**Tender No:** EL-C-ADI-TRD-16-2022-23 **Closing Date/Time:** 15/03/2023 15:00

**DYCEE-C-ADI** acting for and on behalf of The President of India invites E-Tenders against Tender No **EL-C-ADI-TRD-16-2022-23** Closing Date/Time 15/03/2023 15:00 Hrs. Bidders will be able to submit their original/revised bids upto closing date and time only. Manual offers are not allowed against this tender, and any such manual offer received shall be ignored.

#### 1. NIT HEADER

Name of Work		,						
Bidding type	Normal Tender							
Tender Type	Open	Bidding System	Single Packet System					
Tender Closing Date Time	15/03/2023 15:00	Date Time Of Uploading Tender	15/02/2023 14:56					
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable					
Advertised Value	173540850.00	Tendering Section	TECHNICAL					
Bidding Style	Single Rate for Each Schedu	ıle Bidding Unit						
Earnest Money (Rs.)	1017700.00	Validity of Offer ( Days)	45					
Tender Doc. Cost (Rs.)	0.00	Period of Completion	24 Months					
Contract Type	Works	Contract Category	Expenditure					
Bidding Start Date	01/03/2023	Are Joint Venture (JV) firms allowed to bid	Yes					
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Capital (Works)					

#### 2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit			
Schedule	chedule A-(Earth work & Foundation)						23215616.00	Above/ Below/Par			
	Please see Item Breakup for details. 23018760.00 AT Par						23018760.00				
1		<b>n:-</b> Concret		•	linth in all type of a ballast etc.)	soil incl. hard	/ rocky soil (incl. e	xcavation and			
0	Please see Item Breakup for details.		S.	196856.00	AT Par	196856.00					
2	Descriptio	Description:- Reinforced Concrete for foundation and cable trench									

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit		
Schedul	e B-(Steel it	ems)					100759062.00	Above/ Below/Par		
	Please see	Item Break	up for detai	ls.	55942140.00	AT Par	55942140.00			
1	<b>Descriptio</b> Feeder ma		of rolled or	fabricated a	nd galvanized tract	ion mast, TT	C, Portal with boom a	and AT masts,		
0	Please see	Item Break	up for detai	ls.	16137180.00	AT Par	16137180.00			
2	Description:- Supply of fabricated and galvanized steel works other than traction mast, TTC, portals etc. (SPS)									
	Please see	Item Break	up for detai	ls.	19513142.00	AT Par	19513142.00			
3	<b>Description:-</b> Supply of single cantilever assembly complete with insulator for conventional OHE and inside the tunnel									
4	Please see	Item Break	up for detai	ls.	180030.00	AT Par	180030.00			
4	Descriptio	n:- Supply	of pull-off ar	rangement	for OHE					
F	Please see	Item Break	up for detai	ls.	1829005.00	AT Par	1829005.00			
5	Descriptio	n:- Supply	of guy rod a	ssembly						
	Please see	Item Break	up for detai	ls.	4703340.00	AT Par	4703340.00			
6	<b>Description:-</b> Supply of regulating equipment 3 pulley type complete with all accessories including counter weight assembly and SS wire rope for conventional OHE.									
7	Please see	Item Break	up for detai	ls.	2274700.00	AT Par	2274700.00			
/	Description:- Supply of all types of GI bonds (40 X 6 mm)									
0	Please see	Please see Item Breakup for details. 179525.00 AT Pa					179525.00			
Ö	Descriptio	n:- Supply	of Earth elec	ctrode- 3 Mt	r					

