

**EDFC FIELD UNIT-TUNDLA-ELECTRICAL/EDFC
TENDER DOCUMENT**

Tender No: ELTDLBPUUPLINKT005

Closing Date/Time: 08/03/2021 15:00

CGM/Tundla acting for and on behalf of The President of India invites E-Tenders against Tender No **ELTDLBPUUPLINKT005** Closing Date/Time 08/03/2021 15:00 Hrs. Bidders will be able to submit their original/revised bids upto closing date and time only. Manual offers are not allowed against this tender, and any such manual offer received shall be ignored.

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

1. NIT HEADER

Name of Work	Design, Supply, Erection, Testing and Commissioning of 25 kV, AC, 50 HZ, OHE in Connection with Construction of Bhaupur UP link line and Bhaupur Yard Modification under CGM/DFCCIL/Tundla.		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	08/03/2021 15:00	Date Time Of Uploading Tender	06/02/2021 16:58
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	38998400.21	Tendering Section	WORKS
Bidding Style	Single Rate for Each Schedule	Bidding Unit	
Earnest Money /Bid Security (Rs.)	0.00	Validity of Offer (Days)	45
Obtain Bid Security Declaration in lieu of Bid Security	Yes		
Tender Doc. Cost (Rs.)	11800.00	Period of Completion	6 Months
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	22/02/2021	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 A-Sub-Section -1 (General)							929608.14	Above/ Below/Par
1	1	7.00	Per Track KM	18030.16	126211.12	AT Par	126211.12	
	Description:- Preparation of design and drawing for overhead equipment and verification of purchaser pegging plan							
2	2	500.00	Metre	1038.78	519390.00	AT Par	519390.00	
	Description:- Supply of Span wire 150sqmm							
3	3	500.00	Metre	61.15	30575.00	AT Par	30575.00	
	Description:- Erection of span wire 150 sqmm							
4	4	4.00	Each	5066.46	20265.84	AT Par	20265.84	
	Description:- Supply of Material(with out insulator) for Termination of single conductor of overhead equipment (RDSO Type)							
5	5	10.00	Each	10938.00	109380.00	AT Par	109380.00	
	Description:- Supply of Material for Termination of single conductor of overhead equipment (as per DFCCIL drawings & specifications)							
6	6	14.00	Each	1090.04	15260.56	AT Par	15260.56	
	Description:- Erection of material for termination of Single conductor of Over Head Equipment or Termination (as per DFCCIL drawings & specifications)							
7	7	20.00	Each	3136.64	62732.80	AT Par	62732.80	
	Description:- Transfer of Equipment from one Mast or Support to another							
8	8	2.00	Kilometre	16756.59	33513.18	AT Par	33513.18	
	Description:- Dismantling of Over Head Equipment							
9	9	4.00	Each	3069.91	12279.64	AT Par	12279.64	
	Description:- Splicing & Extension of an anchored Over Head Equipment							

