



एन एच पी सी लिमिटेड
(भारत सरकार का एक नवरातन उद्यम)
NHPC Limited
(A Government of India Navratna Enterprise)



संविदा सिविल विभाग
Contracts Civil Division
एनएचपीसी ऑफिस कॉम्प्लेक्स, सेक्टर-33,
फरीदाबाद (हरियाणा)-121003
NHPC Office Complex, sector-33,
Faridabad (Haryana)-121003
फोन/Phone: 0129-225476
ईमेल/Email: contcivil2-co@nhpc.nic.in

Ref: NH/CCW/CC-II/CO-323/PR-11124/47/348

Date: 18-07-2025

M/s Patel Engineering Ltd.
Patel Estate Road, Jogeshwari (W),
Mumbai - 400102

E-Mail: contract@pateleng.com

Sub: Letter of Acceptance for “Package-6, Modification of Diversion Tunnel into Tunnel Spillway Arrangement - Civil & HM Works (Tunnel Spillway, Adit to GOC, GOC Gate Shaft, Inlet Bellmouth, Outlet Concrete Dyke and Energy Dissipation Arrangement), for Teesta-V Power Station, Sikkim”.

Ref: 1. E-Tender ID: 2024_NHPC_812702_1
2. Tender Reference No. NH/CCW/CC-II/CO-323/PR-11124/47 dated 21-06-2024

Dear Sir,

1.0 This has reference to the following:

(i) Online Bid invited through CPP Portal vide Notice Inviting e-Tender dated 21.06.2024 with Tender Specification no. NH/CCW/CC-II/CO-323/PR-11124/47 and Tender ID No. 2024_NHPC_812702_1 dated 21.06.2024 comprising the following:

- Section I : Notice Inviting E-Tender (NIT),
- Section II : Instructions to Bidders (ITB), Bidding Data and Information for Bidders (IFB),
- Section III : Tender Forms, Form of declaration and Qualification Information,
- Section IV : General Conditions of Contract (GCC) and Schedules,
- Section V : Forms,
- Section VI : Special Conditions of Contract (SCC),
- Section VII : Schedule of Quantities and Prices (Bill of Quantities (BOQ)),
- Section VIII : Technical Specifications (TS), General Technical Specification (GTS), Particular Technical Specification (PTS), Technical Data Sheets (TDS), Mode QAP and Safety Manual,
- Section IX : Drawings.

(ii) Your Bid (Single Stage, Two Envelope System i.e. Cover-I: Techno-Commercial Bid & Cover-II: Price Bid) for the subject work submitted by you on CPP Portal on/before 29.07.2024 vide your Letter of Tender dated 29.07.2024 and Bid no. 3059001.

(iii) Corrigendum / Amendments to the Tender Document issued and published by us on the Central Public Procurement Portal (CPPP):

स्वहित एवं राष्ट्रहित में ऊर्जा बचाना / Save Energy for Benefit of Self and Nation
बिजली से संबंधित शिकायतों के लिए / डायल करें 1912 Dial 1912 for Complaints on Electricity
CIN: L40101HR1975GOI032564

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- Corrigendum no. 1 dated 03-07-2024: Amendments in PTS and Extension of bid submission & opening dates.
- Corrigendum no. 2 dated 05-07-2024: Inclusion of additional Tender Drawings.
- Corrigendum no. 3 dated 10-07-2024: Amendment in Tender Drawings.
- Corrigendum no. 4 dated 15-07-2024: Extension of bid submission & opening dates

- (iv) Opening of offline bid on 30.07.2024 and online Techno-Commercial Bids through Central Public Procurement (CPP) Portal on 30.07.2024.
- (v) Clarifications on bid document sought vide our letter No. NH/CCW/CC-II/2341 dated 16.08.2024
- (vi) Submissions made by you vide your letter no. 100 / 4092 / 13898 dated 20.08.2024
- (vii) Clarifications letters regarding nomination of sub-contractor for HM Works issued vide no. NH/CCW/CC-II/2304 dated 26.09.2024 & no. NH/CCW/CC-II/2307 dated 27.09.2024.
- (viii) Confirmation of sub-contractor for HM Works by M/s Patel Engineering Ltd. vide letter no. 100/4092/14264 dated 27.09.2024.
- (ix) Clarifications letter regarding corrected BOQ issued vide no. NH/CCW/CC-II/2315 dated 01.10.2024.
- (x) Corrected BOQ submitted by M/s Patel Engineering Ltd. vide letter no. 100/4092/14311 dated 03.10.2024.
- (xi) Request for Bid Validity made vide our letter no. NH/CCW/CC-II/2350 dated 06.11.2024.
- (xii) Bid Validity Extended by M/s Patel Engineering Ltd. vide letter no. 100/4092/14716 dated 11.11.2024.
- (xiii) Request for Bid Validity made vide our letter no. NH/CCW/CC-II/2747 dated 06.02.2025.
- (xiv) Bid Validity Extended by M/s Patel Engineering Ltd. vide letter no. 100/4092/15424 dated 14.02.2025.



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संविदा सिविल विभाग
Contracts Civil Division
एनएचपीसी ऑफिस कॉम्प्लेक्स, सेक्टर-33,
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NHPC Office Complex, sector-33,
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फोन/Phone: 0129-225476
ईमेल/Email: contcivil2-co@nhpc.nic.in / nhpc.nic.in

- 2.0 We confirm having accepted your bid dated 29.07.2024 read in conjunction with all the specifications, terms and conditions of Bidding documents and subsequent letters referred to in Para 1.0 above and award to you the Contract for the work of **“Package-6, Modification of Diversion Tunnel into Tunnel Spillway Arrangement - Civil & HM Works (Tunnel Spillway, Adit to GOC, GOC Gate Shaft, Inlet Bellmouth, Outlet Concrete Dyke and Energy Dissipation Arrangement), for Teesta-V Power Station, Sikkim”**, for a Contract price of **INR 239,97,64,065/- (INR Two Hundred Thirty Nine Crore Ninety Seven Lac Sixty Four Thousand and Sixty Five Only)** including all Taxes and duties. Schedule of Quantities and Prices is attached as **Annexure-I**.
- 3.0 You have confirmed **M/s PES Engineers Private Ltd. as Sub-Contractor for the Hydro Mechanical Works** vide letter no. 100/4092/14264 dated 27.09.2024.
- 4.0 The completion time of Five Hundred Forty Six (546) Days shall be reckoned from the date of issue of this Letter of Acceptance in terms of Sub-Clause 14.1 & 39.1 of General Conditions of Contract.
- 5.0 You are requested to enter in to a Contract Agreement with the Employer as per Proforma enclosed in the Bidding Document on non-judicial stamp paper of appropriate value within 28 days from the date of issue of this Letter of Acceptance in terms of Sub-Clause 26.2 of Instruction to Bidder (ITB).
- 6.0 You are requested to submit duly executed Integrity Pact on Non-judicial Stamp Paper of appropriate value prior to signing of Contract Agreement in terms of Sub-Clause 2.4 of ITB.
- 7.0 You are requested to submit the Performance Security within 28 days of issue of this Letter of Acceptance in terms of Sub-Clause no. 3.2 of General Conditions of Contract.
- 8.0 You are advised to take specific care during construction stage to keep the variation under check in the quantities specified in **‘Schedule of Quantities and Prices’**. Variation in Abnormally High Quoted (AHR) items of Bill of Quantities (BOQ) shall be done only after prior technical approval of the Engineer-in-Charge. You are also advised to ensure that the Abnormally High Quoted (ALR) items of Bill of Quantities (BOQ) are not substituted during execution. List of AHR and ALR Items is detailed hereunder:

