

**WR-DYCEE-C-ADI-ELECTRICAL/WESTERN RLY
TENDER DOCUMENT**

Tender No: EL-C-ADI-TRD-17R-2022-23

Closing Date/Time: 04/05/2023 15:00

DYCEE-C-ADI acting for and on behalf of The President of India invites E-Tenders against Tender No **EL-C-ADI-TRD-17R-2022-23** Closing Date/Time 04/05/2023 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.

1. NIT HEADER

Name of Work	Design, Supply, Erection, Testing & Commissioning of 25 KVac OHE in Phase-II of Ahmedabad-HimmatNagar Gauge Conversion Work of Ahmedabad Division of Western Railway.		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Two Packet System
Tender Closing Date Time	04/05/2023 15:00	Date Time Of Uploading Tender	03/04/2023 18:47
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	167943788.00	Tendering Section	TECHNICAL
Bidding Style	Single Rate for Each Schedule	Bidding Unit	
Earnest Money (Rs.)	989700.00	Validity of Offer (Days)	90
Tender Doc. Cost (Rs.)	0.00	Period of Completion	12 Months
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	20/04/2023	Are Joint Venture (JV) firms allowed to bid	Yes
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Capital (Works)

2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule A-(Earth work & Foundation)							23215616.00	Above/ Below/Par
1	Please see Item Breakup for details.				23018760.00	AT Par	23018760.00	
	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	Please see Item Breakup for details.				196856.00	AT Par	196856.00	
	Description:- Reinforced Concrete for foundation and cable trench							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule B-(Steel items)							100759062.00	Above/ Below/Par
1	Please see Item Breakup for details.				55942140.00	AT Par	55942140.00	
	Description:- Supply of rolled or fabricated and galvanized traction mast, TTC, Portal with boom and AT masts, Feeder mast etc.							
2	Please see Item Breakup for details.				16137180.00	AT Par	16137180.00	
	Description:- Supply of fabricated and galvanized steel works other than traction mast, TTC, portals etc. (SPS)							
3	Please see Item Breakup for details.				19513142.00	AT Par	19513142.00	
	Description:- Supply of single cantilever assembly complete with insulator for conventional OHE and inside the tunnel							
4	Please see Item Breakup for details.				180030.00	AT Par	180030.00	
	Description:- Supply of pull-off arrangement for OHE							
5	Please see Item Breakup for details.				1829005.00	AT Par	1829005.00	
	Description:- Supply of guy rod assembly							
6	Please see Item Breakup for details.				4703340.00	AT Par	4703340.00	
	Description:- B-6 Supply of regulating equipment 3 pulley type complete with all accessories including counter weight assembly and SS wire rope for OHE.							
7	Please see Item Breakup for details.				2274700.00	AT Par	2274700.00	
	Description:- Supply of all types of GI bonds (40 X 6 mm)							
8	Please see Item Breakup for details.				179525.00	AT Par	179525.00	
	Description:- Supply of Earth electrode- 3 Mtr							