**EDFC FIELD UNIT-TUNDLA-ELECTRICAL/EDFC
TENDER DOCUMENT**

Tender No: ELTDLBPUUPLINKT005

Closing Date/Time: 08/03/2021 15:00

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule B-Sub-Section-2 (Concrete)							2938034.00	Above/ Below/Par
10	1	20.00	cum	6457.77	129155.40	AT Par	129155.40	
	Description:- Concrete for Foundation and Plinth:- In Hard Soil (supply)							
11	2	20.00	cum	2132.68	42653.60	AT Par	42653.60	
	Description:- Concrete for Foundation and Plinth:- In Hard Soil (erection)							
12	3	350.00	cum	6296.62	2203817.00	AT Par	2203817.00	
	Description:- Concrete for Foundation and Plinth:- In other than Hard Soil & Rock (supply)							
13	4	350.00	cum	1606.88	562408.00	AT Par	562408.00	
	Description:- Concrete for Foundation and Plinth:- In other than Hard Soil & Rock (erection)							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule C-Sub-Section-3 (Ferrous)							16418075.54	Above/ Below/Par
14	1	55.00	MT	107550.28	5915265.40	AT Par	5915265.40	
	Description:- Supply of steel structure (traction mast) Galvanised and fabricated type B-150,B-175,B-200 etc.							
15	2	55.00	MT	2640.93	145251.15	AT Par	145251.15	
	Description:- Manual Erection of steel structure (traction mast) Galvanised and fabricated type B-150,B-175,B-200 etc.							
16	3	10.00	MT	113277.13	1132771.30	AT Par	1132771.30	
	Description:- Supply of Fabricated and galvanised structure.(O,N,R type portal, TTC) with necessary component other than masts.							
17	4	10.00	MT	13366.49	133664.90	AT Par	133664.90	
	Description:- Manual Erection of Fabricated and galvanised structure.(O,N,R type portal, TTC) with necessary component other than masts.							
18	5	10.00	MT	116490.17	1164901.70	AT Par	1164901.70	
	Description:- Supply of Special Fabricated and Galvanised Steel Structure other than Portal & Traction masts							
19	6	10.00	MT	13366.49	133664.90	AT Par	133664.90	
	Description:- Manual Erection of Special Fabricated and Galvanised Steel Structure other than Portal & Traction masts etc.							
20	7	15.00	Each	11247.54	168713.10	AT Par	168713.10	
	Description:- Supply of Guy Rod assembly							
21	8	15.00	Each	1306.02	19590.32	AT Par	19590.32	
	Description:- Erection of Guy Rod assembly							
22	9	15.00	Each	364.06	5460.90	AT Par	5460.90	
	Description:- Supply of 25 KV Caution Board /Danger Board							
23	10	15.00	Each	115.58	1733.66	AT Par	1733.66	
	Description:- Erection of 25 KV Caution Board /Danger Board							
24	11	115.00	Each	44638.00	5133370.00	AT Par	5133370.00	
	Description:- Supply of Single Bracket (with insulator) assembly (As per DFCCIL drawing & specification)							
25	12	20.00	Each	16192.35	323847.00	AT Par	323847.00	
	Description:- Supply of Single Bracket (with out insulator) assembly for conventional OHE (RDSO drawing)							
26	13	135.00	Each	1144.21	154468.35	AT Par	154468.35	
	Description:- Erection of Single Bracket assembly (both RDSO & DFCCIL Drawing)							
27	14	10.00	Each	93285.00	932850.00	AT Par	932850.00	
	Description:- Supply of Auto Tensioning Device (Regulating equipment) 1:3 125kN dwg 64245 (as per DFCCIL drawing & specifications) with counter weight assembly and other associated items							
28	15	2.00	Each	87075.80	174151.60	AT Par	174151.60	
	Description:- Supply of Auto Tensioning Device (Regulating equipment) ,3 pully RDSO type with counter weight assembly and other associated items							
29	16	12.00	Each	4912.02	58944.24	AT Par	58944.24	

**EDFC FIELD UNIT-TUNDLA-ELECTRICAL/EDFC
TENDER DOCUMENT**

Tender No: ELTDLBPUUPLINKT005

Closing Date/Time: 08/03/2021 15:00

	Description:- Erection of Auto Tensioning Device (Regulating equipment) both DFCCIL & RDSO type with counter weight assembly and other associated items						
30	17	8.00	Each	20239.00	161912.00	AT Par	161912.00
	Description:- Supply of Material (with insulator) for termination of Double Over head Equipments conductor (as per DFCCIL drawings & specifications)						
31	18	2.00	Each	9714.25	19428.50	AT Par	19428.50
	Description:- Supply of Material (with out insulator) for termination of Double Over head Equipments conductor (RDSO design)						
32	19	10.00	Each	1294.46	12944.60	AT Par	12944.60
	Description:- Erection of Material for termination of Double Over head Equipments conductor						
33	20	5.00	Each	30535.00	152675.00	AT Par	152675.00
	Description:- Supply with out insulator of Anti Creep with Galvanised Steel wire suitable for Conventional Type OHE						
34	21	5.00	Each	3640.67	18203.35	AT Par	18203.35
	Description:- Erection of Anti Creep with Galvanised Steel wire suitable for Conventional Type OHE						
35	22	25.00	Each	791.70	19792.50	AT Par	19792.50
	Description:- Supply of Structure bond size 50mmx6mm						
36	23	25.00	Each	364.06	9101.50	AT Par	9101.50
	Description:- Erection of Structure bond size 50mmx6mm						
37	24	10.00	Each	496.98	4969.80	AT Par	4969.80
	Description:- Supply of Longitudinal bond size 50mmx6mm						
38	25	10.00	Each	323.61	3236.10	AT Par	3236.10
	Description:- Erection of Longitudinal bond size 50mmx6mm						
39	26	5.00	Each	959.29	4796.45	AT Par	4796.45
	Description:- Supply of Transverse and Special bond size 50mmx6mm						
40	27	5.00	Each	392.96	1964.80	AT Par	1964.80
	Description:- Erection of Transverse and Special bond size 50mmx6mm						
41	28	7.00	Each	3403.74	23826.18	AT Par	23826.18
	Description:- Supply of Single Earth Electrode						
42	29	7.00	Each	1386.92	9708.44	AT Par	9708.44
	Description:- Erection of Single Earth Electrode						
43	30	10.00	Metre	179.14	1791.40	AT Par	1791.40
	Description:- Supply of MS Earth Bus of size 50mmx6mm						
44	31	10.00	Metre	98.24	982.40	AT Par	982.40
	Description:- Erection of MS Earth Bus of size 50mmx6mm						
45	Please see Item Breakup for details.				374094.00	AT Par	374094.00
	Description:- Supply & Erection of material for earthing of each mast (as per DFCCIL drawings & specifications)						