A. Abnormally Low Quoted Items (ALR):	
Schedule-1:	Item no. 7.3.2, 17.2
Schedule-3:	Item no. 1.6, 3.4, 3.5, 4.3

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Schedule-4:	Item no. 1.2, 1.5, 1.6, 2.7, 3.4, 3.5, 4.3, 4.4, 4.6, 5.2
B. Abnormally High Quoted Items (AHR):	
Schedule-1:	Item no. 3.5, 4.5, 4.10, 4.13
Schedule-3:	Item no. 1.3, 2.1, 2.2, 2.4, 2.5, 2.6, 4.2, 4.5, 5.1
Schedule-4:	Item no. 1.3, 2.2, 4.2, 4.5
Schedule-5:	Item no. 1.3, 1.4, 1.5, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 3.1, 3.2, 3.3, 4.1, 4.2, 4.3, 4.4, 4.5

9.0 This Letter of Acceptance is being issued to you in duplicate. We request you to return its duplicate copy duly signed and stamped on each page by the authorized signatory of your company as a proof of your acknowledgement and confirmation.

10.0 You are hereby directed to contact Head of Project, Teesta-V Power Station, NHPC Limited for taking over the work site and to commence the Works immediately.

Thanking you,

Yours faithfully,
For and on behalf of NHPC Limited

Pranav
18/7/25

General Manager (CC-II)
Contracts Civil Division
Corporate Office, Faridabad
e-Mail id: contcivil2-co@nhpc.nic.in

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Tender Inviting Authority: General Manager (CC-II), Contracts Civil Division, NHPC Ltd, Corporate Office, Faridabad

Name of Work: Package-6, Modification of Diversion Tunnel into Tunnel Spillway Arrangement - Civil & HM Works (Tunnel Spillway, Adit to GOC, GOC Gate Shaft, Inlet Bellmouth, Outlet Concrete Dyke and Energy Dissipation Arrangement) for Teesta-V Power Station, Sikkim.

Tender Reference No: NH/CCW/CC-II/CO-323/PR-11124/47

Tender ID: 2024_NHPC_812702_1

Name of the Bidder/ Bidding Firm / Company :	Patel Engineering Limited			
PRICE SCHEDULE Schedule-6: Grand Summary				
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)				
NUMBER #	TEXT #	NUMBER #	NUMBER #	NUMBER #
Sl. No.	Item Description	Total of Foreign Currency 1	Total of Foreign Currency 2	Total of INR
1	2	3	4	5
1	Total of Schedule-1: Civil Works			1858000000.00
2	Total of Schedule-2: Hydro Mechanical Works - Plant, Equipment and Mendatory Spare Parts supplied from abroad.	0.00	0.00	
3	Total of Schedule-3: Hydro Mechanical Works - Plant, Equipment and Mendatory Spare Parts supplied from within the Employer's Country.	0.00	0.00	425631746.00
4	Total of Schedule-4: Hydro Mechanical Works - Local Transportation including port clearance & port charges and inland insurance.	0.00	0.00	18011464.00
5	Total of Schedule 5: Hydro Mechanical Works - Installation, Testing and Commissioning.	0.00	0.00	98120855.00
Total in Figures		0.00	0.00	2399764065.00



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Item Rate BoQ

Tender Inviting Authority: General Manager (CC-II), Contracts Civil Division, NHPC Ltd, Corporate Office, Faridabad

Name of Work: Package-6, Modification of Diversion Tunnel into Tunnel Spillway Arrangement - Civil & HM Works (Tunnel Spillway, Adit to GOC, GOC Gate Shaft, Inlet Bellmouth, Outlet Concrete Dyke and Energy Dissipation Arrangement) for Teesta-V Power Station, Sikkim.

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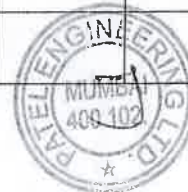
Name of the
Bidder/ Bidding
Firm /
Company :

Patel Engineering Limited

PRICE SCHEDULE**Schedule-1: Civil Works**

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item No. & Description	Item No.	Quantity	Units	Rate of Fixed Rate Items in INR (₹)	Ref. to Tech. Spec.	RATE including Taxes in Figures To be entered by the Bidder in INR (₹)	TOTAL AMOUNT With Taxes in INR (₹)	TOTAL AMOUNT In Words
1	2	3	4	5	6	7	8	9	10
1	Dewatering During Construction (fixed rate item)	1	10000	KWh	27.78	B.1	27.78	277800.00	INR Two Lakh Seventy Seven Thousand Eight Hundred Only
2	Surface Excavation	2				B.2			
3	Common Excavation	2.1	15000	m³			368.00	5520000.00	INR Fifty Five Lakh Twenty Thousand Only
4	Rock Excavation	2.2	10000	m³			758.00	7580000.00	INR Seventy Five Lakh Eighty Thousand Only
5	Underground Excavation	3				B.3			
6	Excavation of Tunnel Spillway & Environment flow tunnel	3.1							
7	Class I, II, III	3.1.1	50000	m³			2581.00	129050000.00	INR Twelve Crore Ninety Lakh Fifty Thousand Only
8	Class IV, V	3.1.2	21700	m³			3012.00	65360400.00	INR Six Crore Fifty Three Lakh Sixty Thousand Four Hundred Only



