

DK/UD/COR-OF/023

Dated: 13.08.2026

LETTER OF ACCEPTANCE

M/s Aquarian Enterprises
515, DDA-1 Building
District Centre Janak Puri
New Delhi-110058
Ph. 9810080169, 9818352226
Email: dalipksachdeva@gmail.com
(hereinafter termed as Contractor)

(Kind Attention- Mr. Dalip Kumar Sachdeva)

Sub: - Bid No. DK/UD/COR-OF/023: Shifting/Modification work of 220kV and 132 kV transmission line of HVPNL infringing Delhi-Panipat-Karnal Namo Bharat Corridor (Ch103000-Ch133750).

Ref: -

- i. Bid Reference No. DK/UD/COR-OF/023 dated 17.02.2026.
 - ii. Addendum & Corrigendum No. 01 alongwith reply to pre-bi queries uploaded on 09.03.2026
 - iii. Addendum & Corrigendum No. 02 uploaded on 19.03.2026
 - iv. Technical Bid opened on 02.04.2026.
 - v. Post Bid queries uploaded on CPP Portal on 05.05.2026.
 - vi. Replies to Post Bid Queries downloaded from CPP Portal on 15.05.2026.
 - vii. Financial Bid Opened on 05.08.2026.
 - viii. NCRTC letter no DK/UD/COR-OF/023 dated 07.08.2026 inviting the contractor for Negotiation on 11.08.2026.
 - ix. Your letter no. AE/NCRTC/L/26-08/415 dated 12.08.2026
1. This is to notify you that your Bid dated 01.04.2026 for execution of the **Bid No. DK/UD/COR-OF/023: Shifting/Modification work of 220kV and 132 kV transmission line of HVPNL infringing Delhi-Panipat-Karnal Namo Bharat Corridor (Ch103000-Ch133750)** is hereby accepted by National Capital Region Transport Corporation Limited (hereinafter termed as "Employer") for the Amount in the equivalent of **INR 38,44,89,191.24/- (Rupees Thirty Eight Crores Forty Four Lakhs Eighty Nine Thousand One Hundred Ninety One and Twenty Four Paise only)** inclusive of all the applicable taxes and duties (except Goods and Service Tax (GST)), other taxes, royalties, cess, overhead, profit and other levies payable by the contractor under the contract or for any other cause etc. The work shall be carried out as per Part II (Requirements) Bidding document and payment shall be made in accordance with Bill of Quantities included in the Price Bid.

Bid No DK/UD/COR-OF/023



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2. In terms of clause ITB 44.1 of BDS of the bidding documents, within 28 days of issue of this Letter of Acceptance to the Contractor, the Contractor shall furnish to the Employer a Performance Security in any of the form stipulated in clause 4.2.1 of PCC Section-8B of bidding documents for an amount of **INR 1,92,24,460/- (Rupees One Crore Ninety Two Lakhs Twenty Four Thousand Four Hundred Sixty only)** (i.e. 5 % (Five percent). In case of Performance security submitted in the form of Performance Bank Guarantee Contractor shall use the Performance Security Form included in Section 9 (Contract Forms) of the Bidding Document.
3. The provision of Retention Money as stipulated in clause 11.4.1 (e) of PCC (Appendix to Bid Part-8A) and Clause 11.4 (e) of PCC (Part 8B) of bidding documents shall be applicable.
4. It is to inform that **Shri Balwant Kumar, CPM/Panipat**, National Capital Region Transport Corporation Limited, Ground Floor, Tower-C, Jangpura stabling yard Complex, Jangpura, Delhi 110014 has been nominated as the "Engineer" for the subject Contract. The Contractor is advised to interact with the above official for further instructions as regards the execution of works.
5. The Commencement Date shall be **20.08.2026**.
6. This Letter of Acceptance is being issued in two original and identical sets, in favour of the Contractor. Any one set may be retained by the Contractor and the other set is required to be returned by the Contractor, duly signed and stamped stating "**Unconditionally Accepted**" on each page by the authorized signatory of the Contractor, as a token of unconditional acceptance of the same so as to reach the undersigned within seven days of issue of this letter.
7. This LOA shall be a Binding Document until execution of formal contract agreement.

