

**WR HQ-ELECTRICAL/WESTERN RLY
TENDER DOCUMENT**

Tender No: EL_TR_C_2018-19_19

Closing Date/Time: 22/03/2019 15:00

Dy.CEE/C/CCG acting for and on behalf of The President of India invites E-Tenders against Tender No EL_TR_C_2018-19_19 Closing Date/Time 22/03/2019 15:00 Hrs. Bidders will be able to submit their original/revised bids upto closing date and time only. Manual offers are not allowed against this tender, and any such manual offer received shall be ignored.

Contractors are allowed to make payments against this tender towards tender document cost and earnest money only through only payment modes available on IREPS portal like net banking, debit card, credit card etc. Manual payments through Demand draft, Banker cheque, Deposit receipts, FDR etc. are not allowed.

1. NIT HEADER

Name of Work	Design, Supply, Erection, Testing & Commissioning of 25 KVac OHE Feeder line including modification in OHE and Switching stations(SP,SSP) between Valsad-Surat Section on Mumbai Division of Western Railway in connection with new TSS at Vedcha.		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	22/03/2019 15:00	Date Time Of Uploading Tender	22/02/2019 03:05
Pre-Bid Required	No	Pre-Bid Query Date Time	Not Applicable
Advertised Value		Tendering Section	WORKS SECT
Bidding Style	Single Rate for Tender	Bidding Unit	Above/Below/Par
Earnest Money (Rs.)	257200.00	Validity of Offer (Days)	45
Tender Doc. Cost (Rs.)	10000.00	Period of Completion	6 Months
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	08/03/2019	Are Joint Venture (JV) firms allowed to bid	No
Ranking Order For Bids	Lowest to Highest		

2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Estimated Amount	Bidding Unit
Schedule A-Earth work & Foundation								
1	A1	600.00	cum	5948.00	3568800.00	AT Par	3568800.00	
	Item Description:- Concrete for foundation and plinth in all type of soil incl. hard/rocky soil (incl. excavation and supply of all materials viz., sand, cement, and ballast etc.)							
2	A2	8.00	cum	8948.00	71584.00	AT Par	71584.00	
	Item Description:- Reinforced Concrete for foundation and cable trench.							
3	A3	10.00	Sqm	2142.00	21420.00	AT Par	21420.00	
	Item Description:- Reinforced Concrete for cable trench cover.							
4	A4	20.00	cum	1444.00	28880.00	AT Par	28880.00	
	Item Description:- Supply, spreading and levelling of 20mm down graded ballast, pedding 150mm.							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Estimated Amount	Bidding Unit
Schedule B-Steel items								
5	B1	50.00	MT	108415.00	5420750.00	AT Par	5420750.00	
	Item Description:- Supply of rolled or fabricated and galvanized traction mast, TTC, Portal with boom and AT masts, Feeder mast etc.							
6	B2	15.00	MT	109035.00	1635525.00	AT Par	1635525.00	
	Item Description:- Supply of fabricated and galvanized steel works other than traction mast, TTC, portals etc. (SPS)							
7	B3	75.00	Each	20627.00	1547025.00	AT Par	1547025.00	
	Item Description:- Supply of single cantilever assembly complete with insulator for conventional OHE and inside the tunnel.							
8	B7	200.00	Each	1058.00	211600.00	AT Par	211600.00	
	Item Description:- Supply of all types of MS bonds (40 X 6 mm).							
9	B8	10.00	Each	4175.00	41750.00	AT Par	41750.00	
	Item Description:- Supply of Earth electrode.							
10	B9	100.00	Metre	188.00	18800.00	AT Par	18800.00	
	Item Description:- Supply of MS flat for earth (50 X 6 mm).							