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S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule C -(Switch Gear, Insulators & other Elec. Items)							9644980.00	Above/ Below/Par
3	Please see Item Breakup for details.				1742532.00	AT Par	1742532.00	
	Description:- Supply of 25KV single pole, 1600A isolator							
5	Please see Item Breakup for details.				3402203.00	AT Par	3402203.00	
	Description:- Supply of materials for termination of double conductor (including supply of 9 t cut-in insulator) of overhead equipment.							
6	Please see Item Breakup for details.				577748.00	AT Par	577748.00	
	Description:- Supply of materials for termination of single conductor with 9 t cut-in insulator							
7	Please see Item Breakup for details.				1112760.00	AT Par	1112760.00	
	Description:- Supply of section insulator assembly including core and cut-in insulator							
8	Please see Item Breakup for details.				181610.00	AT Par	181610.00	
	Description:- Supply of 25KV solid core cut-in insulator							
9	Please see Item Breakup for details.				191972.00	AT Par	191972.00	
	Description:- Supply of 25KV solid core suspension insulator							
10	Please see Item Breakup for details.				181280.00	AT Par	181280.00	
	Description:- Supply of 25KV post insulator							
11	Please see Item Breakup for details.				94236.00	AT Par	94236.00	
	Description:- A-Supply of 10 KVA Change over panel as per RDSO spec. suitable for 10 KVA AT supply							
11	Please see Item Breakup for details.				755349.00	AT Par	755349.00	
	Description:- B-Supply of 25 KVA Change over panel as per RDSO spec. suitable for 25 KVA AT supply							
11	Please see Item Breakup for details.				141354.00	AT Par	141354.00	
	Description:- C-Supply of 5 KVA Change over panel as per RDSO spec suitable for 5 KVA AT supply							
18	Please see Item Breakup for details.				254712.00	AT Par	254712.00	
	Description:- A-Supply of Auxiliary Transformer 25 kV/230 V, 10 KVA with DO fuse assembly, LV box & Anti climbing device							
18	Please see Item Breakup for details.				764424.00	AT Par	764424.00	
	Description:- B-Supply of Auxiliary Transformer 25 kV/230 V, 25 KVA with DO fuse assembly, LV box & Anti climbing device							
18	Please see Item Breakup for details.				244800.00	AT Par	244800.00	
	Description:- C-Supply of Auxiliary Transformer 25 kV/230 V, 5 KVA with DO fuse assembly, LV box & Anti climbing device.							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule D -(Copper items and PVC cables)							13264167.00	Above/ Below/Par
1	Please see Item Breakup for details.				13195109.00	AT Par	13195109.00	
	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.							
2	Please see Item Breakup for details.				19350.00	AT Par	19350.00	
	Description:- Supply of Catenary wire splice Over & above as required for item D1							
3	Please see Item Breakup for details.				49708.00	AT Par	49708.00	
	Description:- Supply of Contact wire splice over & above as required for item D1							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule E -(Erection)							19130833.00	Above/ Below/Par
1	Please see Item Breakup for details.				661426.00	AT Par	661426.00	
	Description:- Preparation all drawing and design for overhead equipment including preparation of pre pegging, pegging and OHE layout plan							
2	Please see Item Breakup for details.				3501576.00	AT Par	3501576.00	

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3	Description:- Erection of rolled or fabricated and galvanized traction mast and auxiliary transformer masts, TTC and portals				
4	Please see Item Breakup for details.	987012.00	AT Par	987012.00	
	Description:- Erection of fabricated and galvanized steel works other than traction mast (SPS)				
5	Please see Item Breakup for details.	1538196.00	AT Par	1538196.00	
	Description:- Erection of single cantilever assembly complete with insulator for conventional OHE and inside the tunnel				
6	Please see Item Breakup for details.	21029.00	AT Par	21029.00	
	Description:- Erection of pull-off arrangement for OHE				
7	Please see Item Breakup for details.	320350.00	AT Par	320350.00	
	Description:- Erection of guy rod assembly				
8	Please see Item Breakup for details.	521590.00	AT Par	521590.00	
	Description:- Erection of regulating equipment 3 pulley type complete with all accessories and adjustment of the same				
9	Please see Item Breakup for details.	571900.00	AT Par	571900.00	
	Description:- Erection of all types of GI bonds				
10	Please see Item Breakup for details.	65059.00	AT Par	65059.00	
	Description:- A-Erection of Earth electrode				
16	Please see Item Breakup for details.	100496.00	AT Par	100496.00	
	Description:- Erection of 25KV single pole isolator without earth contact assembly				
18	Please see Item Breakup for details.	431935.00	AT Par	431935.00	
	Description:- Erection of materials for termination of Single/double conductor (including supply of cut-in insulator) of overhead equipment.				
19	Please see Item Breakup for details.	334196.00	AT Par	334196.00	
	Description:- Erection of anti-creep with 9T insulator over & above as incl. in E34				
20	Please see Item Breakup for details.	130834.00	AT Par	130834.00	
	Description:- Erection of section insulator assembly including core and cut-in insulator				
21	Please see Item Breakup for details.	19976.00	AT Par	19976.00	
	Description:- Erection 25KV solid core cut-in insulator				
22	Please see Item Breakup for details.	23386.00	AT Par	23386.00	
	Description:- Erection of 25KV solid core suspension insulator				
23	Please see Item Breakup for details.	18678.00	AT Par	18678.00	
	Description:- Erection of 25KV Post/Support insulator				
24	Please see Item Breakup for details.	37308.00	AT Par	37308.00	
	Description:- Erection of 10 KVA Change over panel as per RDSO spec. suitable for 10 KVA AT supply				
31	Please see Item Breakup for details.	55674.00	AT Par	55674.00	
	Description:- A-Erection & commissioning of auxiliary transformer 5 & 10 KVA including DO fuse assembly, LV box & anti climbing device				
31	Please see Item Breakup for details.	40014.00	AT Par	40014.00	
	Description:- Erection & commissioning of auxiliary transformer 25 KVA including DO fuse assembly, LV box & anti climbing device				
34	Please see Item Breakup for details.	2756644.00	AT Par	2756644.00	
	Description:- Erection of overhead equipment, including catenary, contact, jumper and dropper wires, fixing of number plates & various type of boards				
35	Please see Item Breakup for details.	645.00	AT Par	645.00	
	Description:- Transportation & laying of 10X2.5/2X2.5/2X4 Sq.mm PVC insulated stranded copper cable for control and indication				
36	Please see Item Breakup for details.	412800.00	AT Par	412800.00	
	Description:- Transportation & laying of 2x70 Sq.mm PVC insulated stranded aluminium cable from AT to DB				
38	Please see Item Breakup for details.	70950.00	AT Par	70950.00	
	Description:- Erection of 150 sqmm copper feeder wire.				
41	Please see Item Breakup for details.	1228854.00	AT Par	1228854.00	
	Description:- Transfer of OHE from one support to another and adjustment of droppers				
43	Please see Item Breakup for details.	147492.00	AT Par	147492.00	

