

**PIU-NAGPUR-ELECTRICAL/RVNL
TENDER DOCUMENT**

Tender No: YTL_NED_PKGIIC_TRL_MODI

Closing Date/Time: 16/07/2026 11:00

GGM/Electrical/RVNL/NGP acting for and on behalf of The President of India invites E-Tenders against Tender No **YTL_NED_PKGIIC_TRL_MODI** Closing Date/Time 16/07/2026 11:00 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	Supply, Erection, Testing and Commissioning of 220 KV and 132 KV Transmission Lines modification/diversion/shifting works for Package-IIIC section between Km:169 to Km.190, which are infringing the Yavatmal-Nanded New Broad Gauge Line in the state of Maharashtra, India		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Two Packet System
Tender Closing Date Time	16/07/2026 11:00	Date Time Of Uploading Tender	18/06/2026 13:45
Pre-Bid Conference Required	Yes	Pre-Bid Conference Date Time	02/07/2026 15:30
Advertised Value	433934276.44	Tendering Section	ELECTRICAL
Bidding Style	Single Rate for Each Schedule	Bidding Unit	
Earnest Money (Rs.)	8678700.00	Validity of Offer (Days)	120
Tender Doc. Cost (Rs.)	0.00	Period of Completion	18 Months
Contract Type	Works - General	Contract Category	Expenditure
Bidding Start Date	10/07/2026		
Are JV allowed to bid	No	Number of JV Member Allowed	0
Are Consortium allowed to bid	No	Number of Consortium Member Allowed	0
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 () 1-220 KV (D/C, S/C & M/C) Transmission Line Supply Items							150330938.80	Above/ Below/Par
1	Please see Item Breakup for details.				150330938.80	AT Par	150330938.80	
	Description:- 220 KV (D/C, S/C & M/C) Transmission Line Supply Items							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 2-220 KV (D/C, S/C & M/C) Transmission Line Erection Items							109239216.45	Above/ Below/Par
2	Please see Item Breakup for details.				109239216.45	AT Par	109239216.45	
	Description:- 220 KV (D/C, S/C & M/C) Transmission Line Erection Items							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 3-132 KV (D/C) Transmission Line Supply Items							17430174.50	Above/ Below/Par
3	Please see Item Breakup for details.				17430174.50	AT Par	17430174.50	
	Description:- 132 KV (D/C) Transmission Line Supply Items							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 4-132 KV (D/C) Transmission Line Erection Items							6258955.39	Above/ Below/Par

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4	Please see Item Breakup for details.				6258955.39	AT Par	6258955.39	
	Description:- 132 KV (D/C) Transmission Line Erection Items							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 5-ERS Hiring and Erection items for 132 KV & 220 KV							54752759.94	Above/ Below/P ar
5	Please see Item Breakup for details.				54752759.94	AT Par	54752759.94	
	Description:- ERS Hiring and Erection items for 132 KV & 220 KV							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 6-Site Facilities							1708486.36	Above/ Below/P ar
6	Please see Item Breakup for details.				1708486.36	AT Par	1708486.36	
	Description:- Site Facilities							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 7-220 KV MONOPOLE ITEMS							94213745.00	Above/ Below/P ar
7	Please see Item Breakup for details.				94213745.00	AT Par	94213745.00	
	Description:- 220 KV MONOPOLE ITEMS							