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9	Excavation of Gate operation chamber including excavation of Gate shaft in all classes of rock, Shaft for Environmental Flow tunnel & its Access Gallery & construction adit	3.2							
10	Excavation of Gate operation chamber in all classes of rock including Adit to GOC and Access Gallery to Shaft for Environmental Flow tunnel	3.2.1	17700	m ³			2711.00	47984700.00	INR Four Crore Seventy Nine Lakh Eighty Four Thousand Seven Hundred Only
11	Excavation in Gate shafts and Shaft for Environmental Flow tunnel in all classes of rock	3.2.2	11000	m ³			6422.00	70642000.00	INR Seven Crore Six Lakh Forty Two Thousand Only
12	Removal of material arising from overbreak accepted due to geological conditions.	3.3	10000	m ³			1534.00	15340000.00	INR One Crore Fifty Three Lakh Forty Thousand Only
13	Line Drilling	3.4	1510	m			618.00	933180.00	INR Nine Lakh Thirty Three Thousand One Hundred & Eighty Only
14	Dental Excavation	3.5	50	m ³			3212.00	160600.00	INR One Lakh Sixty Thousand Six Hundred Only
15	Dismantling of existing concrete	3.6	2000	m ³			5778.00	11556000.00	INR One Crore Fifteen Lakh Fifty Six Thousand Only
16	Common Excavation (silt removal from existing diversion tunnel)	3.7	43200	m ³			466.00	20131200.00	INR Two Crore One Lakh Thirty One Thousand Two Hundred Only
17	Extra for haulage beyond 3 km and upto 6 km	3.8	20000	m ³			131.00	2620000.00	INR Twenty Six Lakh Twenty Thousand Only
18	Rock Stabilization and Supports	4				B.4			
19	Rockbolts 25mm dia. Including accessories in Tunnel Spillway, GOC, Gate Shaft, environment-flow tunnel & Construction Adit	4.1							
20	Length upto 4.0m	4.1.1	5000	m			1032.00	5160000.00	INR Fifty One Lakh Sixty Thousand Only
21	Length more than 4.0m and up to 6.0 m	4.1.2	52000	m			1064.00	55328000.00	INR Five Crore Fifty Three Lakh Twenty Eight Thousand Only
22	Rockbolt Testing	4.1.3	100	nos			860.00	86000.00	INR Eighty Six Thousand Only
23	Extension for embedding into concrete where required	4.1.4	500	KG			103.00	51500.00	INR Fifty One Thousand Five Hundred Only
24	Rockbolts 32mm dia. Including accessories in GOC	4.2							



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25	Length more than 6.0m and up to 9.0 m	4.2.1	20000	m			1326.00	26520000.00	INR Two Crore Sixty Five Lakh Twenty Thousand Only
26	Rockbolt Testing	4.2.2	25	Nos			860.00	21500.00	INR Twenty One Thousand Five Hundred Only
27	Rock anchors 25mm dia. Including accessories in Tunnel Spillway Portal	4.3							
28	Length more than 4.0m and up to 6.0 m	4.3.1	4000	m			1032.00	4128000.00	INR Forty One Lakh Twenty Eight Thousand Only
29	Grouted Anchors Bars	4.4							
30	Length up to 4.0m	4.4.1							
31	25 mm dia	4.4.1.1	380	m			1067.00	405460.00	INR Four Lakh Five Thousand Four Hundred & Sixty Only
32	32 mm dia	4.4.1.2	50	m			1423.00	71150.00	INR Seventy One Thousand One Hundred & Fifty Only
33	Length more than 4.0m and up to 6.0 m	4.4.2							
34	25 mm dia	4.4.2.1	6000	m			1100.00	6600000.00	INR Sixty Six Lakh Only
35	32 mm dia	4.4.2.2	2000	m			1472.00	2944000.00	INR Twenty Nine Lakh Forty Four Thousand Only
36	Self Drilling Hollow Core Anchor - 25 mm dia	4.5	1000	m			2155.00	2155000.00	INR Twenty One Lakh Fifty Five Thousand Only
37	Steel Ribs	4.6	300	MT			120562.00	36168600.00	INR Three Crore Sixty One Lakh Sixty Eight Thousand Six Hundred Only
38	Precast Concrete Lagging	4.7	390	m ³			20623.00	8042970.00	INR Eighty Lakh Forty Two Thousand Nine Hundred & Seventy Only
39	Steel Lagging	4.8	20	MT			121505.00	2430100.00	INR Twenty Four Lakh Thirty Thousand One Hundred Only
40	Forepoling	4.9	1500	m			1504.00	2256000.00	INR Twenty Two Lakh Fifty Six Thousand Only
41	Grouting Operations	4.9.1	150	nos			2265.00	339750.00	INR Three Lakh Thirty Nine Thousand Seven Hundred & Fifty Only
42	Pipe roofing 88.9 mm dia High Tensile Steel including grouting operation	4.10	2000	m			7800.00	15600000.00	INR One Crore Fifty Six Lakh Only



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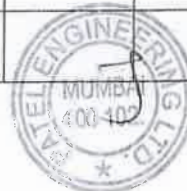
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43	Welded Wiremesh	4.11	2500	m ²			460.00	1150000.00	INR Eleven Lakh Fifty Thousand Only
44	Post tensioned Rockbolts (Tendons)	4.12	500	m			10609.00	5304500.00	INR Fifty Three Lakh Four Thousand Five Hundred Only
45	Testing of Post Tensioned Rock Bolts	4.13	1	No.			41189.00	41189.00	INR Forty One Thousand One Hundred & Eighty Nine Only
46	Shotcrete	5				B.5			
47	Plain Shotcrete	5.1	250	m ³			20355.00	5088750.00	INR Fifty Lakh Eighty Eight Thousand Seven Hundred & Fifty Only
48	SFR Shotcrete excluding steel fibre	5.3	2400	m ³			20989.00	50373600.00	INR Five Crore Three Lakh Seventy Three Thousand Six Hundred Only
49	Micro silica	5.4	100	MT			26790.00	2679000.00	INR Twenty Six Lakh Seventy Nine Thousand Only
50	Steel Fibers	5.5	90	MT			126700.00	11403000.00	INR One Crore Fourteen Lakh Three Thousand Only
51	Superplastisizers	5.6	19200	kg			54.00	1036800.00	INR Ten Lakh Thirty Six Thousand Eight Hundred Only
52	Cement variation in Shotcrete (fixed rate item)	5.7	84	MT	10428.25		10428.25	875973.00	INR Eight Lakh Seventy Five Thousand Nine Hundred & Seventy Three Only
53	Embankment Construction and Backfill	6				B.6			
54	Compacted Backfill (for roadworks at inlet, outlet portal and embankment etc.)	6.1	62800	m ³			531.00	33346800.00	INR Three Crore Thirty Three Lakh Forty Six Thousand Eight Hundred Only
55	Random Backfill	6.2	2650	m ³			488.00	1293200.00	INR Twelve Lakh Ninety Three Thousand Two Hundred Only
56	Drilling, Grouting and Pressure Relief Holes	7				B.7			
57	Contact Grouting	7.1							
58	Drilling 45mm holes for Contact Grouting	7.1.1	1500	m			977.00	1465500.00	INR Fourteen Lakh Sixty Five Thousand Five Hundred Only
59	Grouting Operation	7.1.2	1500	Nos			1280.00	1920000.00	INR Nineteen Lakh Twenty Thousand Only
60	Consolidation Grouting	7.2							