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	Description:- Dismantling & removal of OHE complete with cantilever, droppers, contact & catenary wire etc.			
44	Please see Item Breakup for details.	16448.00	AT Par	16448.00
	Description:- Dismantling & removal of Auxiliary transformer with DO fuse			
45	Please see Item Breakup for details.	20610.00	AT Par	20610.00
	Description:- Dismantling & removal of Isolator complete			
46	Please see Item Breakup for details.	152614.00	AT Par	152614.00
	Description:- Dismantling & removal of Mast, portal, TTC & other small part steel			
47	Please see Item Breakup for details.	114122.00	AT Par	114122.00
	Description:- Breaking of concrete foundation of Masts, portals & TTC			
48	Please see Item Breakup for details.	28094.00	AT Par	28094.00
	Description:- Dismantling & removal of Guy rod assembly			
50	Please see Item Breakup for details.	40616.00	AT Par	40616.00
	Description:- Providing (Supply & erection) of Sectioning diagram board at stations			
54	Please see Item Breakup for details.	647580.00	AT Par	647580.00
	Description:- Transportation of Railway supply materials from Railways depots to work site OR Transportation of Released material from work site to Railway depot.			
55	Please see Item Breakup for details.	4112729.00	AT Par	4112729.00
	Description:- Work under Power Block:Any erection work as per schedule done under power and /or Traffic block is subject to have extra rate.			

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule F-SCHEDULE - F (General)							1929130.00	Above/ Below/Par
1	Please see Item Breakup for details.				1182240.00	AT Par	1182240.00	
	Description:- Providing utility van for tower wagon crew, shifting of man and material for the work							
2	Please see Item Breakup for details.				460416.00	AT Par	460416.00	
	Description:- Providing temporary lighting & accomodation arrangment during night working and TWO by portable type 2 to 5 KVA DG Set on hiring basis complete with fuel,oil, acessories and all material.							
3	Please see Item Breakup for details.				234909.00	AT Par	234909.00	
	Description:- Preparation documents, SWR, App G, Display Notice boards, key box for EIG & CRS.							
4	Please see Item Breakup for details.				18791.00	AT Par	18791.00	
	Description:- Tree Trimming for OHE section							
5	Please see Item Breakup for details.				32774.00	AT Par	32774.00	
	Description:- Groves,Helmet, safety items for operating and electrical staff at all station and LC gate.							