3. ITEM BREAKUP

Schedule	Schedule 1-220 KV (D/C, S/C & M/C) Transmission Line Supply Items					
Item- 1	220 KV (D/C, S/C & M/C) Transmission Line Supply Items					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
		Supply Of Monopole Tower				
1	011013	Fabrication, Galvanising, Supply at site store of 220 kV D/C, MC towers (Viz. 20 ,150, 300, 600) of normal type, its extensions, including special towers for all type of crossings, with set of stubs, Superstructure, step bolts, U-bolts, D'Shackles, Chain links etc, with all other tower accessories, complete in all respect as per approved design & drawings provided by the Purchaser.	MT	650.00	115606.52	75144238.00
2	011014	Supply at site store of Galvanised Bolts & Nuts with Spring Washers, Plain washers for 220kV Line towers/Structures/Accessories	MT	24.00	191179.10	4588298.40
		Supply of Tower accessories				
3	011021	a) Danger Board	Each	60.00	347.40	20844.00
4	011022	b) Number Plate	Each	60.00	289.14	17348.40
5	011023	c) Phase plates (set of RYB)	Each	120.00	463.18	55581.60
6	011024	d) Circuit Plate (Set of C1,C2)	Each	60.00	480.04	28802.40
7	011025	e) Anti-climbing devices with Barbed wire.	Each	60.00	5681.68	340900.80
		Insulators and hardware:				
8	011031	a) 220 kV 70KN (N) Porcelain insulator	Each	1600.00	931.30	1490080.00
9	011032	b) 220 kV 120KN (N) Porcelain insulator	Each	10080.00	1104.68	11135174.40
		Hardwares suitable for 0.4 ACSR Zebra conductor.				
10	011041	SSN/SSA	Each	120.00	3947.53	473703.60
11	011042	DSN/DSA	Each	10.00	8479.42	84794.20

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12	011043	STN/STA	Each	270.00	4382.75	1183342.50
13	011044	DTN/DTA	Each	300.00	11011.16	3303348.00
Supply of Conductor & Accessories						
14	011051	a) 0.4 Zebra ACSR, copper equivalent conductor including 1% extra for sag, jumpering and wastage	Kilometre	110.00	447507.61	49225837.10
Accessories for 0 . 4 ACSR Zebra conductor						
15	011061	a) Mid Span Joints	Each	100.00	1254.02	125402.00
16	011062	b) Repair Sleeves	Each	50.00	401.14	20057.00
17	011063	c) P. A. rods	Each	123.00	2283.05	280815.15
18	011064	d) Vibration dampers.	Each	800.00	999.26	799408.00
Supply of Earthwire & Accessories:						
19	011071	7/3.15 mm GI Earth wire	Kilometre	20.00	70534.90	1410698.00
20	011072	Suspension Clamp For 7/3.15 mm G.I Earthwire	Each	10.00	940.72	9407.20
21	011073	Tension Clamp for 7/3.15 mm GI Earth wire	Each	130.00	973.14	126508.20
22	011074	Mid Span Joint for 7/3.15 mm GI Earth wire	Each	10.00	248.87	2488.70
23	011075	Copper Earth Bonds	Each	130.00	953.53	123958.90
Supply of OPGW Cable						
24	011081	48C (DWSM) OPGW Cable	Kilometre	1.20	237004.49	284405.39
25	011082	2 Way Joint Box for 48C OPGW	Each	1.00	13112.02	13112.02
26	011083	Vibration Damper for OPGW	Each	12.00	884.65	10615.80
27	011084	Down Lead Clamp for OPGW	Each	4.00	459.78	1839.12
28	011085	Double tension Assembly with JB for 48C OPGW	Set	1.00	9976.64	9976.64
29	011086	Double tension Assembly without JB for 48C OPGW	Set	2.00	9976.64	19953.28
					Total	150330938.80
Schedule Schedule 2-220 KV (D/C, S/C & M/C) Transmission Line Erection Items						
Item- 2 220 KV (D/C, S/C & M/C) Transmission Line Erection Items						
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	021010	Detailed survey including tower spotting and tower profile . Detailed Survey with GPS/Total Station /Digital Theodolite etc..... In all respect & submission of KML files.	Kilometre	5.00	21533.38	107666.90
2	021020	Check survey to carry out the checks as per approved tower profiles, with Digital Theodolite/total station/GPS etc. and location marking by fixing three pegs in alignment for suspension tower and by fixing five pegs in bisection for angle tower, including bush cutting along the centre line of alignment and repege marking if necessary etc. complete. Check survey including revision of profiles if required.	Kilometre	20.00	9104.72	182094.40
3	021040	Excavation of trial pits of Standard dimension of 1mtr*1mtr width upto 3 mtrs depth at 1km interval or where ever there is abnormal change in topography and taking observation of soil strata for classification of foundation and backfilling the trail pits after vetting by Department officials. (Consider the Numbers unit as Per Pit)	Numbers	60.00	5959.00	357540.00