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61	Drilling 45mm holes for Consolidation Grouting	7.2.1	4900	m		971.00	4757900.00	INR Forty Seven Lakh Fifty Seven Thousand Nine Hundred Only
62	Grouting Operations	7.2.2	980	Nos		2157.00	2113860.00	INR Twenty One Lakh Thirteen Thousand Eight Hundred & Sixty Only
63	Grouting materials	7.3						
64	Cement	7.3.1	400	MT		12907.00	5162800.00	INR Fifty One Lakh Sixty Two Thousand Eight Hundred Only
65	Admixtures	7.3.2	4	MT		52014.00	208056.00	INR Two Lakh Eight Thousand & Fifty Six Only
66	Drainage Holes	7.4						
67	Drilling of 45mm holes for Drainage/Pressure relief holes	7.4.1	5200	m		971.00	5049200.00	INR Fifty Lakh Forty Nine Thousand Two Hundred Only
68	Supply and installation of 36 mm dia perforated PVC pipes	7.4.2	5200	m		432.00	2246400.00	INR Twenty Two Lakh Forty Six Thousand Four Hundred Only
69	Concrete	9			B.9			
70	Concrete in Tunnels & Adits (including formwork)	9.1.						
71	PCC lining M25/A40 in tunnel invert	9.1.1	228	m³		9133.00	2082324.00	INR Twenty Lakh Eighty Two Thousand Three Hundred & Twenty Four Only
72	PCC lining M25/A40 in tunnel overt	9.1.2	600	m³		10197.00	6118200.00	INR Sixty One Lakh Eighteen Thousand Two Hundred Only
73	PCC lining M25/A40 in tunnel overt in geologically approved overbreaks at (75% rate of 9.1.2)	9.1.2.1	300	m³		7647.75	2294325.00	INR Twenty Two Lakh Ninety Four Thousand Three Hundred & Twenty Five Only
74	High Performance Concrete (HPC) excluding silica fumes M70/A20	9.1.3	0	m³			0.00	INR Zero Only
75	Lining in tunnel invert	9.1.3.1	5200	m³		14294.00	74328800.00	INR Seven Crore Forty Three Lakh Twenty Eight Thousand Eight Hundred Only
76	Lining in tunnel overt	9.1.3.2	5800	m³		16966.00	98402800.00	INR Nine Crore Eighty Four Lakh Two Thousand Eight Hundred Only
77	lining in tunnel overt in geologically approved overbreaks at (75% rate of 9.1.3.2)	9.1.3.2.1	3900	m³		12724.50	49625550.00	INR Four Crore Ninety Six Lakh Twenty Five Thousand Five Hundred & Fifty Only
78	At Bellmouth	9.1.3.3	11900	m³		11688.00	139087200.00	INR Thirteen Crore Ninety Lakh Eighty Seven Thousand Two Hundred Only



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79	Silica fumes	9.1.3.4	1206 MT				29158.00	35164548.00	INR Three Crore Fifty One Lakh Sixty Four Thousand Five Hundred & Forty Eight Only
80	Backfill Concrete M15/A40 in geologically approved overbreaks	9.1.4	3700 m³				8947.00	33103900.00	INR Three Crore Thirty One Lakh Three Thousand Nine Hundred Only
81	M15/A80 at inlet portal	9.1.5	12000 m³				8429.00	101148000.00	INR Ten Crore Eleven Lakh Forty Eight Thousand Only
82	Self Compacting Backfill concrete M20/A40 behind steel liner in Tunnel Spillway and steel pipe for environmental flow	9.2	3300 m³				8925.00	29452500.00	INR Two Crore Ninety Four Lakh Fifty Two Thousand Five Hundred Only
83	M20/A40 in Geologically approved overbreaks (75% rate of 9.2)	9.2.1	900 m³				6693.75	6024375.00	INR Sixty Lakh Twenty Four Thousand Three Hundred & Seventy Five Only
84	M25/A40	9.3							
85	At Outlet Portal (including formwork)	9.3.1	500 m³				7563.00	3781500.00	INR Thirty Seven Lakh Eighty One Thousand Five Hundred Only
86	GOC & Gate shaft (including transitions) (including formwork)	9.3.2	12200 m³				9171.00	111886200.00	INR Eleven Crore Eighteen Lakh Eighty Six Thousand Two Hundred Only
87	Second stage concrete (self compacting) M35/A20 (including formwork)	9.4	200 m³				10413.00	2082600.00	INR Twenty Lakh Eighty Two Thousand Six Hundred Only
88	Concrete Cladding M20/A20 (including formwork)	9.5	1200 m³				9508.00	11409600.00	INR One Crore Fourteen Lakh Nine Thousand Six Hundred Only
89	Concrete Blocks M25/A40 (including formwork)	9.6	150 m³				10131.00	1519650.00	INR Fifteen Lakh Nineteen Thousand Six Hundred & Fifty Only
90	M35/A40 Concrete in Energy Dissipation Arrangement (including formwork)	9.7	5000 m³				9640.00	48200000.00	INR Four Crore Eighty Two Lakh Only
91	Construction of (M25/A20) RCC slab bridge, approach slabs etc as per IRC classification rested over pier/abutment of dam, complete in all respect as per drawings and specifications (including formwork)	9.8							
92	M25/A20 grade concrete	9.8.1	210 m³				10247.00	2151870.00	INR Twenty One Lakh Fifty One Thousand Eight Hundred & Seventy Only
93	Pre-cast unit (Beams)	9.8.2	900 m³				13197.00	11877300.00	INR One Crore Eighteen Lakh Seventy Seven Thousand Three Hundred Only
94	M30/A20 Concrete in pedestals over piers for bridge (including formwork)	9.9	250 m³				11938.00	2984500.00	INR Twenty Nine Lakh Eighty Four Thousand Five Hundred Only
95	Concrete in training wall, concrete cladding, coffer dyke, tunnel Plug etc. (including formwork)	9.10							



