contractor

AGE (Contracts)
for Accepting Officer

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APPENDIX 'A' TO NOTICE INVITING TENDER (NIT)

1	Name of work	SPL REPAIRS TO STP & REPAIR/MAINTENANCE OF STP INCLUDING ALLIED WORKS INCLUDING MAINTENANCE OF FIRE HYDRANT SYSTEM ALONGWITH ADDN/ALTN TO IT SECTION IN AF AREA UNDER GE AVADI.
2	Estimated Cost	Rs 47.00 Lakh (At par Market)
3	Period of completion	250 Days
4	Cost of tender documents	Rs. 500/- in the form of DD/Bankers cheque from any scheduled Bank in favour of GE Avadi and payable at Avadi. (Note: In case of retendering, the contractor who had quoted in the previous call is not required to submit the cost of tender.)
5	Website/portal address	www.defproc.gov.in
6	Type of contract	The tender shall be based on specifications (IAFW 1779A) and GCC (IAFW-2249) with Schedule 'A' (list of items of work). The contractor is required to quote the rates against each item of Schedule 'A'.
7	Time line Details:	
	(a) Bid submission start date	Refer critical dates on the website.
	(b) Bid submission end date	
	(c) Date of bid opening	
8	Eligibility Criteria	
	(A) For MES enlisted Contractors	Contractors shall be enlisted with MES in Class 'D' and above and category a(i) & b(i) subject to satisfactory remarks wrt performance in respect of works in hand as reflected in Work Load Return (WLR) or any other report circulated by competent engineer authority.
	(b) For contractors not enlisted with MES	(i) Contractors not enlisted with MES should meet the enlistment criteria of 'D' class & category a(i) & b(i) contractor with regard to satisfactorily completion of requisite value works with Central / State Government / Central / State PSUs / AWHO / AFNHB / CGEWHO / DGMAP, annual turnover, bank solvency, working capital and other requirements given in Para 1.4 & 1.5 of Section 1 of MES Manual of Contracts 2020 as available in all MES formations as well as MES website (www.mes.gov.in) (ii) Not carrying adverse remarks in Work Load Return (WLR) or any other similar report circulated by any competent authority, if already working in MES. (iii) Not suspended/debarred/blacklisted (either permanent or temporarily) from participating in any bid or for business dealings by any Central/ State Government Department or any Central / State Government PSU or any Autonomous Body under Central/State Government or any Local Body as on the bid submission end date.
	(c) Technical PQC criteria	NA

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9	Tender issuing and Accepting Officer	<u>Name:</u> Maj Alkesh Tiwari GE <u>Address:</u> Garrison Engineer, Military Engineer Services, Muthaputhupet, Avadi, Chennai-600 055 <u>Contact Details:</u> Phone No: 26841345, 26841271 Email: geavadi@gmail.com
10	Executing agency	GE Avadi
11	Earnest Money	Rs 94,000.00 in favour of GE Avadi in the form of deposit at call receipt, FDR not acceptable.

NOTES :

1. After opening of Cover I, if the number of MES enlisted contractors of eligible class as well as un-enlisted contractors, if any, fulfilling the other eligibility criteria given in NIT are less than 7 (Seven), applications in respect of MES contractors of one class or two classes (in case of remote and difficult areas to be decided as per list circulated by CE Command/ ADG) below the eligible class shall also be considered subject to fulfillment of other eligibility criteria given in the NIT. Therefore, MES contractors one class below (two classes below in case of remote and difficult area) may also bid for this tender. Such contractors (contractors of one/ two classes below the eligible class) shall not be considered in case their present residual work in hand is more than **FIVE TIMES** their present tendering limit. However, in case such contractors fulfill the criteria of upgradation to the stipulated eligible class based on past experience of completed works (individual work experience and or average annual turnover, as applicable) and financial soundness (solvency/ financial soundness and working capital) the ceiling of present residual work will not apply and they will be considered for issue of tender. **Such bidders shall upload their cover-1 bid details related to residual work in hand showing names of work, name of Accepting Officer, Contract amount, dates of commencement and completion (stipulated) and progress as on bid submission date.** Such contractors, if claim to fulfill criteria of upgradation shall also upload the requisite information/ document in support of upgradation. These details shall be verified by the Tender Issuing Authority from concerned formations in case of bids of such contractors are considered for evaluation.

2. In case after opening of Cover-I, the number of MES enlisted contractors of eligible class as well as un-enlisted contractors, if any, fulfilling the other eligibility criteria given in NIT, are 7 (Seven) or more, applications of only those one class below the eligible class bidders shall be considered, who have previously completed similar works satisfactorily and are meeting the criteria of upgradation in respect of past experience of completed works (individual work experience and /or average annual turnover as applicable) and financial soundness (solvency/financial soundness and working capital) as per details given in Manual of Contracts. Therefore such contractors shall upload the requisite information/documents in the Cover-I.

3. Unlisted contractor shall be considered provided he meets the criteria. Foreign firms shall not be eligible for this tender. However Indian Firms having foreign national / Indian nationals staying abroad / Indian national having taken foreign citizenship, as director(s) shall be considered subject to security clearance from the concerned authorities.