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		Excavation of pits for tower footings in earthsoil of all types including removing of excavated material beyond tower limits up to 50 mtrs. Lead and all lifts, shoring, shuttering, dewatering, preparation of bed for foundation and back filling after casting and curing of foundations with ramming etc. complete as per drawing & direction of Engr. in-charge.				
4	021051	Normal soil	cum	500.00	260.85	130425.00
5	021052	Hard Murrum/Soft Rock	cum	500.00	540.02	270010.00
6	021053	B C Soil/Submurged soil	cum	33000.00	439.44	14501520.00
7	021054	Dry fissured rock	cum	4600.00	1318.32	6064272.00
8	021055	Hard rock by chiseling.	cum	100.00	1702.50	170250.00
		Stub Setting in all type of soil with the help of Stub template/PROP setting including transportation if required to the desired location,fixing the stub in position as per the alignment,jacking,fixing and leveling the templete and the stub as directed by Engr. In charge.220 KV DC Tower				
9	021062	2 Degree +3 mtr	Per location	6.00	8164.54	48987.24
10	021063	2 Degree +9 mtr	Per location	1.00	9463.60	9463.60
11	021064	15 Degree	Per location	1.00	8165.34	8165.34
12	021065	15 Degree +3 mtr	Per location	1.00	8814.88	8814.88
13	021068	30 Degree	Per location	4.00	9466.02	37864.08
14	021069	30 Degree +3 mtr	Per location	2.00	10115.55	20231.10
		Stub Setting in all type of soil with the help of Stub template/PROP setting including transportation if required to the desired location,fixing the stub in position as per the alignment,jacking,fixing and leveling the templete and the stub as directed by Engr. In charge.220 KV DC Tower				
15	021071	30 Degree +6 mtr	Per location	1.00	10765.08	10765.08
16	021073	60 Degree	Per location	9.00	10116.35	91047.15
17	021074	60 Degree +3 mtr	Per location	2.00	10765.89	21531.78
18	021075	60 Degree +6 mtr	Per location	3.00	11415.42	34246.26
19	021076	60 Degree +9 mtr	Per location	1.00	12064.95	12064.95
20	021077	Special Tower (Exceeding +9 Mtr extension)	Per location	10.00	13368.04	133680.40
		Stub Setting in all type of soil with the help of Stub template/PROP setting including transportation if required to the desired location,fixing the stub in position as per the alignment,jacking,fixing and leveling the templete and the stub as directed by Engr. In charge.220 KV MC Tower				
21	021087	30 Degree +3 mtr	Per location	5.00	12572.37	62861.85