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96	M15/A40	9.10.1	5000 m³				7602.00	38010000.00	INR Three Crore Eighty Lakh Ten Thousand Only
97	M25/A40 RCC	9.10.2	500 m³				8408.00	4204000.00	INR Forty Two Lakh Four Thousand Only
98	Tunnel Plug -M20/A40	9.10.3	9000 m³				10865.00	97785000.00	INR Nine Crore Seventy Seven Lakh Eighty Five Thousand Only
99	Bridge ancillaries	9.11							
100	Elastomeric bearing pads	9.11.1	100 Nos.				20561.00	2056100.00	INR Twenty Lakh Fifty Six Thousand One Hundred Only
101	Drain boxes	9.11.2	35 Nos.				21341.00	746935.00	INR Seven Lakh Forty Six Thousand Nine Hundred & Thirty Five Only
102	Cement Variation (fixed rate item)	9.12	1500 MT	10428.25			10428.25	15642375.00	INR One Crore Fifty Six Lakh Forty Two Thousand Three Hundred & Seventy Five Only
103	Super Plasticizer	9.13	333200 kg				54.00	17992800.00	INR One Crore Seventy Nine Lakh Ninety Two Thousand Eight Hundred Only
104	Air entraining agent	9.14	20900 kg				186.00	3887400.00	INR Thirty Eight Lakh Eighty Seven Thousand Four Hundred Only
105	Providing and applying Epoxy mortar for repair works in existing tunnel	9.15	1000 kg				1220.00	1220000.00	INR Twelve Lakh Twenty Thousand Only
106	Providing and applying Cementitious mortar for repair works in existing tunnel	9.16	2000 kg				220.00	440000.00	INR Four Lakh Forty Thousand Only
107	Providing and applying of two-components epoxy binder (resin & hardner) conforming to ASTM C881 Type-IV, Class C as per technical specification	9.17	100 kg				1175.00	117500.00	INR One Lakh Seventeen Thousand Five Hundred Only
108	Designing, supplying and fixing rebars in already cast concrete including drilling and injection of epoxy as per Technical specification all complete	9.18							
109	25mm dia	9.18.1	825 Nos.				5305.00	4376625.00	INR Forty Three Lakh Seventy Six Thousand Six Hundred & Twenty Five Only
110	32mm dia	9.18.2	165 Nos.				5349.00	882585.00	INR Eight Lakh Eighty Two Thousand Five Hundred & Eighty Five Only
111	36mm dia	9.18.3	110 Nos.				5620.00	618200.00	INR Six Lakh Eighteen Thousand Two Hundred Only
112	Reinforcing Steel	11				B.11			



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113	Deformed Reinforcing steel Fe 500	11.1	2110	MT			89480.00	188802800.00	INR Eighteen Crore Eighty Eight Lakh Two Thousand Eight Hundred Only
114	Slope and River Bed Protection Works	17				B.17			
115	Supply and placing boulders of around 20 kg to 40 kg in weight and 150 mm to 300 mm in size in PP rope gabion for box barrage protection.	17.1	3000	Cum			3133.00	9399000.00	INR Ninety Three Lakh Ninety Nine Thousand Only
116	Supply of 9 mm 4-strand Polypropylene (PP) Rope Gabions (UV stabilized size 2m x 1m x 1m).	17.2	1500	Nos.			2449.00	3673500.00	INR Thirty Six Lakh Seventy Three Thousand Five Hundred Only
117	Supply and placing boulders of around 20 kg to 40 kg in weight and 150 mm to 300 mm in size in Boulder Wire Crates	17.3	3000	Cum			3133.00	9399000.00	INR Ninety Three Lakh Ninety Nine Thousand Only
118	Supply of mechanically woven double twisted hexagonal gabions of size 2m x 1m x 1m (Zn coated).	17.4	1500	Nos.			3360.00	5040000.00	INR Fifty Lakh Forty Thousand Only
Total in Figures								185800000.00	INR One Hundred Eighty Five Crore Eighty Lakh Only
Quoted Rate in Words		INR One Hundred Eighty Five Crore Eighty Lakh Only							

Ans



Tender Inviting Authority: General Manager (CC-II), Contracts Civil Division, NHPC Ltd, Corporate Office, Faridabad

Name of Work: Package-6, Modification of Diversion Tunnel Into Tunnel Spillway Arrangement - Civil & HM Works (Tunnel Spillway, Adit to GOC, GOC Gate Shaft, Inlet Bellmouth, Outlet Concrete Dyke and Energy Dissipation Arrangement) for Teesta-V Power Station, Sikkim.

Tender Reference No: NH/CCW/CC-II/CO-323/PR-11124/47

Tender ID: 2024_NHPC_812702_1

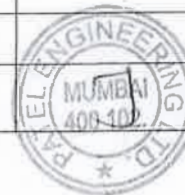
Name of the Bidder/ Bidding Firm / Company : Patel Engineering Limited

PRICE SCHEDULE

Schedule-2: Hydro Mechanical Works - Plant & Equipment Including Mandatory Spare Parts, Mandatory Tools and Tackles Supplied from Abroad.

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

NUMBER #	TEXT #	NUMBER #	TEXT #	TEXT	Unit Price (Including Taxes & Duties)				NUMBER	NUMBER
Sl. No.	Item Description	Quantity	Units	Country of Origin	FOB or FCA + Taxes & Duties		CIF or CIP + Custom Duty + Taxes & Duties		TOTAL (CIF or CIP) AMOUNT (Including Custom Duty + Taxes & Duties)	
1	2	3	4	5	6	7	8	9	10	11
					Foreign Currency 1	Foreign Currency 2	Foreign Currency 1	Foreign Currency 2	Foreign Currency 1	Foreign Currency 2
	NAME OF CURRENCY									
Statement -1	Hydro mechanical Works									
1	Tunnel Spillway Radial Gates & Hydraulic Hoists									
1.1	Tunnel Spillway Radial Gates complete in all respect including Stainless Steel skin plate (AISI 304), stiffeners, girders, arms, trunnions, guide rollers etc	2	Set	0.00					0.00	0.00
1.2	Sill beam for 1.1	2	Set	0.00					0.00	0.00
1.3	Embedded Parts including 1st stage and 2nd stage (wall plates, hoist supporting structure, trunnion brackets, Dogging etc.) for 1.1	2	Set	0.00					0.00	0.00
1.4	Hydraulic Cylinder complete in all respect incl. suitable arrangement for gate position indication etc.	4	Nos	0.00					0.00	0.00
1.5	Hydraulic Power pack complete in all respect including Piping, Electrical Control Panels etc.	2	Set	0.00					0.00	0.00
1.6	Mandatory Spare Parts (As per statement-1B)	1	Set	0.00					0.00	0.00
2	Spillway Stoplog & EOT Crane									
2.1	Spillway Stoplog (Slide type) (1 set comprising of 4 units)	1	Set	0.00					0.00	0.00
2.2	Sill beam for 2.1	2	Set	0.00					0.00	0.00
2.3	Embedded Parts including 1st stage and 2nd stage (air vent pipe, Dogging arrangement etc.) for 2.1	2	Set	0.00					0.00	0.00