3. ITEM BREAKUP

Schedule	Schedule A-(Earth work & Foundation)					
Item- 1	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.)					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	A-1	cum	3870.00	5948.00	23018760.00
					Total	23018760.00
Item- 2	Reinforced Concrete for foundation and cable trench					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	2	A-2	cum	22.00	8948.00	196856.00
					Total	196856.00
Schedule	Schedule B-(Steel items)					
Item- 1	Supply of rolled or fabricated and galvanized traction mast, TTC, Portal with boom and AT masts, Feeder mast etc.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount

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1	1	B-1	MT	516.00	108415.00	55942140.00
					Total	55942140.00
Item- 2	Supply of fabricated and galvanized steel works other than traction mast, TTC, portals etc. (SPS)					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	2	B-2	MT	148.00	109035.00	16137180.00
					Total	16137180.00
Item- 3	Supply of single cantilever assembly complete with insulator for conventional OHE and inside the tunnel					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	3	B-3	Each	946.00	20627.00	19513142.00
					Total	19513142.00
Item- 4	Supply of pull-off arrangement for OHE					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	4	B-4	Each	17.00	10590.00	180030.00
					Total	180030.00
Item- 5	Supply of guy rod assembly					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	5	B-5	Each	215.00	8507.00	1829005.00
					Total	1829005.00
Item- 6	B-6 Supply of regulating equipment 3 pulley type complete with all accessories including counter weight assembly and SS wire rope for OHE.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	6	B-6	Each	86.00	54690.00	4703340.00
					Total	4703340.00
Item- 7	Supply of all types of GI bonds (40 X 6 mm)					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	7	B-7	Each	2150.00	1058.00	2274700.00
					Total	2274700.00
Item- 8	Supply of Earth electrode- 3 Mtr					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	8	B-8 A	Each	43.00	4175.00	179525.00
					Total	179525.00
Schedule	Schedule C-(Switch Gear, Insulators & other Elec. Items)					
Item- 3	Supply of 25KV single pole, 1600A isolator					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	3	C-3	Each	22.00	79206.00	1742532.00
					Total	1742532.00
Item- 5	Supply of materials for termination of double conductor (including supply of 9 t cut-in insulator) of overhead equipment.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	5	C-5	Each	301.00	11303.00	3402203.00
					Total	3402203.00
Item- 6	Supply of materials for termination of single conductor with 9 t cut-in insulator					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	6	C-6	Each	86.00	6718.00	577748.00

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					Total	577748.00
Item- 7	Supply of section insulator assembly including core and cut-in insulator					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	7	C-7	Each	22.00	50580.00	1112760.00
					Total	1112760.00
Item- 8	Supply of 25KV solid core cut-in insulator					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	8	C-8	Each	22.00	8255.00	181610.00
					Total	181610.00
Item- 9	Supply of 25KV solid core suspension insulator					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	9	C-9	Each	22.00	8726.00	191972.00
					Total	191972.00
Item- 10	Supply of 25KV post insulator					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	10	C-10	Each	22.00	8240.00	181280.00
					Total	181280.00
Item- 11	A-Supply of 10 KVA Change over panel as per RDSO spec. suitable for 10 KVA AT supply					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	11	C-11 A	Each	3.00	31412.00	94236.00
					Total	94236.00
Item- 11	B-Supply of 25 KVA Change over panel as per RDSO spec. suitable for 25 KVA AT supply					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	11	C-11 B	Each	3.00	251783.00	755349.00
					Total	755349.00
Item- 11	C-Supply of 5 KVA Change over panel as per RDSO spec suitable for 5 KVA AT supply					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	11	C-11 C	Each	6.00	23559.00	141354.00
					Total	141354.00
Item- 18	A-Supply of Auxiliary Transformer 25 kV/230 V, 10 KVA with DO fuse assembly, LV box & Anti climbing device					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	18	C-18	Each	3.00	84904.00	254712.00
					Total	254712.00
Item- 18	B-Supply of Auxiliary Transformer 25 kV/230 V, 25 KVA with DO fuse assembly, LV box & Anti climbing device					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	18	C-18 B	Each	3.00	254808.00	764424.00
					Total	764424.00
Item- 18	C-Supply of Auxiliary Transformer 25 kV/230 V, 5 KVA with DO fuse assembly, LV box & Anti climbing device.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	18	C-18 C	Each	6.00	40800.00	244800.00
					Total	244800.00
Schedule	Schedule D-(Copper items and PVC cables)					
Item- 1	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.					

