

**RE/NJP-ELECTRICAL/CORE
TENDER DOCUMENT**

Tender No: KGRE-EL-NJP-TENDER-19-25

Closing Date/Time: 13/01/2020 12:00

Dy CEE/RE/NJP acting for and on behalf of The President of India invites E-Tenders against Tender No **KGRE-EL-NJP-TENDER-19-25** Closing Date/Time 13/01/2020 12:00 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 kV, 50 Hz, Single Phase, AC, Electrification including OHE " in New Jalpaiguri (excl) - Siliguri Jn.(incl) & Loco shed at Siliguri Diesel Shed Section of Gr.150(extension) of Katihar Division, N. F. Railway under RE Project New Jalpaiguri, Total 8 RKM/ 20 TKM.		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	13/01/2020 12:00	Date Time Of Uploading Tender	14/12/2019 16:11
Pre-Bid Required	No	Pre-Bid Query Date Time	Not Applicable
Advertised Value	60397554.75	Tendering Section	ELECTRICAL
Bidding Style	Single Rate for Each Schedule Item	Bidding Unit	
Earnest Money (Rs.)	452000.00	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	30/12/2019	Are Joint Venture (JV) firms allowed to bid	No
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 101-OHE							60397554.75	
1	Please see Item Breakup for details.				1422861.60	118.07	3102834.29	Above/ Below/Par
	Item Description:- Section-1(General)							
2	Please see Item Breakup for details.				3542835.00	176.64	9800898.74	Above/ Below/Par
	Item Description:- Section-2(a)(Concrete)							
3	Please see Item Breakup for details.				21591130.85	78.69	38581191.72	Above/ Below/Par
	Item Description:- Section-3(Ferrous)							
4	Please see Item Breakup for details.				3589243.00	82.41	6547138.16	Above/ Below/Par
	Item Description:- Section-4(a)(Other Non-Ferrous)							
5	Please see Item Breakup for details.				1268292.23	86.51	2365491.84	Above/ Below/Par
	Item Description:- Section-5 (Insulator)							

3. ITEM BREAKUP

Schedule	Schedule 101-OHE					
Item- 1	Section-1(General)					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
		Preparation of designs and drawings for overhead equipment and verification of purchaser's pegging plan.				
1	01010102	Erection	Per Track KM	20.00	9344.00	186880.00

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		Preparation of designs and drawings for switching stations (FP/SP/SSP)				
2	01010202	Erection	Each	1.00	16051.00	16051.00
		Supply without insulator and erection of mounting arrangements for span wire.				
3	01010301	Materials	Each	11.00	3199.00	35189.00
4	01010302	Erection	Each	11.00	434.00	4774.00
		Marking/painting of temperature & 'Y'- Measurement of OHE mast at BWA locations				
5	01010402	Erection	Each	40.00	62.00	2480.00
		Supply without insulator and erection of material for termination of Single conductor of Over head equipment or terminating wire.				
6	01010501	Materials	Each	4.00	2411.00	9644.00
7	01010502	Erection	Each	4.00	408.00	1632.00
		Supply without Insulator and erection of material for termination of all aluminium 25KV Feeder / return conductor (Single SPIDER)				
8	01010601	Materials	Each	1.00	3043.00	3043.00
9	01010602	Erection	Each	1.00	408.00	408.00
		Supply without insulator and erection of materials for termination of tramway type OHE (Regulated)				
10	01010701	Materials	Each	6.00	1816.00	10896.00
11	01010702	Erection	Each	6.00	408.00	2448.00
		Supply without insulator and erection of materials for termination of copper cross feeder with gantries.				
12	01010801	Materials	Set	1.00	2895.00	2895.00
13	01010802	Erection	Set	1.00	408.00	408.00
		Supply without insulator and erection of anti-creep with Cadmium copper catenary wire suitable for tramway type OHE (Regulated) in polluted area				
14	01011001	Materials	Each	2.00	2719.00	5438.00
15	01011002	Erection	Each	2.00	1317.00	2634.00
		Supply without Insulator and erection of cut-in (9Tonne) Insulator				
16	01011101	Materials	Each	40.00	688.00	27520.00
17	01011102	Erection	Each	40.00	283.00	11320.00
		Supply without Insulator and erection of a suspension (9 Tonne) Insulator				
18	01011201	Materials	Each	16.00	713.00	11408.00
19	01011202	Erection	Each	16.00	168.00	2688.00
		Supply without Insulator and erection of 25 kV Post Insulator				
20	01011301	Materials	Each	52.80	515.00	27192.00
21	01011302	Erection	Each	52.80	112.00	5913.60
		Extra for special embedment of earth electrode.				
22	01011602	Erection	Each	12.00	679.00	8148.00
		Supply & Erection of 25kV Vacuum type Interrupter				
23	01011801	Materials	Each	2.00	173491.00	346982.00
24	01011802	Erection	Each	2.00	1913.00	3826.00
		Supply and Erection of 25kV Potential Transformers Type-I				
25	01011901	Materials	Each	2.00	44466.00	88932.00
26	01011902	Erection	Each	2.00	429.00	858.00
		Supply and Erection of 42KV Lightning Arrestors (station class)				