2.4	Storage arrangement for storing stoplog units	2	Set	0.00					0.00	0.00
2.5	Lifting Beam with automatically engaging and disengaging hooks including probe mechanism etc.	1	Set	0.00					0.00	0.00
2.6	EOT Crane complete in all respect incl. rails and fixtures etc.	1	Set	0.00					0.00	0.00
2.7	Mandatory Spare Parts (As per statement 1B)	1	Set	0.00					0.00	0.00
3	Steel liner in Spillway Glacis, Piers/ Sides and Breast wall for Tunnel spillways									
3.1	Steel liners on Breast wall of the spillway openings	2	Set	0.00					0.00	0.00
3.2	Steel liners in stoplog gate grooves, about 1m height above top seal.	2	Set	0.00					0.00	0.00
3.3	Steel liners between spillway stoplog gate groove and up to the center line of trunnion beams (including glacis and side piers)	2	Set	0.00					0.00	0.00
3.4	Steel transition from 10.0m x 10.0m rectangular section to 10.00m dia. circular section.	2	Set	0.00					0.00	0.00
3.5	Tunnel spillway Steel liners having an internal diameter of 10.00 m circular section including bends as described in technical specification.	2	Set	0.00					0.00	0.00
4	Environmental flow pipe, Gates & Hydraulic Hoists									
4.1	Environmental flow Gates, slide type (service and emergency) complete in all respect including skin plate (IS 2062 E410), stiffeners, girders, sliding block assemblies, guide shoes etc.	2	Set	0.00					0.00	0.00
4.2	First stage embedded parts for 4.1 (service and emergency) including steel liners, bonnet and bonnet cover, Hoist supporting structure and Dogging arrangement and air vent pipe etc. as described in technical specification.	1	Set	0.00					0.00	0.00
4.3	Double acting Hydraulic Cylinder complete in all respect incl. suitable arrangement for gate position indication etc.	2	Nos	0.00					0.00	0.00
4.4	Hydraulic Power pack complete in all respect including Piping, Electrical Control Panels etc.	1	Set	0.00					0.00	0.00
4.5	Environmental flow pipe 1500 mm dia approx. 60m length including bend, transition pieces, supports etc.	1	Set	0.00					0.00	0.00
4.6	Mandatory Spare Parts (As per statement-1B)	1	Set	0.00					0.00	0.00
5	Instrumentation									
5.1	i) Water level measuring system to indicate balance head condition of spillway stop logs. ii) Feeder pillar for all HM equipments in the contract.	2	Set	0.00					0.00	0.00



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5.2	Mandatory Spare Parts (As per statement-B)	1	Set						0.00		0.00	0.00
Total in Figures											0.00	0.00

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Tender Inviting Authority: General Manager (CC-II), Contracts Civil Division, NHPC Ltd, Corporate Office, Faridabad

Name of Work: Package-6, Modification of Diversion Tunnel into Tunnel Spillway Arrangement - Civil & HM Works (Tunnel Spillway, Adit to GOC, GOC Gate Shaft, Inlet Bellmouth, Outlet Concrete Dyke and Energy Dissipation Arrangement) for Teesta-V Power Station, Sikkim.

Tender Reference No: NH/CCWCC-II/CO-323/PR-11124/47

Tender ID: 2024_NHPC_812702_1

Name of the Bidder/ Bidding Firm / Company : Patel Engineering Limited

PRICE SCHEDULE

Schedule-3: Hydro Mechanical Works - Plant & Equipment including Mandatory Spare Parts, Mandatory Tools and Tackles Supplied from within country. Items quoted in Price Schedule-2 shall not be quoted in Price Schedule-3.

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

NUMBER #	TEXT #	NUMBER #	TEXT #	Unit Price (including Taxes & Duties)			NUMBER	NUMBER	NUMBER
Sl. No.	Item Description	Quantity	Units	INR	Foreign Currency 1	Foreign Currency 2	Foreign Currency 1	Foreign Currency 2	TOTAL (Cif or CIP) AMOUNT (including Custom Duty + Taxes & Duties)
1	2	3	4	5	6	7	8	9	10
					Please enter currency name (if required)				
	NAME OF CURRENCY			INR			INR		
Statement -1	Hydro mechanical Works								
1	Tunnel Spillway Radial Gates & Hydraulic Hoists								
1.1	Tunnel Spillway Radial Gates complete in all respect including Stainless Steel skin plate (AISI 304), stiffeners, girders, arms, trunnions, guide rollers etc	2	Set	33003345.00			66006690.00	0.00	0.00
1.2	Sill beam for 1.1	2	Set	902001.00			1804002.00	0.00	0.00
1.3	Embedded Parts including 1st stage and 2nd stage (wall plates, hoist supporting structure, trunnion brackets, Dogging etc.) for 1.1	2	Set	11931408.00			23862816.00	0.00	0.00
1.4	Hydraulic Cylinder complete in all respect incl. suitable arrangement for gate position indication etc.	4	Nos	9968423.00			39873692.00	0.00	0.00
1.5	Hydraulic Power pack complete in all respect including Piping, Electrical Control Panels etc.	2	Set	5072989.00			10145978.00	0.00	0.00
1.6	Mandatory Spare Parts (As per statement-1B)	1	Set	752071.00			752071.00	0.00	0.00
2	Spillway Stoplog & EOT Crane								
2.1	Spillway Stoplog (Slide type) (1 set comprising of 4 units)	1	Set	23491282.00			23491282.00	0.00	0.00



2.2	Sill beam for 2.1	2	Set	2896204.00				5792408.00	0.00	0.00
2.3	Embedded Parts including 1st stage and 2nd stage (air vent pipe, Dogging arrangement etc.) for 2.1	2	Set	4805509.00				9611018.00	0.00	0.00
2.4	Storage arrangement for storing stoplog units	2	Set	233110.00				466220.00	0.00	0.00
2.5	Lifting Beam with automatically engaging and disengaging hooks including probe mechanism etc.	1	Set	1127501.00				1127501.00	0.00	0.00
2.6	EOT Crane complete in all respect incl. rails and fixtures etc.	1	Set	19213944.00				19213944.00	0.00	0.00
2.7	Mandatory Spare Parts (As per statement 1B)	1	Set	1018923.00				1018923.00	0.00	0.00
3	Steel liner in Spillway Glacis, Piers/ Sides and Breast wall for Tunnel spillways									
3.1	Steel liners on Breast wall of the spillway openings	2	Set	2136983.00				4273966.00	0.00	0.00
3.2	Steel liners in stoplog gate grooves, about 1m height above top seal	2	Set	642843.00				1285686.00	0.00	0.00
3.3	Steel liners between spillway stoplog gate groove and up to the center line of trunnion beams (including glacis and side piers)	2	Set	25174697.00				50349394.00	0.00	0.00
3.4	Steel transition from 10.0m x 10.0m rectangular section to 10.00m dia. circular section.	2	Set	17630106.00				35260212.00	0.00	0.00
3.5	Tunnel spillway Steel liners having an internal diameter of 10.00 m circular section including bends as described in technical specification.	2	Set	50753335.00				101506670.00	0.00	0.00
4	Environmental flow pipe, Gates & Hydraulic Hoists									
4.1	Environmental flow Gates, slide type (service and emergency) complete in all respect including skin plate (IS 2062 E410), stiffeners, girders, sliding block assemblies, guide shoes etc.	2	Set	557205.00				1114410.00	0.00	0.00
4.2	First stage embedded parts for 4.1 (service and emergency) including steel liners, bonnet and bonnet cover, Hoist supporting structure and Dogging arrangement and air vent pipe etc. as described in technical specification.	1	Set	10084327.00				10084327.00	0.00	0.00
4.3	Double acting Hydraulic Cylinder complete in all respect incl. suitable arrangement for gate position indication etc.	2	Nos	2587225.00				5174450.00	0.00	0.00
4.4	Hydraulic Power pack complete in all respect including Piping, Electrical Control Panels etc.	1	Set	3985920.00				3985920.00	0.00	0.00
4.5	Environmental flow pipe 1500 mm dia approx. 60m length including bend, transition pieces, supports etc.	1	Set	6293958.00				6293958.00	0.00	0.00