4. Contractors enlisted with MES will upload following documents in Cover-I for checking eligibility:-
 - (a) Application for tender on Firms letterhead.
 - (b) Enlistment letter issued by the Registering Authority duly renewed for the cycle period in vogue.
 - (c) Scanned copy of DD/ Bankers Cheque toward cost of tender and EMD instrument in case SSD bond is not signed at the time of registration.
 - (d) Any other document required as described in this Appendix.
5. Contractors not enlisted with MES will be required to upload following documents in Cover –I for checking eligibility.
 - (a) Application for tender on Firm's letterhead.
 - (b) Scanned copy of DD/Bankers cheque toward cost of tender and Earnest Money Deposit (EMD) instrument.
 - (c) Copy of Police Verification Report/ Police Clearance Certificate/ Character Certificate from the Police Authority of the area where the registered office of the firm is located/ notarized copy of valid passport of Proprietor/ each Partner/ each Director.
 - (d) All documents required for enlistment in MES for the class mentioned in Para 8(b) above as per Para 1.5 of Section 1 of MES Manual on Contracts 2020.
 - (e) Details of works being executed in MES, if any.
 - (f) Any other documents required as described in this Appendix.
6. Tenders not accompanied by scanned copies of requisite DD/Bankers Cheque towards cost of tender and earnest money (as applicable) in Cover I shall not be considered for validation of "T" bid and their financial Bid will not be opened.
7. Contractors should ensure that their original physical DDs and Earnest Money Deposit (EMD) instruments (as applicable) reach the office of Accepting officer within 05 days of bid submission end date failing which following action shall be taken.
 - (a) In case of tenders from and enlisted contractor of MES, where scanned copies of requisite DD/Bankers Cheque towards cost of tender have been uploaded in Cover I but physical copies are not received within the stipulated period, their financial bids (Cover 2) will be opened . However non-submission of physical copies of cost of tender shall be considered as wilful negligence of the tenderer with ulterior motives and such tenderer shall be banned from bidding for a period of six months commencing from the date of opening of Financial Bid (Cover 2).
 - (b) In case of tenders from unlisted contractor, where scanned copies of requisite DD/Bankers Cheque towards cost of tender have been uploaded in Cover I but physical copies are not received within the stipulated period, their financial bids (Cover 2) will not be opened. Name of such contractors along with complete address shall be circulated for not opening of these bids for a period of six months commencing from the date of opening of Financial bid (Cover 2)
 - (c) In case of tenders from enlisted and unenlisted contractors, where scanned copies of instruments for Earnest Money Deposit (as applicable) have been uploaded in Cover I but the same are not received in physical form within stipulated period, such tenders shall not qualify for opening of financial bid (Cover 2)

8. Contractor will not be allowed to execute the work by subletting or through power of attorney to third party/another firm on his behalf. However, contractors can execute the work through power of attorney to sons/daughter/spouse of proprietor/Partner/Director and firm's own employees director, project manager provided they are not having a separate enlisted firm in MES in their names as Proprietor/ Partner/ Director.
9. After opening of Cover I and during its technical evaluation in case any deficiency is noticed in the documents required to be uploaded by the renderers as per NIT, a communication in the form of e-mail/SMS/Speed Post etc shall be sent to the contractor to rectify the deficiency with in a period of seven days from date of communication failing which their financial bid (Cover 2) shall not be opened and contractor shall not have any claim on the same.
10. Invitation for e-tender does not constitute any guarantee for validation of Technical bid and subsequent opening of financial bid of any applicant/bidder merely by virtue of enclosing DD. Accepting Officer reserves the right to reject the Technical bid and not to open the financial bid of any applicant/bidder. Technical bid validation shall be decided by the Accepting Officer based on eligibility of the firm as per criteria given in this Appendix. Tenderer/bidder will be informed regarding non-validation of his Technical bid assigning reasons therefore through tender evaluation report which shall be uploaded on the website. Such tenderer, if desires, may appeal to the next higher Engineer Authority (NHEA) viz **CWE Chennai** on email **chen3-mes@nic.in** with copy to the Accepting Officer on email before the scheduled date of opening of Cover 2. NEHA shall decide the matter within a period of seven working days from the date of receipt of appeal. The decision of the NHEA shall be final and binding. The tenderer/bidder shall not be entitled for any compensation whatsoever for rejection of his bid.
11. In case an unenlisted contractor is already executing works in MES, he shall not be considered eligible for the subject tender if the total value of such works is more than twice the tendering limit of the MES class of contractor for which it is eligible for this purpose, details of the works being executed by such a contractor shall be uploaded in Cover-I of the bid and shall be checked /verified by the Accepting Officer.
12. In case the BOQ is revised through the corrigendum and the bidder has failed to quote on revised BOQ (i.e., he has quoted on pre revised BOQ) such bid shall be treated as willful negligence by the bidder and his quotation shall be considered non-bonafide. In such cases the lowest tender shall be determined from amongst the valid/bonafide bids only. Accepting Officer may decide whether to re-tender or consider the lowest bonafide tender for acceptance.
13. Revoking the offer or revising the rates upward or offering voluntary reduction by the lowest tenderer after opening of Cover 2 shall be considered as a willful default. For this default a penalty of an amount equal to Earnest Money shall be levied. In case of an unlisted tenderer earnest money deposited by him shall be forfeited. In case of MES enlisted tenderer having deposited the Standing security bond and amount equal to the earnest money stipulated in the NIT shall be notified to the tenderer for depositing through MRO and consideration of such tenderer in tender evaluation for future works shall remain suspended till the aforementioned amount is deposited in the Government Treasury. No other disciplinary/administrative action shall be taken against such tenderers. In such a situation, the next lowest offer shall not be considered for acceptance. Instead, retendering shall be resorted to in a transparent and fair manner and the defaulting tenderer and his related firm if any, shall not be eligible for this tender in second call or subsequent calls.

14. Tender to related firms shall not be issued simultaneously. Firms shall be termed as related if proprietor/one or more Partners/Directors are common. Decision of Accepting Officer on issue/deny the tender to any one of the related firms shall be final and binding.

Signature of contractor

(J Jeya Packia Selvi)
AE (QS&C)
AGE (Contracts)
for Accepting Officer

File No: 8221/ 17 /E8

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