All other terms & conditions as stipulated in the bidding document shall be applicable.

Please acknowledge receipt of the letter.

Yours faithfully,

For & on behalf of
National Capital Region Transport Corporation Limited


(ABHINAV KUMAR SINGH)
Sr. Deputy General Manager/Procurement

Attachment: - BOQ (Annexure I containing 11 pages)

**NATIONAL CAPITAL REGION TRANSPORT
CORPORATION LTD.**



BID No. DK/UD/COR-OF/023: Shifting/Modification work of 220kV and 132 kV transmission line of HVPNL infringing Delhi-Panipat-Karnal Namo Bharat Corridor(Ch103000-Ch133750).

Bill of Quantity (BOQ)

**NATIONAL CAPITAL REGION TRANSPORT CORPORATION LTD
Gatishakti Bhawan
INA, New Delhi –110 023**



Preamble

BID No. DK/UD/COR-OF/023: Shifting/Modification work of 220kV and 132 kV transmission line of HVPNL infringing proposed Delhi-Panipat-Karnal Namo Bharat Corridor(Ch103000-Ch133750).

S.No.	Description
1	The Price bid shall be read in conjunction with the Bidding Documents.
2	The bidder is required to quote a flat percentage "Excess" (+) / "Less" (-) / "At par" with respect to the Total amount of the Schedule in the "BoQ1" Sheet.
3	The quantities for various items provided in the Price Bid are estimated quantities and are given to provide a common basis for Bidding. During the execution of works, the same may vary based upon "Good for Construction" (GFC) drawings approved by the Engineer and as per the site conditions. The basis of the payment will be the actual quantities of the work executed and accepted by the Engineer or quantities as per the GFC drawings whichever is less and shall be paid /valued as per the accepted rates.
4	The quoted rates for various items are for completed and finished items of work complete in all respects. It will be deemed to include all the cost involved in the execution of the items and shall include all duties, taxes [except Goods and Service Tax (GST)] royalties, cess, overheads, profit and other levies payable by the Bidder under the Contract, or for any other cause etc. The Bidder shall be required to consider this aspect while quoting rates. It shall include all general risks, liabilities and obligations set out or implied in the Contract shall and including remedy of any defects during the Defect Liability Period, unless otherwise provided in the Contract. The whole cost of complying with the provisions of the Contract shall be deemed to have been included in the quoted rates. GST as prevalent will be paid extra.
5	Bidder may please note that to perform this contract. nothing extra shall be payable on account of field constraints, non-availability of uninterrupted front, cost of project management, monitoring, coordination and supervision, cost of adhering to quality requirements (QA/QC), cost of adhering to SHE requirements, cost of preparing drawings and documents, as-built records and documentation, preparation of detailed scheme for taking necessary clearance and approval from the concerned authority and other local bodies etc.
6	Income Tax and any other statutory taxes to be deducted at source will be deducted by the Employer from the due payments of the contractor in accordance with the prevailing rules in force.
7	Bidder should not tamper the Price Bid. If the Price Bid is found to be modified by the bidder, then the same will be treated as incomplete and non-responsive and may result in the rejection of the Bid.