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11	B10	1.00	MT	67725.00	67725.00	AT Par	67725.00	
	Item Description:- Supply of Fencing upright.							
12	B11	45.00	Metre	2738.00	123210.00	AT Par	123210.00	
	Item Description:- Supply of fencing panel as per RDSO approved drawing.							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Estimated Amount	Bidding Unit
Schedule C-Switch Gear, Insulators & other Elec. Items								
13	C2	2.00	Each	131887.00	263774.00	AT Par	263774.00	
	Item Description:- Supply of 25 KV double pole, 3150A isolator with interlocking mechanism.							
14	C5	16.00	Each	11303.00	180848.00	AT Par	180848.00	
	Item Description:- Supply of materials for termination of double conductor(including supply of 9 t cut-in insulator) of overhead equipment.							
15	C6	32.00	Each	6718.00	214976.00	AT Par	214976.00	
	Item Description:- Supply of materials for termination of single conductor / anticreep with 9 t cut-in insulator.							
16	C8	8.00	Each	8255.00	66040.00	AT Par	66040.00	
	Item Description:- Supply of 25KV solid core cut-in insulator.							
17	C9	90.00	Each	8726.00	785340.00	AT Par	785340.00	
	Item Description:- Supply of 25KV solid core suspension insulator.							
18	C10	20.00	Each	8240.00	164800.00	AT Par	164800.00	
	Item Description:- Supply of 25KV post insulator.							
19	C13	2.00	Each	26129.00	52258.00	AT Par	52258.00	
	Item Description:- Supply of 110V DC distribution board.							
20	C14	2.00	Each	2041.00	4082.00	AT Par	4082.00	
	Item Description:- Supply of 230V AC distribution board.							
21	C19	2.00	Each	42624.00	85248.00	AT Par	85248.00	
	Item Description:- Supply of Lightning arrestor for 25 KV OHE.							
22	C22	100.00	Each	2296.00	229600.00	AT Par	229600.00	
	Item Description:- Supply of all types of aluminium bus bar terminal assembly, splice and connectors for 50mm bus bar.							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Estimated Amount	Bidding Unit
Schedule D-Copper items and PVC cables								
23	D1	5.00	Per Track KM	306863.00	1534315.00	AT Par	1534315.00	
	Item Description:- Supply of overhead equipment excluding catenary & contact wire. Scope includes supply of number plates & various types of caution & other boards including shock treatment chart etc.							
24	D2	12.00	Each	450.00	5400.00	AT Par	5400.00	
	Item Description:- Supply of Catenary wire splice.							
25	D3	12.00	Each	1156.00	13872.00	AT Par	13872.00	
	Item Description:- Supply of Contact wire splice.							
26	D4	50.00	Metre	165.00	8250.00	AT Par	8250.00	
	Item Description:- Supply of 10 x 2.5 Sq.mm PVC insulated stranded copper cable for control and indication of interruptors.							
27	D5	50.00	Metre	50.00	2500.00	AT Par	2500.00	
	Item Description:- Supply of 2x2.5 Sq.mm PVC insulated stranded copper cable for catenay indication.							
28	D6	50.00	Metre	57.00	2850.00	AT Par	2850.00	
	Item Description:- Supply of 2x4 Sq.mm PVC insulated stranded copper cable for heater supply.							
29	D7	10.00	Metre	644.00	6440.00	AT Par	6440.00	
	Item Description:- Supply of copper strip for earthing (25mm x 3mm).							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Estimated Amount	Bidding Unit
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Schedule E-Erection							
30	E1	14.00	Per Track KM	15382.00	215348.00	AT Par	215348.00
	Item Description:- Preparation all drawing and design for overhead equipment including preparation of pre pegging, pegging and OHE layout plan						
31	E2	3.00	Each	48491.00	145473.00	AT Par	145473.00
	Item Description:- Preparation of design and drawing of switching stations.						
32	E3	50.00	MT	6786.00	339300.00	AT Par	339300.00
	Item Description:- Erection of rolled or fabricated and galvanized traction mast and auxiliary transformer masts, TTC and portals						
33	E4	15.00	MT	6669.00	100035.00	AT Par	100035.00
	Item Description:- Erection of fabricated and galvanized steel works other than traction mast (SPS).						
34	E5	75.00	Each	1626.00	121950.00	AT Par	121950.00
	Item Description:- Erection of single cantilever assembly complete with insulator for conventional OHE and inside the tunnel.						
35	E9	200.00	Each	266.00	53200.00	AT Par	53200.00
	Item Description:- Erection of all types of MS bonds.						
36	E10	10.00	Each	1513.00	15130.00	AT Par	15130.00
	Item Description:- Erection of Earth electrode.						
37	E11	100.00	Metre	64.00	6400.00	AT Par	6400.00
	Item Description:- Erection of MS flat for earth (50mmx6mm) laid in ground/exposed.						
38	C12	1.00	MT	6835.00	6835.00	AT Par	6835.00
	Item Description:- Erection of Fencing upright.						
39	E13	45.00	Metre	167.00	7515.00	AT Par	7515.00
	Item Description:- Erection of fencing panel						
40	E14	2.00	Each	12478.00	24956.00	AT Par	24956.00
	Item Description:- Erection of 25 kV Vacuum Interrupter.						
41	E15	2.00	Each	9181.00	18362.00	AT Par	18362.00
	Item Description:- Erection of 25 KV double pole isolator with interlocking mechanism						
42	E17	6.00	Each	6702.00	40212.00	AT Par	40212.00
	Item Description:- Erection PTFE Short Neutral section.						
43	E18	48.00	Each	1435.00	68880.00	AT Par	68880.00
	Item Description:- Erection of materials for termination of Single/double conductor (including supply of cut-in insulator) of overhead equipment.						
44	E19	32.00	Each	3886.00	124352.00	AT Par	124352.00
	Item Description:- Erection of anti-creep with 9T insulator.						
45	E21	8.00	Each	908.00	7264.00	AT Par	7264.00
	Item Description:- Erection 25KV solid core cut-in insulator						
46	E22	90.00	Each	1063.00	95670.00	AT Par	95670.00
	Item Description:- Erection of 25KV solid core suspension insulator.						
47	E23	20.00	Each	849.00	16980.00	AT Par	16980.00
	Item Description:- Erection of 25KV Post/Support insulator.						
48	E26	2.00	Each	1002.00	2004.00	AT Par	2004.00
	Item Description:- Erection of 110V DC distribution board.						
49	E27	2.00	Each	55.00	110.00	AT Par	110.00
	Item Description:- Erection of 230V AC distribution board.						
50	E32	2.00	Each	1395.00	2790.00	AT Par	2790.00
	Item Description:- Erection of Lightning arrestor 42 KV.						
51	E33	3.00	Each	57100.00	171300.00	AT Par	171300.00
	Item Description:- Erection, testing & commissioning of Station Equipments at SP/SSP as per RDSO Spec. No. TI/RCC/ SCADA/0130 /Rev-2) with A&C slip no.1 with amendments.						
52	E34	5.00	Per Track KM	64108.00	320540.00	AT Par	320540.00
	Item Description:- Erection of overhead equipment, including catenary, contact, jumper and dropper wires, fixing of number plates & various type of boards.						