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S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	<b>Bidding Unit</b>		
Schedule	C-(Switch (	Gear, Insula	tors & other	Elec. Items)			9644980.00	Above/ Below/Par		
3	Please see	Item Breaku	ıp for details	3.	1742532.00	AT Par	1742532.00			
3	Description	n:- Supply o	f 25KV sing	le pole, 1600	A isolator					
	Please see	Item Breaku	ıp for details	3.	3402203.00	AT Par	3402203.00			
5	<b>Description</b> overhead e		uctor (includino	g supply of 9 t cut-	in insulator) of					
	Please see	Item Breaku	p for details	3.	577748.00	AT Par	577748.00			
6	Description	n:- Supply o	-in insulator							
7	Please see	Item Breakı	ıp for details	6.	1112760.00	AT Par	1112760.00			
/	Description	n:- Supply o	f section ins	sulator asser	nbly including core	and cut-in insi	ulator			
0	Please see	Item Breakı	p for details	3.	181610.00	AT Par	181610.00			
8	Description	n:- Supply o	f 25KV solid	I core cut-in	insulator					
9	Please see	Item Breakı	p for details	3.	191972.00	AT Par	191972.00			
9	Description:- Supply of 25KV solid core suspension insulator									
4.0	Please see	Item Breaku	p for details	6.	181280.00	AT Par	181280.00			
10	Description	n:- Supply o								
4.4	Please see	Item Breaku	ıp for details	3.	94236.00	AT Par	94236.00			
11	Description:- A-Supply of 10 KVA Change over panel as per RDSO spec. suitable for 10 KVA AT supply									
	Please see	Item Breaku	p for details	S.	755349.00	AT Par	755349.00			
11	Description	n:- B-Supply	of 25 KVA	Change ove	r panel as per RDS	O spec. suitat	ole for 25 KVA AT s	supply		
	Please see	Item Breaku	p for details	S.	141354.00	AT Par	141354.00			
11	Description	n:- C-Supply	of 5 KVA C	Change over	panel as per RDS0	O spec suitable	e for 5 KVA AT sup	ply		
	Please see	Item Breaku	p for details	3.	254712.00	AT Par	254712.00			
18		<b>Description:-</b> A-Supply of Auxiliary Transformer 25 kV/230 V, 10 KVA with DO fuse assembly, LV box & Anti climbing device								
	Please see	Item Breaku	ıp for details	3.	764424.00	AT Par	764424.00			
18	<b>Description:-</b> B-Supply of Auxiliary Transformer 25 kV/230 V, 25 KVA with DO fuse assembly, LV box & Ant climbing device									
	Please see	Item Breakı	p for details	3.	244800.00	AT Par	244800.00			
18	Description climbing de		y of Auxiliai	ry Transforn	ner 25 kV/230 V, s	5 KVA with Do	O fuse assembly,	LV box & Anti		

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit			
Schedule	<b>e</b> D-(Copper	r items and I	PVC cables)				13264167.00	Above/ Below/Par			
	Please see	Item Break	up for detail	AT Par	13195109.00						
1	<b>Description:-</b> Supply of overhead equipment excluding catenary & contact wire. Scope includes supply or number plates & various types of caution & other boards including shock treatment chart etc.										
0	Please see Item Breakup for details. 19350.00 AT Par						19350.00				
2	Description:- Supply of Catenary wire splice Over & above as required for item D1										
3	Please see Item Breakup for details. 49708.00 AT Par						49708.00				
	Descriptio	n:- Supply o	of Contact w	ire splice ov	er & above as requi	red for item D	)1				

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	<b>Bidding Unit</b>
Schedul	e E-(Erection	1)					24054626.00	Above/ Below/Par
	Please see	Item Break	up for detail	s.	661426.00	661426.00 AT Par		
1	Description pegging and	•	luding preparation o	f pre pegging,				
	Please see Item Breakup for details.		s.	3501576.00	AT Par	3501576.00		
3								