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22	021088	30 Degree +6 mtr	Per location	2.00	13221.91	26443.82
23	021089	30 Degree +9 mtr	Per location	1.00	13871.44	13871.44
24	021092	60 Degree +3 mtr	Per location	1.00	12572.37	12572.37
25	021093	60 Degree +6 mtr	Per location	1.00	13221.90	13221.90
26	021095	Special Tower (Exceeding +9 Mtr extension)	Per location	4.00	11922.85	47691.40
		Providing and casting in-situ cement concrete of trap metal of size 20 to 40 mm as applicable, Form boxes, fishing, coping and curing for 21 days complete as per drawing and direction of Engr. in-charge in the following grades.				
27	021101	a) 1:3:6 (M-10)	cum	395.00	8295.78	3276833.10
28	021102	b) 1:1.5:3 (M-20)	cum	4700.00	10007.14	47033558.00
29	021103	1:2:4 (M-15)	cum	50.00	9284.01	464200.50
30	021104	Casting in situ CC (M-30)	cum	400.00	10196.26	4078504.00
31	021110	Providing and fixing of steel reinforcement in concrete foundation including supply of TMT bars of various sizes and binding wire, cutting, bending, hooking, binding with binding wire and/or tack welding etc. complete as per drawing and as per direction of Engr.In-charge.	MT	140.00	114040.14	15965619.60
32	021120	Dewatering of Excavated Pits and Preparation of Pit for Concreting (Unit Hour considers as per HP/8hrs)	Hour	50.00	296.74	14837.00
33	021130	Earthing of towers with pipe type earthing (with supply of earthing material) including excavation of pits/trenches, laying of earthing pipe, strips, flats etc including supply of heavy duty GI pipe and GI strip/flat/nut and bolts and provision of salt and coke as per drawing including back filling, complete in all respect as per direction of Engr. In-charge.	Numbers	45.00	7186.20	323379.00
34	021140	Earthing of towers with Counter Poise type earthing(with supply of earthing material) including excavation of pits/trenches, laying of earthwire and fitting plates to tower legs including supply of all materials (viz. GSS wire, lugs, nuts and bolts etc) as per the drawing and back filling, complete in all respect as per direction of Engr. In-charge.	Each	15.00	16056.10	240841.50
35	021150	Complete erection of DC/MC towers (including special towers) with its extensions for 220kV Lines (as per requirement) with fixing of Bolts & Nuts, Tightening, punching and fittings including attachments (like step bolts, ladders, platforms, 'U' bolts, shackles, hangers, strain plates etc) and application of Zinc rich primer and two coats of enamel paints on welded portion (Excluding stubs) ,including transportation of materials from site stores to work site.	MT	650.00	9429.89	6129428.50

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		"Excavation for foundation of revetment wall/protection wall in all type of soil, sand, gravels, soft murum. Soft murum with boulders, normal soil including shoring, shuttering wherever necessary & disposing of the excavated stuff as directed upto 50mtrs."				
36	021161	Normal soil/Sand/Gravel/Soft murum	cum	30.00	260.85	7825.50
37	021162	BC/Submerged soil	cum	50.00	439.44	21972.00
38	021164	Dry Fissured Rock (DFR)	cum	50.00	1318.32	65916.00
39	021165	Hard Rock by chisselling	cum	10.00	1702.50	17025.00
40	021170	Providing & casting in situ cement concrete of 1:2:4 of trap metal for coping of retaining wall including cost of the cement, sand, metal, water, dewatering, form work, compaction & curing etc. complete in all respect.	cum	50.00	9138.68	456934.00
41	021180	Providing & casting in situ cement concrete of 1:3:6 of trap metal for coping of retaining wall including cost of the cement, sand, metal, water and form work, compaction & curing etc. complete in all respect.	cum	10.00	8150.46	81504.60
42	021190	Providing & constructing of UCR masonry of trap stone in cement mortar 1:6 in super structure including racking out joints on the inside as no plastering to be done from inside, scaffolding, dewatering, compacting, curing etc. complete in all respects as per the drawings to be furnished by the MSETCL.All the material such as trap stones,cement,sand,metal,water etc,to be provided by the contractor as his own cost including following activities	cum	100.00	3585.89	358589.00
		"Stringing of conductors on S/C, D/C, M/C,H/Z towers including transportation of conductor and required material from site store to site locations, laying, paving, jointing, rough sagging, final sagging, clipping, fixing of accessories, hoisting of insulators, jumpering etc. on tower complete in all respect including tree cutting if required as per the direction of Engineer incharge.(which includes the works involved in the crossing of LT,HT,.viz dismantling and restringing of conductors)"				
43	021201	220 kV S/C (with 0.4 ACSR/AAAC) on D/C	Kilometre	1.50	75122.31	112683.47
44	021202	220 kV D/C (with 0.4 ACSR/AAAC) on D/C	Kilometre	12.00	118434.53	1421214.36
45	021203	220 kV D/C (with 0.4 ACSR/AAAC) on M/C	Kilometre	10.00	157454.75	1574547.50
46	021204	220 kV M/C (with 0.4 ACSR/AAAC) on M/C	Kilometre	2.00	270108.50	540217.00
47	021210	Stringing of 7/3.15 mm G.I Earthwire including transporation of earthwire and required material from site store to site locations,Laying,Fixing hardware,Fixing Accssories,paaving out earth wire,Jointing,tesioning,Stringing and clamping etc	Kilometre	20.00	14863.53	297270.60
48	021220	Destringing of old earth wire of any Size	RM	2000.00	35.57	71140.00