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4.6	Mandatory Spare Parts (As per statement-B)	1	Set	583971.00			583971.00	0.00	0.00
5	Instrumentation								
5.1	i) Water level measuring system to indicate balance head condition of spillway stop logs. ii) Feeder pillar for all HM equipments in the contract.	2	Set	985186.00			1970372.00	0.00	0.00
5.2	Mandatory Spare Parts (As per statement-B)	1	Set	581865.00			581865.00	0.00	0.00
Total In Figures							425631746.00	0.00	0.00

Dr. S. S. S.



Tender Inviting Authority: General Manager (CC-II), Contracts Civil Division, NHPC Ltd, Corporate Office, Faridabad

Name of Work: Package-6, Modification of Diversion Tunnel into Tunnel Spillway Arrangement - Civil & HM Works (Tunnel Spillway, Adit to GOC, GOC Gate Shaft, Inlet Bellmouth, Outlet Concreta Dyke and Energy Dissipation Arrangement) for Teesta-V Power Station, Sikkim.

Tender Reference No: NHCCW/C-ICO-323/PR-11124/47

Tender ID: 2024_NHPC_812702_1

Name of the Bidder/ Bidding Firm / Company : Patel Engineering Limited

PRICE SCHEDULE

Schedule-4: Hydro Mechanical Works - Local Transportation including port clearances, port charges and inland insurances.

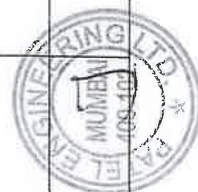
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NUMBER #	TEXT #	ITEM DESCRIPTION	NUMBER #	TEXT #	UNIT PRICE (INCLUDING TAXES & DUTIES)	NUMBER	NUMBER	NUMBER	NUMBER
Sl. No.			Quantity	Units	INR	Foreign Currency 1	Foreign Currency 2	TOTAL (CIF or CIP) AMOUNT (including Custom Duty + Taxes & Duties)	
1	2		3	4	5	6	7	8	9
									10
						Please enter currency name (if required)			
		NAME OF CURRENCY			INR			INR	Foreign Currency 1
Statement -1		Hydro mechanical Works							Foreign Currency 2
1		Tunnel Spillway Radial Gates & Hydraulic Hoists							
1.1		Tunnel Spillway Radial Gates complete in all respect including Stainless Steel skin plate (AISI 304), stiffeners, girders, arms, trunnions, guide rollers etc	2	Set	1207440.00			2414880.00	0.00
1.2		Sill beam for 1.1	2	Set	33001.00			66002.00	0.00
1.3		Embedded Parts including 1st stage and 2nd stage (wall plates, hoist supporting structure, trunnion brackets, Dogging etc.) for 1.1	2	Set	436515.00			873030.00	0.00
1.4		Hydraulic Cylinder complete in all respect incl. suitable arrangement for gate position indication etc.	4	Nos	364699.00			1458796.00	0.00
1.5		Hydraulic Power pack complete in all respect including Piping, Electrical Control Panels etc.	2	Set	185598.00			371196.00	0.00
1.6		Mandatory Spare Parts (As per statement-IB)	1	Set	27515.00			27515.00	0.00
2		Spillway Stoplog & EOT Crane							
2.1		Spillway Stoplog (Slide type) (1 set comprising of 4 units)	1	Set	859438.00			859438.00	0.00



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2.2	Sill beam for 2.1	2	Set	105959.00				211918.00	0.00	0.00
2.3	Embedded Parts including 1st stage and 2nd stage (air vent pipe, Dogging arrangement etc.) for 2.1	2	Set	175812.00				351624.00	0.00	0.00
2.4	Storage arrangement for storing stoplog units	2	Set	8529.00				17058.00	0.00	0.00
2.5	Lifting Beam with automatically engaging and disengaging hooks including probe mechanism etc.	1	Set	41251.00				41251.00	0.00	0.00
2.6	EOT Crane complete in all respect incl. rails and fixtures etc.	1	Set	702950.00				702950.00	0.00	0.00
2.7	Mandatory Spare Parts (As per statement 1B)	1	Set	37278.00				37278.00	0.00	0.00
3	Steel liner in Spillway Glacis, Piers/ Sides and Breast wall for Tunnel spillways									
3.1	Steel liners on Breast wall of the spillway openings	2	Set	106850.00				213700.00	0.00	0.00
3.2	Steel liners in stoplog gate grooves, about 1m height above top seal.	2	Set	28574.00				57148.00	0.00	0.00
3.3	Steel liners between spillway stoplog gate groove and up to the center line of trunnion beams (including glacis and side piers)	2	Set	1199863.00				2399726.00	0.00	0.00
3.4	Steel transition from 10.0m x 10.0m rectangular section to 10.00m dia. circular section.	2	Set	881506.00				1763012.00	0.00	0.00
3.5	Tunnel spillway Steel liners having an internal diameter of 10.00 m circular section including bends as described in technical specification.	2	Set	2537667.00				5075334.00	0.00	0.00
4	Environmental flow pipe, Gates & Hydraulic Hoists									
4.1	Environmental flow Gates, slide type (service and emergency) complete in all respect including skin plate (IS 2082 E410), stiffeners, girders, sliding block assemblies, guide shoes etc.	2	Set	20386.00				40772.00	0.00	0.00
4.2	First stage embedded parts for 4.1 (service and emergency) including steel liners, bonnet and bonnet cover, Hoist supporting structure and Dogging arrangement and air vent pipe etc. as described in technical specification.	1	Set	368939.00				368939.00	0.00	0.00
4.3	Double acting Hydraulic Cylinder complete in all respect incl. suitable arrangement for gate position indication etc.	2	Nos	94655.00				189310.00	0.00	0.00
4.4	Hydraulic Power pack complete in all respect including Piping, Electrical Control Panels etc.	1	Set	145827.00				145827.00	0.00	0.00
4.5	Environmental flow pipe 1500 mm dia approx. 60m length including bend, transition pieces, supports etc.	1	Set	230267.00				230267.00	0.00	0.00