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27	01012001	Materials	Each	2.00	15119.00	30238.00
28	01012002	Erection	Each	2.00	278.00	556.00
		Supply and Erection of Terminal Boards in control cubicles.				
29	01012201	Materials	Each	1.00	5061.00	5061.00
30	01012202	Erection	Each	1.00	204.00	204.00
		Supply and Erection of an Iron clad 110 V.D.C Fuse Box.				
31	01012301	Materials	Each	1.00	1593.00	1593.00
32	01012302	Erection	Each	1.00	47.00	47.00
		Supply and erection of an Iron clad 230 V.A.C Fuse Box.				
33	01012401	Materials	Each	1.00	1762.00	1762.00
34	01012402	Erection	Each	1.00	47.00	47.00
		Supply and Erection of Lead Acid Batteries.				
35	01012501	Materials	Each	1.00	42715.00	42715.00
36	01012502	Erection	Each	1.00	3065.00	3065.00
		Supply and Erection of Battery chargers.				
37	01012601	Materials	Each	1.00	41587.00	41587.00
38	01012602	Erection	Each	1.00	418.00	418.00
		Supply and Installation of cables for Control and indication circuit				
39	01012701	Materials	Metre	25.00	201.00	5025.00
40	01012702	Erection	Metre	25.00	7.00	175.00
		Supply and Installation of cables for Heater supply				
41	01012801	Materials	Metre	25.00	95.00	2375.00
42	01012802	Erection	Metre	25.00	7.00	175.00
		Supply and Installation of cables for Catenary indication				
43	01012901	Materials	Metre	60.00	137.00	8220.00
44	01012902	Erection	Metre	60.00	7.00	420.00
		Supply and Installation of cables for L.T. Power supply				
45	01013001	Materials	Metre	20.00	217.00	4340.00
46	01013002	Erection	Metre	20.00	10.00	200.00
		Supply and Installation of cables for 110V D.C. supply				
47	01013101	Materials	Metre	25.00	137.00	3425.00
48	01013102	Erection	Metre	25.00	10.00	250.00
		Supply, Erection, oil- filtration, testing and commissioning of L.T. supply transformers (10 kVA).				
49	01013201	Materials	Each	4.00	27426.00	109704.00
50	01013202	Erection	Each	4.00	4572.00	18288.00
		Supply, Erection, oil- filtration, testing and commissioning of L.T. supply transformers (5 kVA).				
51	01013301	Materials	Each	1.00	22971.00	22971.00
52	01013302	Erection	Each	1.00	4572.00	4572.00
		Supply without Insulator & erection of 25 kV D.O. fuse switch.				
53	01013601	Materials	Each	5.00	4934.00	24670.00
54	01013602	Erection	Each	5.00	239.00	1195.00
		Modification to erected equipment's:- Transfer of equipment from one mast or support to another.				
55	01013902	Erection	Each	10.00	1179.00	11790.00
		Modification to erected equipment's:- Provision of an additional bracket assembly/ assemblies on a mast or support.				

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56	01014002	Erection	Each	5.00	1047.00	5235.00
		Modification to erected equipment's:- Dismantling of overhead equipment.				
57	01014202	Erection	Kilometre	10.00	6222.00	62220.00
		Modification to erected equipment's:- Dismantling of Feeder/ Return Conductor				
58	01014302	Erection	Kilometre	1.00	2697.00	2697.00
		Modification to erected equipment's:- Splicing & extension of an anchored overhead equipment.				
59	01014402	Erection	Each	5.00	1156.00	5780.00
		Modification to erected equipment's:- Dismantling of a Section Insulator Assembly				
60	01014502	Erection	Each	5.00	1156.00	5780.00
		Modification to erected equipment's:- Dismantling of an Isolator				
61	01014702	Erection	Each	2.00	627.00	1254.00
		Modification to erected equipment's:- Dismantling of a Post/ Pedestal Insulator.				
62	01014802	Erection	Each	5.00	204.00	1020.00
		Manning of Switching stations (SP/SSP)				
63	01014902	Erection	Each/month	8.00	19148.00	153184.00
		Supply and Erection of materials for internal and external lighting of Switching Station Building (SP/SSP).				
64	01015102	Erection	Each	1.00	16416.00	16416.00
		Unloading of all type of Steel Structures.				
65	01015202	Erection	MT	20.00	61.00	1220.00
		Loading of all type of Steel Structures.				
66	01015302	Erection	MT	20.00	113.00	2260.00
		Unloading of all type of Copper & Aluminium conductors.				
67	01015402	Erection	MT	10.00	55.00	550.00
		Loading of all type of Copper & Aluminium conductors.				
68	01015502	Erection	MT	10.00	55.00	550.00
					Total	1422861.60
Item- 2	Section-2(a)(Concrete)					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
		In other than hard soil and rock (for concrete mix of M 10 and M 15 Grade in Foundation)				
1	02010501	Materials	cum	1223.00	2140.00	2617220.00
2	02010502	Erection	cum	1223.00	566.00	692218.00
		Supply of materials and costruction of Super Structure of SP/SSP building (Control cubicles)				
3	02011002	Erection	Each	1.00	81393.00	81393.00
		Cement concrete for foundation with stone ballast 40mm nominal size				
4	02011102	Erection	cum	13.00	1360.00	17680.00
		RCC work for foundation and plinth in ratio 1:1½:3.				
5	02011202	Erection	cum	11.00	2211.00	24321.00
		Brick work in foundation plinth, retaining walls and drainage.				
6	02011302	Erection	cum	50.00	1203.00	60150.00
		Construction of retaining wall with random rubble masonry in cement & sand.				
7	02011402	Erection	cum	10.00	931.00	9310.00