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49	021230	Electric Tack welding (Half Roundwelding) to GI Nut & Bolts of tower from thread ends (Two spot to be welded to each Nut & Bolt near threaded end) and painting the welded portion with two coats of zinc rich paint upto 132/220 KV DC . Two section of each tower (Unit per Location considered as Per Tower)	Per location	47.00	6358.85	298865.95
50	021240	"Electric tack welding(half round welding) to GI Nuts & Bolts of tower from thread ends (Two spots to be welded to each Nut & Bolts near thread end) and painting the welded portion with two coats of Zinc rich paint upto 220 KV MC.Two sections of each tower." (Unit per Location considered as Per Tower)	Per location	13.00	7659.53	99573.89
51	021250	Destringing of 0.4 ACSR/AAC Zebra conductor on 220kv S/C on D/C line including transporation of conductor &required material from site to store as per direction	Kilometre	1.50	60097.85	90146.78
52	021260	Destringing of 0.4 ACSR/AAC Zebra conductor on 220kv D/C on D/C line including transporation of conductor &required material from site to store as per direction	Kilometre	7.00	94745.54	663218.78
53	021270	Destringing of 0.4 ACSR/AAC Zebra conductor on 220kv D/C on M/C line including transporation of conductor &required material from site to store as per direction	Kilometre	7.00	125963.80	881746.60
54	021280	Dismantling of 132Kv/220kv/400kv/Horizontal Tower including transporation to store as per direction	MT	200.00	7543.91	1508782.00
55	021290	Removal of stubs upto 1.5 mtr (Unit per Location considered as Per Tower)	Per location	40.00	10217.52	408700.80
		Providing and fixing of Backstay at the locations during stringing whenever neccessary and removal of the same after stringing.				
56	021301	220 kV Tower (Unit per Location considered as per stay)	Per location	26.00	5196.25	135102.50
57	021310	Stacking of 220 /132/33 KV Tower, Gantries, Support Structures, M.S. Material, Hardware, Insulators tower material, other material as per Bill of Material, directed by the site engineer/ representative, including material tagging, marking, painting etc. as per site engineer.	MT	200.00	280.07	56014.00
58	021330	Destringing Earth wire and Stringing of OPGW on Live along with all hardware and accessories etc.,	Kilometre	1.21	120431.39	145721.98
					Total	109239216.45
Schedule	Schedule 3-132 KV (D/C) Transmission Line Supply Items					
Item- 3	132 KV (D/C) Transmission Line Supply Items					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount