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4.6	Mandatory Spare Parts (As per statement-B)	1	Set	21365.00				21365.00	0.00	0.00
5	Instrumentation									
5.1	i) Water level measuring system to indicate balance head condition of spillway stop logs. ii) Feeder pillar for all HM equipments in the contract.	2	Set	25185.00				50370.00	0.00	0.00
5.2	Mandatory Spare Parts (As per statement-B)	1	Set	22758.00				22758.00	0.00	0.00
Total In Figures								18011464.00	0.00	0.00



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Tender Inviting Authority: General Manager (CC-II), Contracts Civil Division, NHPC Ltd, Corporate Office, Faridabad

Name of Work: Package-6, Modification of Diversion Tunnel Into Tunnel Spillway Arrangement - Civil & HM Works (Tunnel Spillway, Adit to GOC, GOC Gate Shaft, Inlet Bellmouth, Outlet Concrete Dyke and Energy Dissipation Arrangement) for Teesta-V Power Station, Sikkim.

Tender Reference No: NHCCW/CC-II/CO-323/PR-1112447

Tender ID: 2024_NHPC_812702_1

Name of the Bidder/ Bidding Firm / Company :

Patel Engineering Limited

PRICE SCHEDULE

Schedule-5: Hydro Mechanical Works - Installation, Testing & Commissioning.

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

NUMBER #	TEXT #	Item Description	Quantity	Units	INR	Unit Price (including Taxes & Duties)			NUMBER	NUMBER	NUMBER
Sl. No.						Foreign Currency 1	Foreign Currency 2		TOTAL (CIF or CIP) AMOUNT (Including Custom Duty + Taxes & Duties)		
1	2		3	4	5	6	7	8	9	10	
						Please enter currency name (if required)					
		NAME OF CURRENCY			INR			INR	Foreign Currency 1	Foreign Currency 2	
Statement - 1		Hydro mechanical Works									
1		Tunnel Spillway Radial Gates & Hydraulic Hoists									
1.1		Tunnel Spillway Radial Gates complete in all respect including Stainless Steel skin plate (AISI 304), stiffeners, gliders, arms, trunnions, guide rollers etc	2	Set	7127566.00			14255132.00	0.00		0.00
1.2		Sill beam for 1.1	2	Set	165001.00			330002.00	0.00		0.00
1.3		Embedded Parts including 1st stage and 2nd stage (wall plates, hoist supporting structure, trunnion brackets, Dogging etc.) for 1.1	2	Set	2182575.00			4365150.00	0.00		0.00
1.4		Hydraulic Cylinder complete in all respect incl. suitable arrangement for gate position indication etc.	4	Nos	1823492.00			7293968.00	0.00		0.00
1.5		Hydraulic Power pack complete in all respect including Piping, Electrical Control Panels etc.	2	Set	927986.00			1855972.00	0.00		0.00
1.6		Mandatory Spare Parts (As per statement-1B)	1	Set				0.00	0.00		0.00
2		Spillway Stoplog & EOT Crane									
2.1		Spillway Stoplog (Slide type) (1 set comprising of 4 units)	1	Set	4297186.00			4297186.00	0.00		0.00



2.2	Sill beam for 2.1	2	Set	529794.00				1059588.00	0.00	0.00
2.3	Embedded Parts including 1st stage and 2nd stage (air vent pipe, Dogging arrangement etc.) for 2.1	2	Set	879057.00				1758114.00	0.00	0.00
2.4	Storage arrangement for storing stoplog units	2	Set	42642.00				85284.00	0.00	0.00
2.5	Lifting Beam with automatically engaging and disengaging hooks including probe mechanism etc.	1	Set	206251.00				206251.00	0.00	0.00
2.6	EOT Crane complete in all respect incl. rails and fixtures etc.	1	Set	3514746.00				3514746.00	0.00	0.00
2.7	Mandatory Spare Parts (As per statement 1B)	1	Set					0.00	0.00	0.00
3	Steel liner in Spillway Glacis, Piers/ Sides and Breast wall for Tunnel spillways									
3.1	Steel liners on Breast wall of the spillway openings	2	Set	634124.00				1268248.00	0.00	0.00
3.2	Steel liners in stoplog gate grooves, about 1m height above top seal	2	Set	120157.00				240314.00	0.00	0.00
3.3	Steel liners between spillway stoplog gate groove and up to the center line of trunion beams (including glacis and side piers)	2	Set	6024177.00				12048354.00	0.00	0.00
3.4	Steel transition from 10.0m x 10.0m rectangular section to 10.00m dia. circular section.	2	Set	5231522.00				10463044.00	0.00	0.00
3.5	Tunnel spillway Steel liners having an internal diameter of 10.00 m circular section including bends as described in technical specification.	2	Set	15060442.00				30120884.00	0.00	0.00
4	Environmental flow pipe, Gates & Hydraulic Hoists									
4.1	Environmental flow Gates, slide type (service and emergency) complete in all respect including skin plate (IS 2062 E410), stiffeners, girders, sliding block assemblies, guide shoes etc.	2	Set	101928.00				203856.00	0.00	0.00
4.2	First stage embedded parts for 4.1 (service and emergency) including steel liners, bonnet and bonnet cover, Hoist supporting structure and Dogging arrangement and air vent pipe etc. as described in technical specification.	1	Set	1844694.00				1844694.00	0.00	0.00
4.3	Double acting Hydraulic Cylinder complete in all respect incl. suitable arrangement for gate position indication etc.	2	Nos	473273.00				946546.00	0.00	0.00
4.4	Hydraulic Power pack complete in all respect including Piping, Electrical Control Panels etc.	1	Set	729132.00				729132.00	0.00	0.00
4.5	Environmental flow pipe 1500 mm dia approx. 60m length including bend, transition pieces, supports etc.	1	Set	1151334.00				1151334.00	0.00	0.00



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4.6	Mandatory Spare Parts (As per statement-IB)	1	Set				0.00	0.00	0.00
5	Instrumentation								
5.1	i) Water level measuring system to indicate balance head condition of spillway stop logs. ii) Feeder pillar for all HM equipments in the contract.	2	Set	41528.00			83056.00	0.00	0.00
5.2	Mandatory Spare Parts (As per statement-IB)	1	Set				0.00	0.00	0.00
Total In Figures							98120855.00	0.00	0.00

Patel