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule D-Sub-Section-4 (Non- Ferrous)							17744019.12	Above/ Below/Par
46	1	7000.00	Metre	832.17	5825190.00	AT Par	5825190.00	
	Description:- Supply of 150sqmm Cu-Ag round bottom Contact wire							
47	2	7000.00	Metre	717.70	5023900.00	AT Par	5023900.00	
	Description:- Supply of 120sqmm Cu-Mg Messenger wire							
48	3	3.00	MT	584100.00	1752300.00	AT Par	1752300.00	
	Description:- Supply of 107 sqmm Hard drawn grooved copper contact wire							
49	4	2.00	MT	589328.50	1178657.00	AT Par	1178657.00	
	Description:- Supply of 65 sqmm Cu-cadmium catenary wire .							
50	5	5.50	Kilometre	260812.00	1434466.00	AT Par	1434466.00	
	Description:- Supply of Material (as per DFCCIL drawings & specifications) for Erection of Over Head Equipment only, except contact & messenger wire							
	6	1.50	Kilometre	51326.62	76989.93	AT Par	76989.93	

**EDFC FIELD UNIT-TUNDLA-ELECTRICAL/EDFC
TENDER DOCUMENT**

Tender No: ELTDLBPUUPLINKT005

Closing Date/Time: 08/03/2021 15:00

51								
	Description:- Supply of Material (as per RDSO design) for Erection of Over Head Equipment only, except contact & catenary wire.							
52	7	7.00	Kilometre	37081.26	259568.82	AT Par	259568.82	
	Description:- Manual Erection of Over Head Equipment only (both RDSO & DFCCIL)							
53	8	4.00	Each	217735.27	870941.08	AT Par	870941.08	
	Description:- Supply of 25KV Light weight Section Insulator assembly with suspension (as per DFCCIL drawings & specifications)							
54	9	2.00	Each	60213.58	120427.16	AT Par	120427.16	
	Description:- Supply without insulator of a section insulator assembly (RDSO design)							
55	10	6.00	Each	3836.38	23018.28	AT Par	23018.28	
	Description:- Erection of 25KV Light weight Section Insulator assembly with suspension both RDSO design & (as per DFCCIL drawings & specifications)							
56	11	1.00	Set	574511.79	574511.79	AT Par	574511.79	
	Description:- Supply of 25KV Short Neutral Section Assembly (complete set consisting of 2 half neutral sections) (as per DFCCIL drawings & specifications)							
57	12	1.00	Set	5928.44	5928.44	AT Par	5928.44	
	Description:- Erection of 25KV Short Neutral Section Assembly (complete set consisting of 2 half neutral sections) (as per DFCCIL drawings & specifications)							
58	13	2.00	Each	71300.00	142600.00	AT Par	142600.00	
	Description:- Supply of 1250A motorised single pole Isolator with out earth contact assembly							
59	14	2.00	Each	3557.07	7114.13	AT Par	7114.13	
	Description:- Erection of 1250A motorised single pole Isolator with out earth contact assembly							
60	15	2.00	Each	45346.88	90693.76	AT Par	90693.76	
	Description:- Supply with out insulator of 25 KV Single pole isolator (manually operated) with out earth contact assembly							
61	16	2.00	Each	3557.07	7114.13	AT Par	7114.13	
	Description:- Erection of 25 KV Single pole isolator with out earth contact assembly							
62	17	15.00	Each	8641.84	129627.60	AT Par	129627.60	
	Description:- Supply of large copper jumper wire							
63	18	15.00	Each	330.62	4959.30	AT Par	4959.30	
	Description:- Erection of large copper jumper wire							
64	19	25.00	Each	5050.58	126264.40	AT Par	126264.40	
	Description:- Supply of small copper jumper wire							
65	20	25.00	Each	330.62	8265.50	AT Par	8265.50	
	Description:- Erection of small copper jumper wire							
66	21	2.00	Metre	1008.97	2017.94	AT Par	2017.94	
	Description:- Supply of copper strip size 25 mmx3mm for equipment earthing							
67	22	2.00	Metre	91.20	182.40	AT Par	182.40	
	Description:- Erection of copper strip size 25 mmx3mm for equipment earthing							
68	23	10.00	Metre	1618.92	16189.20	AT Par	16189.20	
	Description:- Supply of solid copper bus bar 18mm							
69	24	10.00	Metre	125.40	1254.00	AT Par	1254.00	
	Description:- Erection of solid copper bus bar 18mm							
70	25	4.00	Each	3636.87	14547.48	AT Par	14547.48	
	Description:- Supply and erection of solid copper bus bar connector : Bus splice							
71	26	8.00	Each	5860.04	46880.30	AT Par	46880.30	
	Description:- Supply of solid copper bus bar connectors : Bus terminal							
72	27	8.00	Each	51.31	410.48	AT Par	410.48	
	Description:- Erection of solid copper bus bar connectors : Bus terminal							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule E-Sub-Section-5 (Insulator)							503146.84	Above/ Below/Par