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S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	D-1	Per Track KM	43.00	306863.00	13195109.00
					Total	13195109.00
Item- 2	Supply of Catenary wire splice Over & above as required for item D1					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	2	D-2	Each	43.00	450.00	19350.00
					Total	19350.00
Item- 3	Supply of Contact wire splice over & above as required for item D1					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	3	D-3	Each	43.00	1156.00	49708.00
					Total	49708.00
Schedule	Schedule E-(Erection)					
Item- 1	Preparation all drawing and design for overhead equipment including preparation of pre pegging, pegging and OHE layout plan					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-1	Per Track KM	43.00	15382.00	661426.00
					Total	661426.00
Item- 3	Erection of rolled or fabricated and galvanized traction mast and auxiliary transformer masts, TTC and portals					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	3	E-3	MT	516.00	6786.00	3501576.00
					Total	3501576.00
Item- 4	Erection of fabricated and galvanized steel works other than traction mast (SPS)					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	4	E-4	MT	148.00	6669.00	987012.00
					Total	987012.00
Item- 5	Erection of single cantilever assembly complete with insulator for conventional OHE and inside the tunnel					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	5	E-5	Each	946.00	1626.00	1538196.00
					Total	1538196.00
Item- 6	Erection of pull-off arrangement for OHE					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	6	E-6	Each	17.00	1237.00	21029.00
					Total	21029.00
Item- 7	Erection of guy rod assembly					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	7	E-7	Each	215.00	1490.00	320350.00
					Total	320350.00
Item- 8	Erection of regulating equipment 3 pulley type complete with all accessories and adjustment of the same					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	8	E-8	Each	86.00	6065.00	521590.00
					Total	521590.00
Item- 9	Erection of all types of GI bonds					

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S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	9	E-9	Each	2150.00	266.00	571900.00
					Total	571900.00
Item- 10	A-Erection of Earth electrode					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	10	E-10 A	Each	43.00	1513.00	65059.00
					Total	65059.00
Item- 16	Erection of 25KV single pole isolator without earth contact assembly					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	16	E-16	Each	22.00	4568.00	100496.00
					Total	100496.00
Item- 18	Erection of materials for termination of Single/double conductor (including supply of cut-in insulator) of overhead equipment.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	18	E-18	Each	301.00	1435.00	431935.00
					Total	431935.00
Item- 19	Erection of anti-creep with 9T insulator over & above as incl. in E34					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	19	E-19	Each	86.00	3886.00	334196.00
					Total	334196.00
Item- 20	Erection of section insulator assembly including core and cut-in insulator					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	20	E-20	Each	22.00	5947.00	130834.00
					Total	130834.00
Item- 21	Erection 25KV solid core cut-in insulator					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	21	E-21	Each	22.00	908.00	19976.00
					Total	19976.00
Item- 22	Erection of 25KV solid core suspension insulator					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	22	E-22	Each	22.00	1063.00	23386.00
					Total	23386.00
Item- 23	Erection of 25KV Post/Support insulator					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	23	E-23	Each	22.00	849.00	18678.00
					Total	18678.00
Item- 24	Erection of 10 KVA Change over panel as per RDSO spec. suitable for 10 KVA AT supply					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	24	E-24	Each	12.00	3109.00	37308.00
					Total	37308.00
Item- 31	A-Erection & commissioning of auxiliary transformer 5 & 10 KVA including DO fuse assembly, LV box & anti climbing device					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount

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1	31	E-31 A	Each	9.00	6186.00	55674.00
					Total	55674.00
Item- 31	Erection & commissioning of auxiliary transformer 25 KVA including DO fuse assembly, LV box & anti climbing device					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	31	E-31 B	Each	3.00	13338.00	40014.00
					Total	40014.00
Item- 34	Erection of overhead equipment, including catenary, contact, jumper and dropper wires, fixing of number plates & various type of boards					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	34	E-34	Per Track KM	43.00	64108.00	2756644.00
					Total	2756644.00
Item- 35	Transportation & laying of 10X2.5/2X2.5/2X4 Sq.mm PVC insulated stranded copper cable for control and indication					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	35	E-35	Metre	43.00	15.00	645.00
					Total	645.00
Item- 36	Transportation & laying of 2x70 Sq.mm PVC insulated stranded aluminium cable from AT to DB					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	36	E-36	Metre	8600.00	48.00	412800.00
					Total	412800.00
Item- 38	Erection of 150 sqmm copper feeder wire.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	38	E-38	Metre	2150.00	33.00	70950.00
					Total	70950.00
Item- 41	Transfer of OHE from one support to another and adjustment of droppers					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	41	E-41	Numbers	258.00	4763.00	1228854.00
					Total	1228854.00
Item- 43	Dismantling & removal of OHE complete with cantelever, droppers, contact & catenary wire etc.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	43	E-43	Kilometre	4.00	36873.00	147492.00
					Total	147492.00
Item- 44	Dismantling & removal of Auxiliary transformer with DO fuse					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	44	E-44	Each	4.00	4112.00	16448.00
					Total	16448.00
Item- 45	Dismantling & removal of Isolator complete					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	45	E-45	Each	6.00	3435.00	20610.00
					Total	20610.00
Item- 46	Dismantling & removal of Mast, portal, TTC & other small part steel					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount