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8	Method of Quoting the Price in the Price Bid The Price Bid is in Excel Format and the Quoting the Price in the Price Bid should be as Follows: (i) Whole Excel Worksheet is Locked except the Cells which are highlighted in Blue and white (for Lump Sum Parts in BOQ1). (ii) Bidders are required to fill these cells which are highlighted in Blue and white (for total Parts in BOQ1) only. (iii) Deleted (iv) The bidder is required to quote a flat percentage "Excess" (+) / "Less" (-) / "At par" with respect to the Total amount of the Schedule in the "BoQ1" Sheet. (v) All 'blanks' in the Pricing Document, where the Bidder is permitted to quote shall be filled in. (vi) If some % is quoted inspite of marking 'At par' that % will not be considered and it will be taken as "At par" on basic amount. Failure to quote the % in case of excess or less for the "Total amount of Parts shall be treated as "At Par" and shall be evaluated accordingly. (vii) Bidder is required to quote Rates in INR only.
9	Errors will be corrected by the Employer for any arithmetic errors in computation or summation as per contract conditions.
10	For payment of the items to be executed under Part E [Any other Civil DSR 2023 for Calculation of rates (excluding GST) of DSR 2023 items, following Methodology issued by CPWD vide Office Memorandum (OM) dated 08.08.2024 have been adopted: As per CPWD OM the rates of individual items of DSR 2023 has been multiply with correction factor on account of GST @ 0.973 to the existing rate of DSR 2023 item in order to achieve modified DSR rate and then reduced the corrected rate by 18% for making DSR item excluding GST] DSR Items-DSR (E&M)-2025 The rates of the DSR shall be taken excluding of GST.



Item Rate BoQ

Tender Inviting Authority: ED/Procurement

Name of Work: BID No. DK/UD/COR-OF/023: Shifting/Modification work of 220kV and 132 kV transmission line of HVPNL infringing Delhi-Panipat-Karnal Namo Bharat Corridor(Ch103000-Ch133750).

Contract No: DK/UD/COR-OF/023

Name of the Bidder/ Bidding Firm / Company :		M/s. Aquarian Enterprises				
PRICE SCHEDULE (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)						
Sl. No.	Item Description	Estimated Rate (Exclusive GST)	Excess(+)/ Less(-)/ At Par	Percentage Quoted by Bidder	TOTAL AMOUNT (INR)	TOTAL AMOUNT In Words
1	2	3	4	5	6	7
1	Total Amount of PART A + PART B + PART C + PART D+ PART E, Exclusive GST.	₹ 34,58,25,860.08	Excess(+)	11.18%	384489191.24	INR Thirty Eight Crore Forty Four Lakh Eighty Nine Thousand One Hundred Ninety One & Paise Twenty Four Only
Total in Figures					384489191.24	INR Thirty Eight Crore Forty Four Lakh Eighty Nine Thousand One Hundred Ninety One & Paise Twenty Four Only
Quoted Rate in Words		INR Thirty Eight Crore Forty Four Lakh Eighty Nine Thousand One Hundred Ninety One & Paise Twenty Four Only				

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Letter of Price Bid

Bid No.:

DK/UD/COR-OF/023

To
National Capital Region Transport Corporation Limited
GatiShakti Bhawan, INA, New Delhi- 110023

We, the undersigned, declare that:

(a)	We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (ITB) 8.	
(b)	We offer to execute in conformity with the Bidding Documents and the Technical Bid submitted for the following Works: BID No. DK/UD/COR-OF/023: Shifting/Modification work of 220kV and 132 kV transmission line of HVPNL infringing Delhi-Panipat-Karnal Namo Bharat Corridor(Ch103000-Ch133750)..	
(c)	The total price of our Bid,below is:	
	[amount in INR in figures]	384489191.24
(d)	If our Bid is accepted, we commit to obtain a performance security in accordance with the Bidding Documents.	
(e)	We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed.	
(f)	We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.	
Name of the authorized representative of the bidder		
Designation of the authorized representative		
Name of the Bidder/ Bidding Firm / Company :		
M/s. Aquarian Enterprises		
Date: (DD/MM/YYYY)		

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BID No. DK/UD/COR-OF/023: Shifting/Modification work of 220kV and 132 kV transmission line of HVPNL infringing Delhi-Panipat-Karnal Namo Bharat Corridor(Ch103000-Ch 133750).