**EDFC FIELD UNIT-TUNDLA-ELECTRICAL/EDFC
TENDER DOCUMENT**

Tender No: ELTDLBPUUPLINKT005

Closing Date/Time: 08/03/2021 15:00

73	1	20.00	Each	9693.11	193862.20	AT Par	193862.20	
	Description:- Supply of insulators for item no 12 sub section -3, single bracket assembly (in set)							
74	2	10.00	Each	13175.73	131757.30	AT Par	131757.30	
	Description:- Supply of Insulator for item no 14 sub section -3							
75	3	15.00	Each	8598.73	128980.95	AT Par	128980.95	
	Description:- Supply of solid core cut in insulator							
76	4	15.00	Each	727.79	10916.85	AT Par	10916.85	
	Description:- Erection of solid core cut in insulator							
77	5	2.00	Each	18814.77	37629.54	AT Par	37629.54	
	Description:- Supply of 9 ton and bar insulator for item no- 9 of sub section 4							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule F-Sub-Section -6 (Work under power block)							458706.57	Above/ Below/Par
78	1	20.00	MT	8703.30	174065.90	AT Par	174065.90	
	Description:- Extra on erection of steel structure (traction mast) Galvanised and fabricated type B-150,B-175,B-200 etc.under power block.							
79	2	10.00	MT	8703.29	87032.90	AT Par	87032.90	
	Description:- Extra on erection of Fabricated and galvanised structure.(O,N,R type portal, TTC) with necessary component other than masts.							
80	3	5.00	MT	8703.29	43516.45	AT Par	43516.45	
	Description:- Extra on erection of Special Fabricated and Galvanised Steel Structure other than Portal & Traction masts etc. under power block							
81	4	10.00	Each	1097.61	10976.10	AT Par	10976.10	
	Description:- Extra on erection of Single Bracket (with insulator) assembly for conventional OHE under power block.							
82	5	1.50	Kilometre	36060.46	54090.69	AT Par	54090.69	
	Description:- Extra on manual Erection of Over Head Equipment under power block.							
83	6	3.00	Each	4711.97	14135.91	AT Par	14135.91	
	Description:- Extra on erection of Auto Tensioning Devid (Regulating equipment) 1:3 125kN dwg 64245 (DFCCIL DRAWINGS) with counter weight assembly and other associated items under power block							
84	7	3.00	Each	1241.74	3725.22	AT Par	3725.22	
	Description:- Extra on Erection of Material (with insulator) for termination of Double Over head Equipments conductor under power block .							
85	8	4.00	Each	3730.77	14923.08	AT Par	14923.08	
	Description:- Extra on erection of 25KV Light weight Section Insulator assembly with suspension for both i.e. DFCCIL drawings & RDSO type under power block							
86	9	1.00	Each	3459.14	3459.14	AT Par	3459.14	
	Description:- Extra on erection of 1250A motorized single pole Isolator with out earth contact assembly under power block.							
87	10	4.00	Each	321.52	1286.08	AT Par	1286.08	
	Description:- Extra on erection of large copper jumper wire under power block.							
88	11	10.00	Each	321.52	3215.20	AT Par	3215.20	
	Description:- Extra on erection of small copper jumper wire under power block							
89	12	8.00	Each	3126.53	25012.24	AT Par	25012.24	
	Description:- Extra on transfer of Equipment from one Mast or Support to another under power block							
90	13	2.00	Kilometre	8190.47	16380.94	AT Par	16380.94	
	Description:- Extra on dismantling of Over Head Equipment under power block							
91	14	2.00	Each	3443.36	6886.72	AT Par	6886.72	
	Description:- Extra on splicing & Extension of an anchored Over Head Equipment under power block							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule G-Sub - Section -7 Transportation of Material							6810.00	Above/ Below/Par