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1	46	E-46	MT	22.00	6937.00	152614.00
					Total	152614.00
Item- 47	Breaking of concrete foundation of Masts, portals & TTC					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	47	E-47	Each	43.00	2654.00	114122.00
					Total	114122.00
Item- 48	Dismantling & removal of Guy rod assembly					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	48	E-48	Each	22.00	1277.00	28094.00
					Total	28094.00
Item- 50	Providing (Supply & erection) of Sectioning diagram board at stations					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	50	E-50	Each	4.00	10154.00	40616.00
					Total	40616.00
Item- 54	Transportation of Railway supply materials from Railways depots to work site OR Transportation of Released material from work site to Railway depot.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	54	E-54	MT	129.00	5020.00	647580.00
					Total	647580.00
Item- 55	Work under Power Block:Any erection work as per schedule done under power and /or Traffic block is subject to have extra rate.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	55	E-55	Lumpsum	1.00	4112729.00	4112729.00
					Total	4112729.00
Schedule	Schedule F-SCHEDULE - F (General)					
Item- 1	Providing utility van for tower wagon crew, shifting of man and material for the work					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-1	Per Day	720.00	1642.00	1182240.00
					Total	1182240.00
Item- 2	Providing temporary lighting & accomodation arrangment during night working and TWO by portable type 2 to 5 KVA DG Set on hiring basis comlete with fuel,oil, acessories and all material.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	2	F-2	Per Day	48.00	9592.00	460416.00
					Total	460416.00
Item- 3	Preparation documents, SWR, App G, Display Notice boards, key box for EIG & CRS.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	3	F-3	Per Track KM	43.00	5463.00	234909.00
					Total	234909.00
Item- 4	Tree Trimming for OHE section					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	4	F-4	Per Unit	43.00	437.00	18791.00
					Total	18791.00
Item- 5	Groves,Helmet, safety items for operating and electrical staff at all station and LC gate.					

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S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	5	F-5	Lumpsum	1.00	32774.00	32774.00
					Total	32774.00

4. ELIGIBILITY CONDITIONS

Important : All documents uploaded and remarks / confirmation entered by the bidders against any eligibility condition shall be opened as part of technical bid only

Special Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	10.2.Financial Eligibility Criteria:- The tenderer must have minimum average annual contractual turnover of V/N or 'V' whichever is less; where V= Advertised value of the tender in crores of Rupees N= Number of years prescribed for completion of work for which bids have been invited. The average annual contractual turnover shall be calculated as an average of "total contractual payments" in the previous three financial years, as per the audited balance sheet. However, in case balance sheet of the previous year is yet to be prepared/ audited, the audited balance sheet of the fourth previous year shall be considered for calculating average annual contractual turnover. The tenderers shall submit requisite information as per Annexure-VIB, along with copies of Audited Balance Sheets duly certified by the Chartered Accountant/ Certificate from Chartered Accountant duly supported by Audited Balance Sheet.	No	No	Allowed (Mandatory)