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1	031010	Fabrication, Galvanising, Supply at site store of 220 kV/132kV D/C, MC towers (Viz. 2° ,15°, 30°, 60°) of normal type, its extensions, including special towers for all type of crossings, with set of stubs, Superstructure, templates, step bolts, U-bolts, D'Shackles, Chain links etc, with all other tower accesSOR April 2025ies, complete in all respect as per approved design & drawings provided by the Purchaser.	MT	80.00	115606.52	9248521.60
2	031020	Supply at site store of Galvanised Bolts & Nuts with Spring Washers, Plain washers for 220kV/132kV Line towers/Structures/Accessories	MT	2.52	191179.10	481771.33
		Supply of Tower Accessories				
3	031031	a) Danger Board	Each	9.00	347.40	3126.60
4	031032	b) Number Plate	Each	9.00	289.14	2602.26
5	031033	c) Phase plates (set of RYB)	Each	18.00	463.18	8337.24
6	031034	d) Circuit Plate(Set of C1,C2)	Each	9.00	480.04	4320.36
7	031035	e) Anti-climbing devices with Barbed wire.	Each	9.00	5681.68	51135.12
		Insulators and hardware: Disc Insulators (Normal)				
8	031041	Disc Insulator 70KN (Normal)	Each	243.00	931.30	226305.90
9	031042	Disc Insulator 120KN (Normal)	Each	2160.00	1104.68	2386108.80
		Hardwares suitable for 0.2 ACSR Panther conductor.				
10	031051	a) SSN for 0.2 ACSR Panther conductor	Each	27.00	3828.82	103378.14
11	031053	d) DTN for 0.2 ACSR Panther conductor	Each	108.00	9953.86	1075016.88
		Supply of Conductor & Accessories				
12	031061	0.2 Panther ACSR, copper equivalent conductor including 1% extra for sag, jumpering and wastage (Including Wire for ERS Works)	Kilometre	14.71	238623.41	3510150.36
		Accessories for 0.2 Panther				
13	031073	c) P. A. rods	Each	9.00	1613.28	14519.52
14	031074	d) Vibration dampers.	Each	108.00	912.17	98514.36
		Supply of Earthwire & Accessories:				
15	031081	7/3.15 mm GI Earth wire	Kilometre	2.70	70534.90	190444.23
16	031083	Tension Clamp for 7/3.15 mm GI Earth wire	Each	9.00	973.14	8758.26
17	031085	Copper Earth Bonds	Each	18.00	953.53	17163.54
					Total	17430174.50
Schedule	Schedule 4-132 KV (D/C) Transmission Line Erection Items					
Item- 4	132 KV (D/C) Transmission Line Erection Items					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	041010	Check survey to carry out the checks as per approved tower profiles, with Digital Theodolite/total station/GPS etc. and location marking by fixing three pegs in alignment for suspension tower and by fixing five pegs in bisection for angle tower, including bush cutting along the centre line of alignment and repege marking if necessary etc. complete. Check survey including revision of profiles if required.	Kilometre	2.40	9104.72	21851.33

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		Excavation of pits for tower footings in earth soil of all types, sand gravel and normal soil including removing of excavated material beyond tower locations upto 50 M lead and all lifts, shoring, shuttering, preparing the bed for foundations and necessary back filling ramming after stub setting, compacting, finishing and curing complete in all respect as per drawing & direction of Engr. In-charge.				
2	041021	Normal Soil/Sand/Gravel/Soft Murum	cum	20.00	260.85	5217.00
3	041022	Black cotton soil/Submerged soil	cum	1250.00	439.44	549300.00
4	041023	Soft rock/Hard Murum	cum	80.00	540.02	43201.60
5	041024	Dry Fissured Rock	cum	150.00	1318.32	197748.00
6	041025	Hard rock by Chiseling	cum	20.00	1702.50	34050.00
		Concreting of foundation: Providing and casting in situ cement concrete of trap metal of size 20 to 40 mm as applicable including cost of cement, sand, metal and water, frame work, finishing, compacting , coping and curing for 21 days complete as per drawing and direction of Engr.In-charge in the following grades-				
7	041031	M 20 (1:1.5:3) with graded metal for foundation	cum	190.00	10007.14	1901356.60
8	041032	M 10 (1:3:6) with graded metal for foundation/bedding	cum	20.00	8295.78	165915.60
9	041040	Providing and fixing in position Steel Reinforcement in concrete foundation including supply of TMT bars with epoxy coating/Meta cam of various diameters for R.C.C. work like raft, footing of column etc. as per drawing and direction which will be furnished by the owner including cutting, bending , hooking the bars, binding with binding wire or tackwelding etc. complete as directed.(Steel to be provided by contractor)	MT	11.00	114040.14	1254441.54
		Tower earthing : Pipe type earthing: Normal earthing including excavation of pits/ trenches, laying of earthing pipe, strips, flats, etc supplying and laying salt and soft coke as directed and as per the drawing to be furnished by the owner and back filling, complete in all respects.				
10	041051	Inclusive of G.I. pipe, GI strip / Flat & Nuts and bolts	Each	5.00	7186.20	35931.00
		Tower earthing: Counter Poise type Earthing: Including excavation of pits/ trenches, laying of earth wire and fitting plates/ lugs to tower legs including supply of all materials (Viz. GI wire, lugs, nuts and bolts etc) and back filling, complete in all respect as per drawing to be furnished by the owner.				
11	041061	Inclusive of G.I. Wire,lugs,nuts & bolts etc.	Each	4.00	16056.10	64224.40