**EDFC FIELD UNIT-TUNDLA-ELECTRICAL/EDFC
TENDER DOCUMENT**

Tender No: ELTDLBPUUPLINKT005

Closing Date/Time: 08/03/2021 15:00

92	1	1000.00	MT-Km	6.81	6810.00	AT Par	6810.00	
Description:- Handling /Loading , unloading and transportation of DFC supply/Released OHE/PSI/GPS/Material such as mast, Bus bar,AT,Brackets,Fittings, contact / catenary wire etc								

3. ITEM BREAKUP

Schedule	Schedule C-Sub-Section-3 (Ferrous)					
Item- 45	Supply & Erection of material for earthing of each mast (as per DFCCIL drawings & specifications)					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	321	Supply of material for earthing of each mast (as per DFCCIL drawings & specifications)	Each	100.00	3562.80	356280.00
2	322	Erection of material for earthing of each mast (as per DFCCIL drawings & specifications)	Each	100.00	178.14	17814.00
					Total	374094.00

4. ELIGIBILITY CONDITIONS

Special Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The Tenderer(s) should have physically completed at the time of opening of tender in the last Three financial years (i.e. current year and three previous financial years). At least one similar single work in Government Organization/ Public sector undertaking (PSU)/ Autonomous body/Public Limited Company/ Private Limited Company for a minimum value of 35% of advertised tender value of work. The work should be physically completed on or before the date of opening of tender.	No	No	Allowed (Mandatory)
1.1	Similar Work:"Satisfactory execution of work of Railway Electrification at 25 kV single phase A.C. involving preparation of design and drawing for OHE, casting of foundation, erection of masts, Bracket fabrication & erection, wiring and other related works with experience of working in power and/or traffic blocks anywhere in the Railways".	No	No	Allowed (Optional)

Special Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The Tenderer(s) should have received a total contractual amount during the last three Financial years and in the current financial year up to last date of submission of tender.Should be a minimum of 150 % of advertised tender value of work. Certified true copy of audited annual account are to be submitted as a proof along with the Bid Document. In case the annual accounts are not audited, the contract sum received for the required period should be duly certified by Chartered Accountant.	No	No	Allowed (Mandatory)

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)

Custom

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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**EDFC FIELD UNIT-TUNDLA-ELECTRICAL/EDFC
TENDER DOCUMENT**

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Closing Date/Time: 08/03/2021 15:00

1	"The tenderers shall submit a notarized affidavit on a non judicial stamp stating that they are not liable to be disqualified and all their statements/documents submitted along with bid are true and factual. Standard format of the affidavit to be submitted by the bidder is enclosed as Annexure-V. Non submission of an affidavit by the bidder shall result in summary rejection of his/their bid. And it shall be mandatorily incumbent upon the tenderer to identify, state and submit the supporting documents duly self attested by which they/he is qualifying the Qualifying Criteria mentioned in the tender document. It will not be obligatory on the part of Tender Committee to scrutinize beyond the submitted document of tenderer as far as his qualification for the tender is concerned".	No	No	Allowed (Mandatory)
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6. Documents attached with tender

S.No.	Document Name	Document Description
1	Tenderdocument005.pdf	Tender document

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

Designation : DYPM