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		Earth work in excavation and filling including compaction (i) In normal soil				
8	02011502	Erection	cum	225.00	26.00	5850.00
		Earth work, excavation for foundation (i) In normal soil				
9	02011702	Erection	cum	60.00	25.00	1500.00
		Excavation of pile of 100 mm to 200 mm dia upto 3.5M deep.				
10	02011902	Erection	Metre	1.00	43.00	43.00
		Plastering of retaining wall with 1:4 cement & sand mortar.				
11	02012002	Erection	Sqm	100.00	36.00	3600.00
		Reinforced concrete for foundation and plinth (grade M-15)				
12	02012101	Materials	cum	5.00	2296.00	11480.00
13	02012102	Erection	cum	5.00	566.00	2830.00
		Construction of retaining/baffle wall with reinforcement cement concrete (Grade M-20)				
14	02012301	Materials	cum	5.00	2569.00	12845.00
15	02012302	Erection	cum	5.00	479.00	2395.00
					Total	3542835.00
Item- 3	Section-3(Ferrous)					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
		Supply & Erection of traction masts, main masts of switching stations, Booster transformer station, fabricated from Rolled mild steel joist (RSJ) of size 203mm x 152 mm x 52.0 Kg/m and galvanised in lengths 9.5 m or 8.5 m long.				
1	03010201	Materials	MT	16.48	42491.00	700251.68
2	03010202	Erection	MT	16.48	1037.00	17089.76
		Supply and erection of fabricated and galvanised structures (O,N & R type portals) with all necessary components other than masts.				
3	03010301	Materials	MT	72.00	53854.00	3877488.00
4	03010302	Erection	MT	72.00	3546.00	255312.00
		Supply and erection of Structure steel (traction masts) fabricated and galvanised of all Type : B-Series Mast.				
5	03010401	Materials	MT	71.68	45423.00	3255920.64
6	03010402	Erection	MT	71.68	1037.00	74332.16
		Supply & Erection of special fabricated and galvanised steel structures other than Portals & traction- Masts not covered under items 3(b)(i) & 3(b)(ii).				
7	03010501	Materials	MT	104.89	47703.00	5003567.67
8	03010502	Erection	MT	104.89	3546.00	371939.94
		Supply only of fabricated steel other than masts				
9	03010601	Materials	MT	24.00	66257.00	1590168.00
		Supply and erection of a Guy Rod Assembly				
10	03010701	Materials	Each	80.00	4086.00	326880.00
11	03010702	Erection	Each	80.00	473.00	37840.00
		Supply and erection of 25KV Caution Boards/Plates.				
12	03010901	Materials	Each	95.00	131.00	12445.00
13	03010902	Erection	Each	95.00	42.00	3990.00
		Supply without insulator and erection of Single bracket assembly.				
14	03011001	Materials	Each	475.00	5734.00	2723650.00
15	03011002	Erection	Each	475.00	429.00	203775.00