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53	E35	150.00	Metre	15.00	2250.00	AT Par	2250.00	
	Item Description:- Transportation & laying of 10X2.5/2X2.5/2X4 Sq.mm PVC insulated stranded copper cable for control and indication.							
54	E37	10.00	Each	23.00	230.00	AT Par	230.00	
	Item Description:- Erection of copper strip for earthing. (25 x 3mm).							
55	E38	7000.00	Metre	33.00	231000.00	AT Par	231000.00	
	Item Description:- Erection of 150 sqmm copper feeder wire.							
56	E39	160.00	Metre	206.00	32960.00	AT Par	32960.00	
	Item Description:- Erection of 50/39mm aluminium bus bar.							
57	E40	100.00	Each	73.00	7300.00	AT Par	7300.00	
	Item Description:- Erection of all types of aluminium bus bar terminal assembly, splice and connectors for 50mm bus bar.							
58	E41	60.00	Numbers	4763.00	285780.00	AT Par	285780.00	
	Item Description:- Transfer of OHE from one support to another and adjustment of droppers.							
59	E42	50.00	Metre	281.00	14050.00	AT Par	14050.00	
	Item Description:- Providing (Supply with erection) of anticlimbing device for SSP/SP.							
60	E43	5.00	Kilometre	36873.00	184365.00	AT Par	184365.00	
	Item Description:- Dismantling & removal of OHE complete with cantilever, droppers, contact & catenary wire etc.							
61	E46	25.00	MT	6937.00	173425.00	AT Par	173425.00	
	Item Description:- Dismantling & removal of Mast, portal, TTC & other small part steel.							
62	E47	10.00	Each	2654.00	26540.00	AT Par	26540.00	
	Item Description:- Breaking of concrete foundation of Masts, portals & TTC.							
63	E48	6.00	Each	1277.00	7662.00	AT Par	7662.00	
	Item Description:- Dismantling & removal of Guy rod assembly.							
64	E49	3.00	Each	3547.00	10641.00	AT Par	10641.00	
	Item Description:- Providing (Supply & erection) of layout board for switching posts.							
65	E50	3.00	Each	10154.00	30462.00	AT Par	30462.00	
	Item Description:- Providing (Supply & erection) of Sectioning diagram board at stations.							
66	E51	3.00	Lumpsum	317729.00	953187.00	AT Par	953187.00	
	Item Description:- Software charges to support existing SCADA.							
67	E52	6.00	Each	4804.00	28824.00	AT Par	28824.00	
	Item Description:- Supply & erection of fire fighting equipment.							
68	E53	3.00	Each	989.00	2967.00	AT Par	2967.00	
	Item Description:- Supply of First aid Box with Strecher etc.							
69	E54	30.00	MT	5020.00	150600.00	AT Par	150600.00	
	Item Description:- Transportation of Railway supply materials from Railways depots to work site OR Transportation of Released material from work site to Railway depot.							
70	E55	1.00	Lumpsum	812056.00	812056.00	AT Par	812056.00	
	Item Description:- Work under Power Block: Any erection work as per schedule done under power and/or Traffic block is subject to have extra rate.							
71	E56	1000.00	Metre	143.00	143000.00	AT Par	143000.00	
	Item Description:- Dismantling of 150 sqmm Copper feeder wire							
72	E57	2.00	Numbers	8749.00	17498.00	AT Par	17498.00	
	Item Description:- Dismantling of Anticreep wire.							
73	E58	100.00	Metre	59.00	5900.00	AT Par	5900.00	
	Item Description:- Dismantling of 36/50 mm bus bar.							
74	E59	2.00	Numbers	5938.00	11876.00	AT Par	11876.00	
	Item Description:- Dismantling of single pole interrupter(BM)							
75	E60	2.00	Numbers	1170.00	2340.00	AT Par	2340.00	
	Item Description:- Dismantling of 25 kV LA.							
76	E61	2.00	Numbers	6702.00	13404.00	AT Par	13404.00	
	Item Description:- Dismantling of PTFE short Neutral Section.							