Special Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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1	<p>10.1 Technical Eligibility Criteria: (a)The tenderer must have successfully completed or substantially completed any one of the following categories of work(s) during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: (i)Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, or (ii)Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, or (iii)One similar work costing not less than the amount equal to 60% of advertised value of the tender. (b) (1)In case of tenders for composite works (e.g. works involving more than one distinct component, such as Civil Engineering works, S&T works, Electrical works, OHE works etc. and in the case of major bridges - substructure, superstructure etc.), tenderer must have successfully completed or substantially completed any one of the following categories of work(s) during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: (i)Three similar works each costing not less than the amount equal to 30% of advertised value of each component of tender, or (ii)Two similar works each costing not less than the amount equal to 40% of advertised value of each component of tender, or (iii)One similar work each costing not less than the amount equal to 60% of advertised value of each component of tender. Note for b(1): Separate completed works of minimum required values shall also be considered for fulfillment of technical eligibility criteria for different components. (b)(2)In such cases, what constitutes a component in a composite work shall be clearly pre-defined with estimated tender cost of it, as part of the tender documents without any ambiguity. (b) (3) To evaluate the technical eligibility of tenderer, only components of work as stipulated in tender documents for evaluation of technical eligibility, shall be considered. The scope of work covered in other remaining components shall be either executed by tenderer himself if he has work experience as mentioned in clause 7 of the Standard General Conditions of Contractor through subcontractor fulfilling the requirements as per clause 7 of the Standard General Conditions of Contract or jointly i.e., partly himself and remaining through subcontractor, with prior approval of Chief Engineer in writing. However, if required in tender documents by way of Special Conditions, a formal agreement duly notarised, legally enforceable in the court of law, shall be executed by the main contractor with the subcontractor for the component(s) of work proposed to be executed by the subcontractor(s), and shall be submitted along with the offer for considering subletting of that scope of work towards fulfillment of technical eligibility. Such subcontractor must fulfill technical eligibility criteria as follows: The subcontractor shall have successfully completed at least one work similar to work proposed for subcontract, costing not less than 35% value of work to be subletted, in last 5 years, ending last day of month previous to the one in which tender is invited through a works contract. Note: for subletting of work costing up to Rs 50 lakh, no previous work experience of subcontractor shall be asked for by the Railway. In case after award of contract or during execution of work it becomes necessary for contractor to change subcontractor, the same shall be done with subcontractor(s) fulfilling</p>	No	No	Allowed (Mandatory)
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Submission of Document Verification Certificate

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	<p>Please submit a certificate in the prescribed format (please download the format from the link given below) for verification / confirmation of the documents submitted for compliance of eligibility / qualifying criteria. Non submission of the certificate, or submission of certificate either not properly filled in, or in a format other than the prescribed format shall lead to summary rejection of your offer. (Click here to download the Format of Self Certificatio)</p>	No	No	Allowed (Mandatory)

5. COMPLIANCE

Important : All documents uploaded and remarks / confirmation entered by the bidders against any compliance condition shall be opened as part of technical bid only.

Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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1	2.15.00 CARE IN SUBMISSION OF TENDER: (As per Railway Board's letter No 2017/CE-I/CT/4/GST dated 23.06.2017) i.Before submitting a tender, the tender will be deemed to have satisfied himself by actual inspection of the site and locality of the works, that all conditions liable to be encountered during the execution of the works are taken into account and that the rates he enters in the tender forms are adequate and all inclusive to accord with the provisions in clause - 37 of the Standard General conditions of contract for the completion of works to the entire satisfaction of the Engineer. ii.Tenders will examine the various provisions of the Central Goods and service Tax Act, 2017 (CGST) / Integrated Goods and Service Tax Act, 2017(IGST) / Union Territory Goods and Service Tax Act, 2017(UTGST) / respective state's State Goods and Service Tax Act (SGST) also, as notified by Central / State Govt. & as amended from time to time and applicable taxes before bidding. Tenderers will ensure that full benefit of Input Tax credit (ITC) likely to be availed by them is duly considered while quoting rates. iii.The successful tenderer who is liable to be registered under CGST/IGST/UTGST/SGST Act shall submit GSTIN along with other details required under CGST/IGST/UTGST/SGST Act to railway immediately after the award of contract, without which no payment shall be released to the contractor. The contractor shall be responsible for deposition of applicable GST to the concerned authority. iv.In case the successful tenderer is not liable to be registered under CGST/IGST/UTGST/SGST Act, the railway shall deduct the applicable GST from his/their bills under reverse charge mechanism (RCM) and deposit the same to the concerned authority.	No	No	Allowed (Mandatory)
2	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)