SCHEDULE:OVERHEAD LINE WORKS

S. No	Item Description	Unit	Qty	Rate(in INR)	Total Amount (In INR)
Part -A : Design					
1	Design of SC/ double circuit Monopole for 220/132 KV EHT line including approval of reputed Govt Institutions like CPRI/IIT etc	Job	6	₹ 1,18,513.83	₹ 7,11,082.98
2	Design of foundation for Monopole of 220/132 KV EHT lines considering all possible mechanical loading under extreme condition including approval of reputed Govt Institutions like CPRI/IIT etc	Job	6	₹ 1,29,522.50	₹ 7,77,135.00
Total of Part A - Design					₹ 14,88,217.98
Part B: Supply					
3	Supply at site of Double Circuit/Single circuit utility Monopole suitable for 220 KV/132V lines(price offered are all structure components of the pole,Anchor bolt Anchor,Anchor Plate template for following:-				
A	132 KV SC PD (Monopole) (30-60 D) BXA @20M RL-2	No.	1	₹ 60,19,975.00	₹ 60,19,975.00
B	132 KV S/C PD (Monopole) (30-60D) BXA @42M RL-2	No.	2	₹ 1,44,66,611.00	₹ 2,89,33,222.00
C	132 KV D/C PD (Monopole) (30-60D) BXA @42M RL-2	No.	2	₹ 1,80,83,264.00	₹ 3,61,66,528.00
D	132 KV D/C PD (Monopole) (30-60 D) BXA 25 M RL-2	No.	1	₹ 1,03,62,549.00	₹ 1,03,62,549.00
E	132 KV D/C PD (Monopole) (30-60 D) BXA @23 M RL-1	No.	2	₹ 90,30,049.00	₹ 1,80,60,098.00
F	220 KV D/C PD (Monopole) (30-60 D) BXA -32 M RL-2	No.	2	₹ 1,03,62,549.00	₹ 2,07,25,098.00
G	220 KV D/C PD (Monopole) (30-60 D) BXA -20 M RL-2	No.	1	₹ 90,30,049.00	₹ 90,30,049.00
H	Supply of 220/132 kV D/C Galvanized Steel Monopole Structures along with all associated accessories such as cross-arms, Anchor Bolts, Anchor Plate,Template, Nuts & Bolts, ladder etc. as per approved design.	MT	80	₹ 1,36,676.31	₹ 1,09,34,104.80
4	Fabrication and supply of tower part with stubs,bolts,U-bolts,Hangers,D-shackle etc. of various of towers of 132KV/220kV as per HVPNL specifications with suitable/required extension at site	MT	463	₹ 1,16,648.55	₹ 5,40,08,278.65
5	Supply of 220/132 kV insulator (Polymer Long Rod Insulator)				₹ 0.00
a	90 KN Tension 220KV	Nos	6	₹ 7,953.68	₹ 47,722.08
b	160 KN Tension 220KV	Nos	84	₹ 9,942.11	₹ 8,35,137.24
c	120KN Tension 132KV	Nos	240	₹ 3,701.23	₹ 8,88,295.20
d	70KN Tension 132KV	Nos	3	₹ 4,317.46	₹ 12,952.38
6	Supply of 220 KV Single Tension String hardware fitting suitable for ACSR Moose conductor compression type complete in all respect as per HVPNL specifications.	set	60	₹ 2,825.81	₹ 1,69,548.60
7	Supply of 220 KV Double Tension String hardware fitting suitable for ACSR Moose conductor compression type complete in all respect as per HVPNL specifications	set	32	₹ 7,067.06	₹ 2,26,145.92
8	Supply of Vibration Dampers for ACSR Moose Conductor along with all accessories as per HVPNL specification	No	96	₹ 1,012.04	₹ 97,155.84
9	Supply of 220 KV Single Tension String hardware fitting suitable for ACSR Zebra conductor compression type complete in all respect as per HVPNL specifications.	set	1	₹ 1,702.71	₹ 1,702.71
10	Supply of 220 KV Double Tension String hardware fitting suitable for ACSR Zebra conductor compression type complete in all respect as per HVPNL specifications	set	1	₹ 3,334.07	₹ 3,334.07