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		Extra on 4 (a)(i) for supporting two OHEs.				
16	03011101	Materials	Each	6.00	1268.00	7608.00
17	03011102	Erection	Each	6.00	129.00	774.00
		Supply without Insulator and erection of Single bracket assembly suitable for tramway type OHE (Regulated)				
18	03011201	Materials	Each	51.00	4705.00	239955.00
19	03011202	Erection	Each	51.00	429.00	21879.00
		Extra on item 4(a)(iii) for supporting two tramway type OHE (Regulated)				
20	03011301	Materials	Each	2.00	1424.00	2848.00
21	03011302	Erection	Each	2.00	129.00	258.00
		Supply without Insulator and erection of a pull off arrangement for one OHE				
22	03011501	Materials	Each	10.00	4848.00	48480.00
23	03011502	Erection	Each	10.00	267.00	2670.00
		Supply without Insulator and erection of a pull off arrangement for regulated tramway type OHE.				
24	03011701	Materials	Each	4.00	2744.00	10976.00
25	03011702	Erection	Each	4.00	212.00	848.00
		Supply and erection of Regulating Equipment (3-Pulley type) with counter weight assembly for conventional/ composite OHE.				
26	03012001	Materials	Each	36.00	32186.00	1158696.00
27	03012002	Erection	Each	36.00	1764.00	63504.00
		Supply and erection of Regulating Equipment (3-Pulley type) with counter weight assembly for tramway type OHE (Regulated)				
28	03012101	Materials	Each	6.00	24282.00	145692.00
29	03012102	Erection	Each	6.00	1485.00	8910.00
		Supply without Insulator and erection of materials for termination of Double conductor.				
30	03012401	Materials	Each	42.00	4185.00	175770.00
31	03012402	Erection	Each	42.00	469.00	19698.00
		Supply without Insulator and erection of anticreep with galvanized steel wire.				
32	03012701	Materials	Each	18.00	10740.00	193320.00
33	03012702	Erection	Each	18.00	1317.00	23706.00
		Supply without Insulator and erection of anticreep with galvanized steel wire suitable for tramway type Overhead equipment (Regulated)				
34	03012801	Materials	Each	1.00	9204.00	9204.00
35	03012802	Erection	Each	1.00	1317.00	1317.00
		Extra on item 13(a), (b) or (c) for an inter-locking device				
36	03013001	Materials	Each	14.00	916.00	12824.00
37	03013002	Erection	Each	14.00	108.00	1512.00
		Supply and erection of a structure bond.				
38	03013201	Materials	Each	540.00	528.00	285120.00
39	03013202	Erection	Each	540.00	131.00	70740.00
		Supply and erection of a Galvanised steel stranded wire structure bond				
40	03013301	Materials	Each	2.00	1511.00	3022.00
41	03013302	Erection	Each	2.00	131.00	262.00
		Supply and erection of a longitudinal bond				
42	03013401	Materials	Each	240.00	298.00	71520.00

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43	03013402	Erection	Each	240.00	117.00	28080.00
		Supply & erection of a transverse and special bond.				
44	03013501	Materials	Each	62.00	679.00	42098.00
45	03013502	Erection	Each	62.00	140.00	8680.00
		Supply & erection of a single earth electrode.				
46	03013601	Materials	Each	62.00	1191.00	73842.00
47	03013602	Erection	Each	62.00	498.00	30876.00
		Supply and erection of earth bus				
48	03013701	Materials	Metre	478.00	126.00	60228.00
49	03013702	Erection	Metre	478.00	35.00	16730.00
		Supply and erection of 8 SWG G.I. wire for earthing				
50	03013801	Materials	Metre	16.00	11.00	176.00
51	03013802	Erection	Metre	16.00	9.00	144.00
		Supply and erection of fencing panels at switching stations.				
52	03013901	Materials	Metre	40.00	2298.00	91920.00
53	03013902	Erection	Metre	40.00	39.00	1560.00
		Supply and erection of anticlimbing device for Switching stations				
54	03014101	Materials	Metre	40.00	153.00	6120.00
55	03014102	Erection	Metre	40.00	4.00	160.00
		Supply and erection of anticlimbing device for L.T. Supply Transformer Stations.				
56	03014301	Materials	Each	4.00	635.00	2540.00
57	03014302	Erection	Each	4.00	148.00	592.00
		Supply and erection of anti monkey menace.				
58	03014401	Materials	Each	40.00	2534.00	101360.00
59	03014402	Erection	Each	40.00	148.00	5920.00
		Supply of reinforcement for RCC including cutting, straightening, bending, binding, erecting and placing and keeping in position including all lead and lift and including cost of binding wire				
60	03014501	Materials	MT	2.00	42171.00	84342.00
					Total	21591130.85
Item- 4	Section-4(a)(Other Non-Ferrous)					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
		Supply and erection of span wire.				
1	04010101	Materials	Metre	550.00	498.00	273900.00
2	04010102	Erection	Metre	550.00	23.00	12650.00
		Supply and erection of Over Head equipment only				
3	04010301	Materials	Kilometre	22.00	46757.00	1028654.00
4	04010302	Erection	Kilometre	22.00	13521.00	297462.00
		Supply and Erection of contact wire only (Regulated with bridle wire)				
5	04010501	Materials	Kilometre	2.00	27230.00	54460.00
6	04010502	Erection	Kilometre	2.00	7944.00	15888.00
		Supply and Manual Erection of all aluminium 25KV Feeder/ Return conductor (Single Spider)				
7	04010801	Materials	Kilometre	1.00	87846.00	87846.00
8	04010802	Erection	Kilometre	1.00	2476.00	2476.00
		Extra on item 6(az) for supply and erection of additional fittings at a turn-out, diamond crossing or overlap				
9	04011001	Materials	Each	110.00	3096.00	340560.00
10	04011002	Erection	Each	110.00	541.00	59510.00