General Instructions

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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1	<p>1.02INSTRUCTIONS TO THE TENDERER(S) 1. The E- Tenders document shall consist of:- a)Annexed Documents to the Tender Documents which includes (i)Top Sheet (Chapter-1), (ii) Instructions to the Tender(s),(iii) Eligibility Criteria (iv) General Condition of Contract, (v) Special Contract,(vi) Addl. Special Conditions of Contract i.e. Technical Conditions, (vii) Guidelines for participation of JV Firms, MOU for JV Participation & JV Agreement, (viii) Contractor's Familiarization (ix) Annexures and b)Indian Railways Standard General Conditions of Contract 2014 with correction slips up to the date of closing of tender. 2.Before submitting the offer, please read carefully complete E-tender document including instructions to Tenderers, Indian Railways Standard General Conditions of Contract-2014, General Conditions of Contract, Special Conditions of Contract, Additional Special Conditions of Contract i.e. Technical Conditions etc. as available on the web site www.ireps.gov.in. Please do not leave any lapses which may lead to declaration of your offer as INVALID. 3.Your digital signature on the E-Tender form will be considered as your confirmation that you have read and accepted all the conditions laid down in the documents as well as schedule of tender consisting of technical bid form (including special conditions attached to E-Tender) and Financial offer form, unless specific deviation is quoted in the technical bid. 4.Payment of EMD& TDC:- Payment of Earnest Money Deposit (EMD) & tender document cost (TDC) in respect of e-tendering should be accepted through Net banking or payment gateway only. Note- Fixed Deposit Receipt (FDR) will not be accepted as EMD for Tenders invited on IREPS (E-tender portal) (Ref- Railway board letter no 2015/CE-I/CT/5/1 Dated 31-8-2016.) 5.The cost of tender document shall not be clubbed with the Earnest Money Deposit. a.The E-bid submitted without requisite cost of tender document in appropriate form is to be summarily rejected. b.Offer not accompanied by requisite tender cost in acceptable form and/or not received within prescribed date shall be liable to be ignored. 6.The prospective tenderers are advised to revisit the website frequently before the date of closing of tender to note any changes/corrigenda issued for this tender. Website: www.ireps.gov.in. 7.No Manual Offers sent by Post/FAX or in person shall be accepted against such E-tenders, even if these are submitted on the firm's letter head and received in time. The manual offer uploaded as attached document shall not be considered also. All such manual offers shall be considered as invalid offers and shall be rejected summarily without any consideration. 8.E-Tender is not transferable and the same is to be submitted with digital signature by the preauthorized personnel of the tenderer, already registered with the site. 9.If the required information asked for in the tender document is not furnished, the tender will be otherwise treated incomplete and hence will not be considered. 10.The On-line bidding doesn't permit submission of offer after stipulated date and time of the e-tender. Hence there is no scope for late/delayed tenders. 11.In case of Two packet system of bidding, after scrutinizing the Technical bid and short listing the tenderers, the Financial Bid shall be opened on a subsequent date only for those tenderers who will be qualifying Technical Bid as per eligibility/qualifying criteria laid down. The date of opening of financial bid</p>	No	No	Not Allowed
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Technical-Compliances

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Similar Nature of Work means:- "Execution of any 1500 V DC or 25 KV AC OHE work"	No	No	Allowed (Mandatory)

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2	Electrical Contractor License :- For participating in tenders for a work in any state the Contractors shall have to possess electrical license of appropriate voltage issued by any State Govt. under Clause 45 of compilation of rule of Indian Electricity Rules 1956 or as amended from time to time and a copy of the same should be submitted along with the offer. They shall keep valid license throughout the period of execution of work by getting it renewed at suitable intervals and submit an attested copy of the same to the Railways after each renewal. In the event of any discontinuity in validity of electrical license of the contractor, its authority to work with Railways will also automatically cease to be valid. i)The Tenderer should have valid license in the name of proprietor/partner/firm. Tenderer should enclose attested copy of valid Electrical Contractor License with tender. ii)In case, the license is under renewal, copy of challan (receipt of renewal fee) to be submitted alongwith the tender and attested copy of the valid electrical contractor license to be submitted within one month from the date of opening of tender. Otherwise the tender will not be considered. iii)If the attested copy of valid electrical contractor license or license under renewal with challan (receipt of renewal fee) is not enclosed with tender the tender will not be considered.	No	No	Allowed (Mandatory)
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6. Documents attached with tender

S.No.	Document Name	Document Description
1	ivR-IrepsuploadTRDTendDoc17RPhaseIIIOHE-310323reviewed.pdf	Tender documents

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 and amendments/ revisions thereof.

As a Tender Inviting Authority, the undersigned has ensured that the issue of this tender does not violate provisions of GFR regarding procurement through GeM.

Signed By: AJIT KUMAR ALOK

Designation : Dy.CEE-C-ADI