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11	Supply of Vibration Dampers for ACSR Zebra Conductor along with all accessories as per HVPNL specification	No	1	₹ 588.42	₹ 588.42
12	Supply of 132 KV Single Tension String hardware fitting suitable for ACSR Zebra conductor compression type complete in all respect as per HVPNL specifications.	set	116	₹ 3,027.75	₹ 3,51,219.00
13	Supply of 132 KV Double Tension String hardware fitting suitable for ACSR Zebra conductor compression type complete in all respect as per HVPNL specifications.	set	40	₹ 5,928.64	₹ 2,37,145.60
14	Supply of 132 KV single suspension pilot String for ACSR Zebra conductor compression type complete in all respect as per HVPNL specifications.	set	3	₹ 1,549.61	₹ 4,648.83
15	Supply of ACSR Moose conductor as per HVPNL specification	Km	8	₹ 4,31,123.15	₹ 34,48,985.20
16	Supply of ACSR Zebra conductor as per HVPNL specification	Km	20	₹ 3,65,015.85	₹ 73,00,317.00
17	Supply of OPGW wire (48) complete in all respect. as per HVPNL specification	Mtrs	48700	₹ 154.03	₹ 75,01,261.00
18	Supply of OPGW wire (24) complete in all respect. as per HVPNL specification	Mtrs	6000	₹ 99.43	₹ 5,96,580.00
19	Supply of OPGW tension assembly complete in all respect as per HVPNL specification	Nos	42	₹ 3,737.92	₹ 1,56,992.64
20	Supply of Vibration Dampers for OPGW along with all accessories as per HVPNL specification	Nos	42	₹ 700.12	₹ 29,405.04
21	Supply of Copper Bond Flexible for OPGW along with all accessories as per HVPNL specification	Nos	8	₹ 522.94	₹ 4,183.52
22	Supply of Mid Span compression joint for ACSR Moose Conductor along with all accessories as per HVPNL specification	Nos	3	₹ 1,109.09	₹ 3,327.27
23	Supply of Repair Sleeves for ACSR Moose Conductor along with all accessories as per HVPNL specification	Nos	3	₹ 497.42	₹ 1,492.26
24	Supply of Mid Span compression joint for ACSR Zebra Conductor along with all accessories as per HVPNL specification	Nos	3	₹ 519.81	₹ 1,559.43
25	Supply of Repair Sleeves for ACSR Zebra Conductor along with all accessories as per HVPNL specification	Nos	3	₹ 4,973.42	₹ 14,920.26
26	Supply of OPGW Down lead clamp assembly complete in all respect as per HVPNL specification	Nos	8	₹ 253.37	₹ 2,026.96
27	Supply of Joint Box for OPGW complete in all respect as per HVPNL specification	Nos	16	₹ 3,688.97	₹ 59,023.52
28	Supply of Number Plate as per HVPNL specifications	No	32	₹ 208.16	₹ 6,661.12
29	Supply of Danger Plate as per HVPNL specifications	No	32	₹ 208.16	₹ 6,661.12
30	Supply of Ckt Plate (Set of two) as per HVPNL specifications	Set	32	₹ 208.16	₹ 6,661.12
31	Supply of Phase Plate (Set of Three) as per HVPNL specifications	Set	32	₹ 208.16	₹ 6,661.12
32	Supply of pipe Earthing material (pipe, Flat & GI strip) complete in all respect as per HVPNL specification	Set	32	₹ 3,578.71	₹ 1,14,318.72
33	Supply of TMT reinforcement steel of FE -500 Grade from approved list supplier, straightening, cutting, bending, tying lap/but welding placing including binding with Gi binding wire 18 SWG ,in all structure heights and depth,complete as per drawing ,specification and direction of Engineer-in Charge.The scope of work will also include application of one coat of cement slurry inhibitor solution as per manufactures instruction or approval by the Engineer -in Incharge.	MT	600	₹ 48,576.88	₹ 2,91,46,128.00
34	Supply,of Warning Tape as per HVPNL specifications	Mtrs	250	₹ 28.29	₹ 7,072.50
35	Supply of Anti Climbing Device for lattice tower as per HVPNL specifications	Set	21	₹ 10,313.03	₹ 2,16,573.63
Total of Part B:-Supply					₹ 24,57,46,509.77
PART C: Erection,Testing & commissioning					
36	Detail Survey including prepration of profiles and drawings for transmission line	KM	8	₹ 86,186.57	₹ 6,89,492.56