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		Extra on item 6(cz) & (dz) for supply and erection of additional fittings required at a turnout, diamond crossing or overlap.				
11	04011201	Materials	Each	30.00	5552.00	166560.00
12	04011202	Erection	Each	30.00	541.00	16230.00
		Supply without Insulator & erection of a section insulator assembly				
13	04011301	Materials	Each	8.00	16405.00	131240.00
14	04011302	Erection	Each	8.00	1406.00	11248.00
		Supply without Insulator & erection of a section insulator assembly suitable for tramway type OHE (Regulated)				
15	04011501	Materials	Each	6.00	16295.00	97770.00
16	04011502	Erection	Each	6.00	1249.00	7494.00
		Supply & Erection of a Ceramic/beaded Glass Fibre type (PTFE) Short Neutral section assembly				
17	04011601	Materials	Each	1.00	263409.00	263409.00
18	04011602	Erection	Each	1.00	2174.00	2174.00
		Supply without Insulator and erection of a 25 KV single pole isolator without earth contact assembly.				
19	04011701	Materials	Each	13.00	18104.00	235352.00
20	04011702	Erection	Each	13.00	1302.00	16926.00
		Supply without Insulators & erection of 25kV Double Pole Isolator.				
21	04011901	Materials	Each	1.00	29523.00	29523.00
22	04011902	Erection	Each	1.00	1438.00	1438.00
		Extra for supply & erection of an earth contact assembly in an Isolator.				
23	04012001	Materials	Each	6.00	6025.00	36150.00
24	04012002	Erection	Each	6.00	150.00	900.00
		Supply & erection of large copper jumpers				
25	04012101	Materials	Each	32.00	2508.00	80256.00
26	04012102	Erection	Each	32.00	236.00	7552.00
		Supply & erection of small copper jumpers				
27	04012201	Materials	Each	141.00	294.00	41454.00
28	04012202	Erection	Each	141.00	236.00	33276.00
		Supply & erection of copper jumpers				
29	04012301	Materials	Each	7.00	92.00	644.00
30	04012302	Erection	Each	7.00	236.00	1652.00
		Supply & erection of a copper jumper (5mm dia droper wire).				
31	04012401	Materials	Each	5.00	804.00	4020.00
32	04012402	Erection	Each	5.00	236.00	1180.00
		Supply of materials and erection of Large copper jumper 160 Sq. mm between Aluminium bus and cross feeders				
33	04012701	Materials	Each	2.00	3154.00	6308.00
34	04012702	Erection	Each	2.00	236.00	472.00
		Supply of materials and erection of Large copper jumper 160 Sq. mm between cross feeder and OHE				
35	04012801	Materials	Each	2.00	4801.00	9602.00
36	04012802	Erection	Each	2.00	236.00	472.00
		Supply and erection of copper strips for equipment earthing.				
37	04012901	Materials	Metre	14.00	271.00	3794.00
38	04012902	Erection	Metre	14.00	32.00	448.00