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12	041070	Complete erection of DC/MC/Horizontal tower (Including special towers) with its extensions for EHV Lines (as per requirement) with fixing of bolts and nuts, tightening , punching and fitting including attachments (like step bolts, ladders, platforms, "U" bolts, shackles, hangers, strain plates etc) and including transportation of materials from site stores to work sites, tightening and punching of Bolts and Nuts complete in all respect, punching of bolts, fixing of danger plates, fixing of number plates, fixing of phase plates,fixing of anticlimbing device, fixing of circuit plate etc.	MT	79.00	9429.89	744961.31
13	041080	Electrick Tack Welding (half round welding) to GI Nuts and Bolts of tower from thread ends (Two spots to be welded to each nut & Bolts near thread end) and painting the welded portion with two coats of zinc rich paint upto 220kV DC. Two Section of each tower. (Unit Per Location Considered as Per Tower)	Per location	9.00	6358.85	57229.65
		132kV DC Tower: Stub setting in all type of soils with the help of template/PROP including transportation if required to the desired location, fixing the stubs in position as per the alignment, fixing and leveling the template and the stub as directed.				
14	041091	60 Degree	Per location	1.00	8020.82	8020.82
15	041092	60 Degree +6 Extension	Per location	4.00	9319.89	37279.56
16	041093	Special Tower (Exceeding +9 Mtr extension)	Per location	4.00	10947.34	43789.36
17	041100	"Stringing of 0.2 ACSR Panther Conductor on 132kV D/C on D/C line for crossing of EHV Power Lines, Railway, National Highway and River/Creek Crossing including transportation of conductor & required material from site store to site location"	Kilometre	2.46	202859.37	499034.05
18	041110	"Destringing of 0.2 ACSR Panther Conductor on 132kV D/C on D/C line for crossing of EHV Power Lines, Railway, National Highway and River/Creek Crossing including transportation of conductor & required material from site to store as per direction"	Kilometre	1.60	162287.49	259659.98
19	041120	Stringing of 7/3.15 mm G.I Earthwire including transportation of earthwire and required material from site store to site locations, Laying, Fixing hardware, Fixing Accessories, pulling out earth wire, jointing, tensioning, Stringing and clamping etc	Kilometre	2.30	14863.53	34186.12
20	041130	Destringing of old earth wire of any Size	RM	1500.00	35.57	53355.00
21	041140	Dismantling of 132 KV Horizontal tower including transportation to store as per direction	MT	14.36	7543.91	108338.09
22	041150	Removal of Stub upto 1.5mtrs (Unit Per Location Considered as Per Tower)	Per location	5.00	10217.52	51087.60