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37	Assembling of Monopole Sections and Erection of following Monopole Structure complete in all respects including fixing of cross-arms, ladder, step bolts, guard rail and all other monopole accessories as well as complete tighteni of all nuts & bolts. This shall also include the cost of hiring of cranes, hydra and any other machinery to be used in erection process along with making necessary preparations like levelling, site compacting of soil etc. for placing of cranes and other required oter machineries. Further, included is the cost of tack welding ofof check nuts after completion of Monopole erection work and removing of surplus mulb, 9 scrap, muck etc. upto 50m lead and 1.5m lift as per directions of Engineer-In-Charge.				
a	220/132 kV D/C Tension Type Monopole Structure of height upto 45Mtrs. (top/peak to bottom)	Nos	5	₹ 6,01,354.47	₹ 30,06,772.35
b	220/132 kV D/C Tension Type Monopole Structure of height 45Mtrs. To 60Mtrs (top/peak to bottom)	Nos	2	₹ 7,40,128.58	₹ 14,80,257.16
c	220/132 kV D/C Tension Type Monopole Structure of height more than 60Mtrs. (top/peak to bottom)	Nos	4	₹ 8,32,644.66	₹ 33,30,578.64
d	Erection of Tower structure complete with foundation nuts & bolts, studs, step bolts, hangers, D-shackle etc. punching, Tag welding etc. complete in all respect as per HVPNL specification	MT	463.00	₹ 9,481.24	₹ 43,89,814.12
38	De-watering of pits				
	i) By Manual	Hr.	700	₹ 70.88	₹ 49,616.00
	ii) By mechanical Pump minimum 5 H.P. Motor	Hr.	9200	₹ 229.84	₹ 21,14,528.00
39	Stringing/ Erection ,Testing and commissioning of following ACSR Conductor, hoising of insulators, hardware fittings, vibration damper and Jumpering etc.				
a	ACSR Zebra Conductors	KM	20	₹ 13,532.68	₹ 2,70,653.60
b	ACSR Moose Conductors	KM	8	₹ 17,573.63	₹ 1,40,589.04
c	90 KN Tension 220KV	Nos	6	₹ 28.99	₹ 173.94
d	160 KN Tension 220KV	Nos	84	₹ 28.99	₹ 2,435.16
e	120KN Tension 132KV	Nos	240	₹ 51.54	₹ 12,369.60
f	70KN Tension 132KV	Nos	3	₹ 51.54	₹ 154.62
g	220 KV Single Tension String hardware fitting suitable for ACSR Moose conductor compression type complete in all respect as per HVPNL specifications.	set	60	₹ 13.14	₹ 788.40
h	220 KV Double Tension String hardware fitting suitable for ACSR Moose conductor compression type complete in all respect as per HVPNL specifications	set	32	₹ 13.14	₹ 420.48
i	Vibration Dampers for ACSR Moose Conductor along with all accessories as per HVPNL specification	Nos	96	₹ 13.14	₹ 1,261.44