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		Supply & erection of : Aluminum bus-bars 36mm x 28mm.				
39	04013001	Materials	Metre	90.00	195.00	17550.00
40	04013002	Erection	Metre	90.00	31.00	2790.00
		Supply & erection of Solid copper bus-bars 18mm.:				
41	04013101	Materials	Metre	80.00	879.00	70320.00
42	04013102	Erection	Metre	80.00	44.00	3520.00
		Supply and erection of Aluminum bus-bar connectors:- Bus terminal (6480)				
43	04013201	Materials	Each	18.00	1341.00	24138.00
44	04013202	Erection	Each	18.00	19.00	342.00
		Supply and erection of Aluminum bus-bar connectors:- Bus splice (6490)				
45	04013301	Materials	Each	10.00	1482.00	14820.00
46	04013302	Erection	Each	10.00	19.00	190.00
		Supply and erection of Aluminum bus-bar connectors:- Bus tee connector (6500)				
47	04013401	Materials	Each	4.00	1495.00	5980.00
48	04013402	Erection	Each	4.00	17.00	68.00
		Supply and erection of Aluminum bus-bar connectors:- Terminal connector 36/20 (6530)				
49	04013501	Materials	Each	4.00	1349.00	5396.00
50	04013502	Erection	Each	4.00	17.00	68.00
		Supply and erection of Aluminum bus-bar connectors:- Tap connector (6520)				
51	04013601	Materials	Each	1.00	1349.00	1349.00
52	04013602	Erection	Each	1.00	19.00	19.00
		Supply and erection of Aluminum bus-bar connectors:- Flexible bus splice (6550)				
53	04013701	Materials	Each	1.00	3924.00	3924.00
54	04013702	Erection	Each	1.00	19.00	19.00
		Supply and erection of Aluminum bus-bar connectors:- Terminal connector Bolted Type (6830-1)				
55	04013801	Materials	Each	6.00	1067.00	6402.00
56	04013802	Erection	Each	6.00	17.00	102.00
		Supply & erection of solid copper bus-bar connectors: Bus terminal (6310)				
57	04013901	Materials	Each	8.00	888.00	7104.00
58	04013902	Erection	Each	8.00	19.00	152.00
		Supply & erection of solid copper bus-bar connectors: Bus splice (6320)				
59	04014001	Materials	Each	8.00	980.00	7840.00
60	04014002	Erection	Each	8.00	19.00	152.00
		Supply & erection of solid copper bus-bar connectors: Bus tee joint (6330)				
61	04014101	Materials	Each	8.00	2664.00	21312.00
62	04014102	Erection	Each	8.00	19.00	152.00
		Supply & erection of solid copper bus-bar connectors: Bus terminating tee (6351)				
63	04014201	Materials	Each	8.00	1804.00	14432.00
64	04014202	Erection	Each	8.00	19.00	152.00
					Total	3589243.00
Item- 5	Section-5 (Insulator)					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount

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		Supply of 9-Tonne insulators for item 9(a), (b), (c), (d) & (e)- Composite (CD-1050 mm)				
1	06011701	Materials	Set	19.00	2481.22	47143.18
		Supply of 9-Tonne insulators for item 9(a), (b), (c), (d) & (e)- Composite (CD-1600 mm)				
2	06011801	Materials	Set	4.00	4587.12	18348.48
		Supply of 9-Tonne Insulator for item 11(a)(i) & 11(a)(ii)- Porcelain (CD-1050 mm)				
3	06011901	Materials	Each	184.00	1962.33	361068.72
		Supply of 9-Tonne Insulator for item 11(a)(i) & 11(a)(ii) - Composite (CD-1050 mm)				
4	06012001	Materials	Each	290.00	1240.61	359776.90
		Supply of 25 kV Post Insulator for Item 11 (b)				
5	06012201	Materials	Each	52.80	3947.24	208414.27
		Supply of 9 Tonne and Sectioning Insulators for item No.12(a)- Composite 9-Tonne (CD-1050 mm) & Sectioning Insulator				
6	06012601	Materials	Set	8.00	5892.71	47141.68
		Supply of Sectioning Insulators for 12(c) and 12(cz)				
7	06013101	Materials	Each	7.00	4652.00	32564.00
		Supply of Post & Operating rod insulators for item 13(a)				
8	06013201	Materials	Set	13.00	10291.00	133783.00
		Supply of Post & Operating rod insulators for item 13(c)				
9	06013401	Materials	Set	1.00	20582.00	20582.00
		Supply of Post insulators for item 28				
10	06013501	Materials	Set	5.00	7894.00	39470.00
					Total	1268292.23

4. ELIGIBILITY CONDITIONS

Special 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)

Special 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: 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 each costing not less than the amount equal to 60% of advertised value of the tender. The Tender must have experience of OHE work via. Design, Supply, Erection, Testing & Commissioning of 25 kV, 50 Hz, AC, Single phase, Traction Overhead Equipments, Switching Stations and LT Supply Transformer Stations including foundations, structures and all Ancillary Equipments.	No	No	Allowed (Mandatory)