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23	041160	Providing and fixing of Back stay at locations during stringing whenever necessary and removal of the same after stringing for 132Kv TOWER . (Unit Per Location Considered as Per stay)	Per location	12.00	3897.19	46766.28
24	041170	Stacking of 220 /132/33 KV Tower, Gantries, Support Structures, M.S. Material, Hardware, Insulators tower material, other material as per Bill of Material, directed by the site engineer/ representative, including material tagging, marking, painting etc. as per site engineer.	MT	150.00	280.07	42010.50
					Total	6258955.39
Schedule	Schedule 5-ERS Hiring and Erection items for 132 KV & 220 KV					
Item- 5	ERS Hiring and Erection items for 132 KV & 220 KV					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	051010	Erection & Dismantling of ERS Tower Allied Services:- Erection of Stay and attaching to ERS towerMaking arrangement for ERS (woks include survey (ERS spot fixing), Mobilization of gang, Transportation of T&P, Excavation of pits (for stay), concreting of pits (for stay), Erection of stays, pre-installation assembly of ERS Structure, Installation of ERS Structure) Making arrangement for dismantling of ERS (woks includes Dismantling of stay, pits, Back filling of stay pits, dismantling of concreting of stays, Dismantling of ERS Structure, Dismantling of ERS System.Stringing of conductor on ERS TowerDe-Stringing of conductor on ERS TowerTransportation of ERS Tower material to Work site (to & fro) including loading unloading of ERS.Loading of Material by Crane Un-Loading of Material by Crane (Unit Per Location Considered as Per Tower)	Per location	46.00	690300.00	31753800.00
2	051020	Rental Charges for ERS Towers with all accessories and without transportation (Unit Set Considered Per ERS Tower Set)	Set	46.00	499977.39	22998959.94
					Total	54752759.94
Schedule	Schedule 6-Site Facilities					
Item- 6	Site Facilities					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
		Providing Road Vehicle mentioned below for the use of Engineer/Employer as per the Conditions mentioned in Clause 3.4.3, i.e 3.4.3.1 to 3.4.3.3 of Chapter 3 (Site Facilities for the Employer and the Engineer) of Section 5 Work's Requirement) of Tender Documents.				
1	061012	BOLERO, SCORPIO, ERTIGA, MARAZZO or similar	Vehicle-Month	18.00	90467.02	1628406.36
2	061014	Extra for running and maintenance of every additional km over and above 4000 kms as specified in item 9003 (b) (Unit Kilometres Considered as Per KM)	Kilometre	4000.00	20.02	80080.00
					Total	1708486.36
Schedule	Schedule 7-220 KV MONOPOLE ITEMS					
Item- 7	220 KV MONOPOLE ITEMS					

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S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
Supply of Monopole Tower						
1	071011	220kV M/C Monopole Tower M/C D+3 with x-arms including all structural components of the pole, anchor bolts, anchor plates, template etc with all accessories as per MSETCL's approved profile and Tower Schedule	Each	1.00	14286298.00	14286298.00
2	071012	220kV M/C Monopole Tower M/C D+12 with x-arms including all structural components of the pole, anchor bolts, anchor plates, template etc with all accessories as per MSETCL's approved profile and Tower schedule	Each	2.00	16182400.00	32364800.00
Erection of Monopole Tower						
3	071021	220kV M/C Monopole Tower M/C D+3 with x-arms and accessories	Each	1.00	2986326.00	2986326.00
4	071022	220kV M/C Monopole Tower M/C D+12 with x-arms and accessories	Each	2.00	3432965.00	6865930.00
Casting of Monopole Tower Foundation (Caisson Foundation type) complete including excavation of soil in all types of soil, concreting, steel reinforcement, shuttering etc.,						
5	071031	220kV M/C Monopole Tower M/C D+3	Each	1.00	11241511.00	11241511.00
6	071032	220kV M/C Monopole Tower M/C D+12	Each	2.00	13234440.00	26468880.00
					Total	94213745.00

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	Please refer to clause 2.2 section-3	No	No	Allowed (Mandatory)

Special Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Please refer to clause 2.3 section-3	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
1	For payment conditions, refer to Volume II of the bid document	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)

Technical-Compliances

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S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Please refer Volume-I of bid document	No	No	Allowed (Mandatory)

6. Documents attached with tender

S.No.	Document Name	Document Description
1	VOL-1PKG3C.pdf	VOLUME 1
2	VOL-2PKG3C.pdf	VOLUME 2

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: MANOJ KUMAR SINGH

Designation : GM/Electrical