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40	220 KV Single Tension String hardware fitting suitable for ACSR Zebra conductor compression type complete in all respect as per HVPNL specifications.	set	1	₹ 28.99	₹ 28.99
41	220 KV Double Tension String hardware fitting suitable for ACSR Zebra conductor compression type complete in all respect as per HVPNL specifications	set	1	₹ 28.99	₹ 28.99
42	Vibration Dampers for ACSR Zebra Conductor along with all accessories as per HVPNL specification	No	1	₹ 28.29	₹ 28.29
43	132 KV Single Tension String hardware fitting suitable for ACSR Zebra conductor compression type complete in all respect as per HVPNL specifications.	set	116	₹ 51.54	₹ 5,978.64
44	132 KV Double Tension String hardware fitting suitable for ACSR Zebra conductor compression type complete in all respect as per HVPNL specifications.	set	40	₹ 51.54	₹ 2,061.60
45	132 KV single suspension pilot String for ACSR Zebra conductor compression type complete in all respect as per HVPNL specifications.	set	3	₹ 51.54	₹ 154.62
46	Mid Span compression joint for ACSR Moose Conductor along with all accessories as per HVPNL specification	Nos	3	₹ 13.14	₹ 39.42
47	Warning Tape as per HVPNL specifications	Mtrs	250	₹ 5.95	₹ 1,487.50
48	Fixing & erection of following accessories.				₹ 0.00
	a) Pipe earthing of Monopole/cable / Lattice Towers	Sets	32	₹ 2,542.93	₹ 81,373.76
	b) Number plate	No.	32	₹ 25.28	₹ 808.96
	c) Circuit Plate(set of 2)	No.	32	₹ 25.28	₹ 808.96
	d) Danger plate	No.	32	₹ 25.28	₹ 808.96
	e) Phase Plate (1 set= 3 Plate of RYB colour)	Set	32	₹ 25.28	₹ 808.96
49	Supply and Erection of Galvanised steel barbed wire on monopole for making anti climbing arrangement	KG	800	₹ 52.33	₹ 41,864.00
50	Providing 2.0 meter high temporary barricade and arrangement for traffic diversion such as traffic signals during construction at site for day and night as per the requirement during construction of foundation / other activities require traffic diversion safety etc. This arrangement has to be maintained till completion of such activities. Local shifting of barricading along with all associated accessories at a particular location may be required during execution and may require for traffic management. Nothing shall be paid extra including shifting etc.	R.M.	1000	₹ 2,075.09	₹ 20,75,090.00
51	Fabrication, supply, fixing/Erection and Painting of fencing wire mesh around the monopole Frame of angle iron 25mm x 25mm making grid size 1.5mmx 1.5mm or part having wiremesh of 8 SWG in between grids to cover the foundation on four sides. The angle iron grid & wire mesh to be fixed with each other by 100mm channel and soldering with 1.5 inch angle with 25x6mm MS strip at the back of angle with proper spacing including door of size 1.5mx 2m with suitable supports ,brackets complete with locking arrangements in all respect as per HVPNL requirement .	Sq.Ft	4000.00	₹ 152.69	₹ 6,10,760.00
52	Stringing, Testing and commissioning of OPGW including fixing of hardware fittings , Jumpering , earth bond etc and vibration dampers	Mtr.	6100	₹ 68.13	₹ 4,15,593.00
53	Making ,Testing and Commissioning of OPGW Joint Box	Nos	16	₹ 4,318.79	₹ 69,100.64
54	Dismantling of conductor including earth wire/OPGW & Hardware fittings.				
a	Dismantling of Existing of panther/Zebra conductor complete with H/W fittings, insulators for above portion of line and their transportation proper staking at any dedicated store and handed over to HVPNL	KM	25.00	₹ 6,610.95	₹ 1,65,273.75
b	Dismantling of Tower structure and their transportation & proper stacking at any dedicated store of HVPNL . The dismantling of tower shall also include dismantling of stub concrete upto a depth of 1 meter from natural Ground level back filling ,compaction and cleaning the site off debris.	MT	130.00	₹ 6,005.20	₹ 7,80,676.00