Submission of Affidavit

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading

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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)
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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)
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)
3	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
1	In Standard Technical Criteria, it should be noted that S.No.1.1, 1.2 & 1.3 are part of S.No.1, hence required documents if any for S.No.1.1, 1.2 & 1.3 may be uploaded as per S.No.1	No	No	Not Allowed
2	Rates are inclusive GST/CGST/IGST/SGST/UTGST, license fee, royalty charges etc. legally leviable by State, Central Govt. and/or any other local authority.	No	No	Not Allowed
3	Payment of each group of items shall be on the basis of rates indicated in above tables duly modified by percent above/below/at par accepted by Railway Administration.	No	No	Not Allowed
4	GST, Royalty etc. will be received as per extant instruction on the subject.	No	No	Not Allowed
5	Tenderers intending to participate in the e-tender must make payment of the Cost of Tender Document and Earnest Money through net banking or payment gateway. A scanned copy of the money receipts to be uploaded along with the tender in IREPS Portal.	No	No	Not Allowed
6	Tender must be submitted online through the website www.ireps.gov.in on and before the time and date specified in NIT for closing. No manual offers shall be received for this tender.	No	No	Not Allowed
7	Opening of e-tender online:- The e-tenders will be opened online using the IREPS portal. No representative is required to be present for opening of tender and taking notes of rates quoted and ranking as the complete details of rates etc. of all the bidders shall be available to the bidders in the website after the opening of the tender.	No	No	Not Allowed
8	In case the date of closing mentioned in the Notice Inviting Tender is declared a holiday/Bandh/strike on any account, the date of closing tender online will not be changed as the application in the website of IREPS does not permit submission of any offer after closing date and time of the tender.	No	No	Not Allowed
9	Eligibility criteria for works tender in respect of partnership firms:-	No	No	Not Allowed
9.1	During the currency of the contract, no partner of the firm shall be permitted to withdraw from partnership business and in such and event it shall be treated as breach of trust and abandonment of the contract.	No	No	Not Allowed
9.2	JOINT VENTURE will not be permitted for the tenders.	No	No	Not Allowed
9.3	Any Conditional offer will be summarily rejected	No	No	Not Allowed

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9.4	In case the tenderer is a partnership firms, the experience, solvency and turn over shall be in the name and style of the firm only.	No	No	Not Allowed
9.5	If the tenderer is a partnership firm, all the partners shall be jointly and severally liable for successful completion of the work and no request for change on the certification of the firm shall be entertained.	No	No	Not Allowed
10	Note for Commercial Compliance:-	No	No	Not Allowed
10.1	Certificates from private individuals for whom such works are executed being executed is not acceptable.	No	No	Not Allowed
10.2	For Standard Financial Criteria and Standard Technical Criteria - Tenderers are required to submitted authenticated certificate along with the tenders from officers of government or semi-government/public sector undertakings under whom the work has been executed indicating there in the name of work executed, value of works/payment details and period during which completed. Such certificates should have signature and seal of the concerned officer. In the absence of such certificate the tender may not be considered.	No	No	Not Allowed
11	Payment of each group of items shall be on the basis of rates indicated in above tables duly modified by percent above/below/at par accepted by Railway Administration.	No	No	Not Allowed
12	Tenderers will examine the various provisions of the Central Goods and Services Tax Act 2017(CGST/Integrated Goods and Services Tax Act, 2017(IGST)/Union Territory Goods and Services Tax Act,2017(UTGST)/respective state's State Goods and Services 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 to Input Tax likely to be availed by them is duly considered while quoting rates. Offered rates of each group of items shall be considered to include all Taxes, Octroi, cost of Labour, T P, Machinery, Vehicles, Lift, Ascent, Descent etc. complete. No compensation of any account will be paid except the accepted rates.	No	No	Not Allowed
13	Every possible fluctuation, in the rate of labour, material and general commodities and other possibilities of each and every kind which may affect the rates should be considered and kept in view before quoting the rates. No claim on this account shall be entertained by the Railway under any circumstances except the price escalation payable as per price variation clause, if any, provided separately in the tender documents.	No	No	Not Allowed
14	Additional conditions or stipulations if any must be made by the tenderer/s in a covering letter with the tender. The Railway reserves the right not to consider conditional tenders and reject the same without assigning any reason. Only those additional conditions, which are explicitly accepted by the Railway, shall form part of the contract.	No	No	Not Allowed

Technical-Compliances

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	TENDERER'S CREDENTIALS FOR OHE WORKS: for OHE, give details of your previous experience on installation of similar equipment and the details of present work load in the proforma given in Form-12A, Sheet-1 & 12A, Sheet-2.	No	No	Allowed (Mandatory)
2	A digitally signed pdf copy of Tender Document is required to be uploaded by Bidder in token of his having studied the Tender Papers carefully.	No	No	Allowed (Mandatory)
3	Give details of Engineering organisation, Technical Capabilities, Design and Drawing Capabilities in Form-12A, Sheet-3.	No	No	Allowed (Mandatory)
4	Give details of construction machinery, Tools and plants, Vehicles etc in Form-12A, Sheet-4.	No	No	Allowed (Mandatory)
5	SCHEDULE OF WORK for OHE: The Tenderer shall enclose with his offer the scheme of work and realistic time schedule (Form-10, Sheet-1 & 2) on graph paper showing the period of time that he will take for the various items of work listed therein for each section separately. Each section would be 20 TKMs approximately and the priority of the sections for completion of work would be given by the purchaser. The tenderer shall indicate in the form of notes to the schedule the assumptions and the basis adopted for the preparation of the time schedule.	No	No	Allowed (Optional)
6	Declaration to be submitted regarding NAME OF MANUFACTURER/S, PLACES OF MANUFACTURE & INSPECTION of supplies(CORE/RDSO APPROVED SOURCES)in Form-11(A)	No	No	Allowed (Mandatory)