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3. ITEM BREAKUP

No item break up added

4. ELIGIBILITY CONDITIONS

Standard Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The tenderer must have received contractual payments in the previous three financial years and the current financial year upto the date of opening of tender, at least 150% of the advertised value of the tender. The tenderers shall submit Certificates to this effect which may be an attested Certificate from the concerned department / client and/or Audited Balance Sheet duly certified by the Chartered Accountant etc.	No	No	Allowed (Mandatory)

Submission of Affidavit

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Please submit notarized affidavit on a non-judicial stamp paper in the prescribed format (please download format from the link given below) for verification / confirmation of the documents submitted for compliance of eligibility/qualifying criteria. Non submission of properly filled affidavit in the prescribed format shall lead to summary rejection of your offer. Click here to download the format for Affidavit	No	No	Allowed (Mandatory)

Standard Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The tenderer must have successfully completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: Three similar works costing not less than the amount equal to 40% of advertised value of the tender, or Two similar works costing not less than the amount equal to 50% of advertised value of the tender, or One similar work costing not less than the amount equal to 80% of advertised value of the tender.	No	No	Allowed (Mandatory)
1.1	Defination of Similar Work :- Execution of any 1500V DC or 25kV AC OHE work	No	No	Not Allowed

5. COMPLIANCE

Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Please enter the percentage of local content in the material being offered. Please enter 0 for fully imported items, and 100 for fully indigenous items. The definition and calculation of local content shall be in accordance with the Make in India policy as incorporated in the tender conditions.	No	Yes	Allowed (Optional)

Technical-Compliances

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The tenderer firm should have Electrical Contractors License granted by the Govt. Tenderers should submit the copy of these certificates along with the tender document, failing which the tender will be summarily rejected	Yes	No	Allowed (Mandatory)
2	Tenderers should submit along with their tenders document - List of Plant and Machinery available on hand (own/hired) and proposed to be inducted (own/hired) to be given separately for the subject work .	Yes	Yes	Allowed (Mandatory)
3	The tenderers shall submit a notarized affidavit on a non-judicial stamp paper of Rs. 100/- stating that they are not liable to be disqualified and all their Statements /documents submitted along with bid and true and factual. Standard format of the affidavit to be submitted by the bidder is enclosed as Annexure-V.	No	No	Allowed (Mandatory)

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6. Documents attached with tender

S.No.	Document Name	Document Description
1	EL_TR_C_2018-19_19Final_compressed.pdf	Tender Document

This tender complies with Public Procurement Policy (Make in India) Order 2017, dated 15/06/2017, issued by Department of Industrial Promotion and Policy, Ministry of Commerce, circulated vide Railway Board letter no. 2015/RS(G)/779/5 dated 03/08/2017 and 27/12/2017.

Signed By: SHYAM YADAV

Designation : Dy.CEE/ C /CCG