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c	Dismantling of Existing of Earthwire complete with H/W fittings for above portion of line and their transportation proper staking at any dedicated store and handed over to HVPNL	km	20	₹ 1,586.59	₹ 31,731.80
d	Transportation of released /dismantaled material in full body truck and submitting the same to a designated store /place as per direction of engineer incharge	Trip	16	₹ 12,365.62	₹ 1,97,849.92
TOTAL OF PART C: Erection Testing and commissioning					₹ 1,99,72,261.87
PART D- Foundation Work - Pile/Open					
55	Proving and installing cast-in situ vertical bored piles of approximate depth as per drawing and with M35 grade of concrete.(using Portland slag cement) including all operations such as installation and shifting of pilling rig etc. in all soil. The cost shall also include the cost of empty boring wherever (measurement shall be from cut-off level to founding level). The item includes disposal of earth,muck,slush released from pils, top leads . Reinforcement shall be paid seperately. rate shall include cost of using required dosage of admixture in concrete for obtaining required workability as per approval of Engineer . The items includes drilling and socketting in hand rock at required depth .				
	a) Considering 600 mm dia Pile.				
	i) By hydraulic rigs using partial depth casting with or without bentonite	RM.	650	₹ 7,485.57	₹ 48,65,620.50
	b) Considering 800 mm dia Pile.				
	i) By hydraulic rigs using partial depth casting with or without bentonite	RM.	950	₹ 9,655.30	₹ 91,72,535.00
56	Carrying out Static routine vertical load tests as per relevant IS codes including all arrangement for measuring deflections and submitting reports. This includes making of pile head ready for testing at the desired level supporting/erection arrangement (including reaction piles/soil/rock anchor, if any) for the kenledge load	No	16	₹ 3,54,679.01	₹ 56,74,864.16
57	Non destructive integrity testing of cast-in-situ piles of 800 mm dia and as per specification and submitting load.	No	16	₹ 1,988.94	₹ 31,823.04
58	Integrity pile test using cross hole sonic logging as per the provision of ASTM standard D6760.	No	16	₹ 3,192.11	₹ 51,073.76
59	Providing M 35/20 concrete (using portland Slag Cement) for following concrete work. Pile cap including excavation through existing concrete and water bond macadam road /Bituminous road/cement road of all thickness including dismantalling other structures, dead utilities etc. ans soil including dewatering, pumping and bailing out water ,strutting and shoring etc.. This item also includes formwork and backfilling in foundation including watering compacting with a vibratory plate compactor and loading ,leading and disposal of surplus excavated material using lockable and covered trucks so as to ensure that during transportation the carried material does not spill out Max lead to dumping ground will be leads (average anticipated load will be 10Km)Reinforcement shall be paid seperately. Rate shall include cost of using require dosage of admixture in concrete as required at site.	Cum.	5500	₹ 6,866.59	₹ 3,77,66,245.00
60	Excavation of pits of required width for tower/monopole foundation including getting out the excavated soil and then returning the soil as required. In layers not exceeding 20 cm in depth including consolidation each deposited layer by ramming, watering etc and disposing of surplus excavated soil as derected within a load of 30 mtrs.	Cum.	2500	₹ 211.18	₹ 5,27,950.00



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61	Cement concreting for PCC/RCC work in bases, raft and footing for the tower foundations including cost of centering and shuttering.				
	a) 1:3:6 (1 Cement: 3 Coarse sand: 6 graded stone aggregate. 40 mm normal)	Cum.	650	₹ 8,362.96	₹ 54,35,924.00
	b) 1:2:4 (1 Cement: 2 Coarse sand: 4 graded stone aggregate 40 mm normal)	Cum.	500	₹ 10,185.67	₹ 50,92,835.00
TOTAL OF PART D PILE /OPEN FOUNDATION					₹ 6,86,18,870.46
TOTAL OF PART E Any other DSR item(Civil DSR 2023,DSR (E&M)-2025)					₹ 1,00,00,000.00
SUMMARY OF SCHEME					
	TOTAL OF PART -A - DESIGN				₹ 14,88,217.98
	TOTAL OF PART -B - SUPPLY				₹ 24,57,46,509.77
	TOTAL OF PART -C - ERECTION , TESTING & COMMISSIONING				₹ 1,99,72,261.87
	TOTAL OF PART -D- PILE/OPEN FOUNDATION				₹ 6,86,18,870.46
	TOTAL OF PART E Any other DSR item (Civil DSR 2023,DSR (E&M)-2025)				₹ 1,00,00,000.00
	GRAND TOTAL (PART A + PART B + PART C + PART D+ PART E)				₹ 34,58,25,860.08



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