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7	Declaration to be submitted regarding NAME OF MANUFACTURER, PLACES OF MANUFACTURE & INSPECTION of supplies(other than CORE/RDSO APPROVED SOURCES)in Form-11(B)	No	No	Allowed (Mandatory)
8	Alternative Proposal (Form-4): Should the Tenderers have alternative proposals for basic arrangements, typical designs and specifications drawings for components and materials (See Para 1.1.10) which the Tenderer considers would improve the operating performance of the equipment or would reduce the cost of the equipment, he shall incorporate them in the Tender for consideration by the Purchaser Form-4. He shall clearly indicate in detail the technical and /or financial advantages which would accrue to the Purchaser, specifically for each alternative proposal suggested by him.	No	No	Allowed (Mandatory)
9	In support of Financial Eligibility Criteria (Form 12A, Sheet-5): Bidder is required to submit in support of Financial Eligibility Criteria, Contract amount received during the last three financial years and in the current financial year as per audited balance sheet duly certified by Chartered Accountant	No	No	Allowed (Mandatory)
10	In support of Bid Capacity (Form-12D), Tenderer is required to submit in support of Bid Capacity as per the format of Form-12D, duly verified by Chartered Accountant.	No	No	Allowed (Mandatory)
11	Form-24 (For payment through NEFT/RTGS etc.): Tenderers are required to submit their bank details in the proforma given in FORM-24 to facilitate payment vide NEFT/RTGS	No	No	Allowed (Mandatory)
12	TENDERER'S CREDENTIALS FOR OHE WORKS: for OHE, give details of your previous experience on installation of similar equipment and the details of present work load in the proforma given in Form-12A, Sheet-1 & 12A, Sheet-2.	No	No	Allowed (Optional)

Undertakings

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	I/We have visited the works site and I/We am/are aware of the site conditions.	No	No	Not Allowed
2	AND WHEREAS I/We, have read the above NIT (Notice Inviting Tender) for e-tender, General Instruction, Special Condition-General, all special conditions and have purchased this e-tender document, have carefully read and understood the same, have visited the site and have satisfied myself/ourselves as to the nature of the work and site conditions before filling this e-tender.	No	No	Not Allowed
3	AND WHEREAS my/our address for all communications here in after shall be considered as official and shall be made in the address, e-mail ID and Mobile phone and other phone nos. given in the portal of IREPS while registering as tenderer for e-tender. In case of any change in this concerned officer of Railway will be informed.	No	No	Not Allowed
4	AND WHEREAS I/We have read and understood this e-tender document digitally by virtue of the legal authorities vested with me/us to enter into commitment on behalf of the tenderer, documentary support whereof is enclosed herewith.	No	No	Not Allowed
5	AND WHEREAS I/We have read and understood this e-tender document and agree to abide by the various terms & conditions obtained therein. I/We also agree to keep the offer open for acceptance for a period of 45 days from the date fixed for opening of the same and in default hereof, I/We will be liable for forfeiture of my/our earnest money.	No	No	Not Allowed
6	Now, thereof I/We hereby submit this e-tender and offer to do the work for the Railway Electrification Organisation of Electrical Department at the rates quoted in the schedule through online and hereby bind myself/ourselves to complete the work in all respects within the stipulated period of completion from the date of issue of the Letter of Acceptance (LOA) of this tender.	No	No	Not Allowed
7	And I/We agree to produce the details of the uploaded documents whenever demanded for verification on written request at any point of time of the tender and contract within 7 days.	No	No	Not Allowed
8	I/We hereby Confirm that the rates, rebates and/or other financial terms, if any, quoted by us in the relevant fields of the Financial Bid page will only be the ruling terms for deciding the inter-se ranking, and any such condition having financial repercussions, if quoted by us anywhere else including attached documents shall not be considered for deciding inter-se ranking. However, Railways shall have the right to incorporate any such condition quoted by us, in the contract, at their discretion, if contract is placed on us.	No	No	Not Allowed

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9	I/We offer to do the work at the rates quoted in the tender schedule and hereby bind myself / ourselves to complete the work in all respects within the quoted period of completion, from the date of issue of letter of acceptance of tender.	No	No	Not Allowed
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6. Documents attached with tender

S.No.	Document Name	Document Description
1	TENDERDOCUMENTGR-150EXTN._compressed.pdf	TENDER DOCUMENT GR150 EXTENSION
2	NITENGLISH_2.pdf	NIT ENGLISH

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: NIHAR RANJAN CHAKRABORTY

Designation : AEERE/NJP