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	<b>Description:-</b> Erection of rolled or fabricated an and portals	nd galvanized tracti	on mast and	auxiliary transformer masts, T
4	Please see Item Breakup for details.	987012.00	AT Par	987012.00
4	Description:- Erection of fabricated and galvan	ized steel works oth	her than tract	ion mast (SPS)
	Please see Item Breakup for details.	1538196.00	AT Par	1538196.00
5	<b>Description:-</b> Erection of single cantilever assetunnel	mbly complete with	insulator for	conventional OHE and inside t
^	Please see Item Breakup for details.	21029.00	AT Par	21029.00
3	Description:- Erection of pull-off arrangement f	or OHE	•	
7	Please see Item Breakup for details.	320350.00	AT Par	320350.00
7	Description:- Erection of guy rod assembly		-	<u>.</u>
	Please see Item Breakup for details.	521590.00	AT Par	521590.00
3	<b>Description:-</b> Erection of regulating equipment same	3 pulley type comp	lete with all a	accessories and adjustment of t
1	Please see Item Breakup for details.	571900.00	AT Par	571900.00
9	<b>Description:-</b> Erection of all types of GI bonds			
10	Please see Item Breakup for details.	65059.00	AT Par	65059.00
10	Description:- A-Erection of Earth electrode		•	
10	Please see Item Breakup for details.	100496.00	AT Par	100496.00
16	Description:- Erection of 25KV single pole isola	tor without earth co	ontact assem	bly
	Please see Item Breakup for details.	431935.00	AT Par	431935.00
18	<b>Description:-</b> Erection of materials for term insulator) of overhead equipment.	ination of Single/d	louble condu	uctor (including supply of cut
10	Please see Item Breakup for details.	334196.00	AT Par	334196.00
19	Description:- Erection of anti-creep with 9T ins	ulator over & above	as incl. in E	34
20	Please see Item Breakup for details.	130834.00	AT Par	130834.00
20	Description:- Erection of section insulator asse	mbly including core	and cut-in in	sulator
21	Please see Item Breakup for details.	19976.00	AT Par	19976.00
<b>2</b> I	Description:- Erection 25KV solid core cut-in in	sulator		
20	Please see Item Breakup for details.	23386.00	AT Par	23386.00
22	Description:- Erection of 25KV solid core suspe	ension insulator		
20	Please see Item Breakup for details.	18678.00	AT Par	18678.00
23	Description:- Erection of 25KV Post/Support in	sulator		
24	Please see Item Breakup for details.	37308.00	AT Par	37308.00
<b>24</b>	Description:- Erection of 10 KVA Change over	panel as per RDSC	) spec. suitab	le for 10 KVA AT supply
	Please see Item Breakup for details.	55674.00	AT Par	55674.00
31	<b>Description:-</b> A-Erection & commissioning of a box & anti climbing device	uxiliary transforme	r 5 & 10 KVA	including DO fuse assembly,
	Please see Item Breakup for details.	40014.00	AT Par	40014.00
31	<b>Description:-</b> Erection & commissioning of aux anti climbing device	iliary transformer 2	25 KVA includ	ling DO fuse assembly, LV box
	Please see Item Breakup for details.	2756644.00	AT Par	2756644.00
34	<b>Description:-</b> Erection of overhead equipment number plates & various type of boards	, including catenary	y, contact, jur	mper and dropper wires, fixing
	Please see Item Breakup for details.	645.00	AT Par	645.00
35	<b>Description:-</b> Transportation & laying of 10X2 control and indication	2.5/2X2.5/2X4 Sq.n	nm PVC insu	ulated stranded copper cable
36	Please see Item Breakup for details.	412800.00	AT Par	412800.00
<u> </u>	Description:- Transportation & laying of 2x70 S	Sq.mm PVC insulate	ed stranded a	luminium cable from AT to DB
38	Please see Item Breakup for details.	70950.00	AT Par	70950.00
	Description:- Erection of 150 sqmm copper fee	eder wire.		,
41	Please see Item Breakup for details.	1228854.00	AT Par	1228854.00
+ 1	Description:- Transfer of OHE from one suppo	rt to another and ac	djustment of d	droppers
	Please see Item Breakup for details.	147492.00	AT Par	147492.00

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<b>T</b> U										
	Description:- Dismantling & removal of OHE of	complete with cantel	lever, dropper	s, contact & catenary	wire etc.					
44	Please see Item Breakup for details.	16448.00	AT Par	16448.00						
+	Description:- Dismantling & removal of Auxilia	ry transformer with	DO fuse							
45	Please see Item Breakup for details.	20610.00	AT Par	20610.00						
43	Description:- Dismantling & removal of Isolato	or complete								
46	Please see Item Breakup for details.	152614.00	AT Par	152614.00						
40	Description:- Dismantling & removal of Mast, portal, TTC & other small part steel									
47	Please see Item Breakup for details.	114122.00	AT Par	114122.00						
47	Description:- Breaking of concrete foundation	Description:- Breaking of concrete foundation of Masts, portals & TTC								
40	Please see Item Breakup for details.	28094.00	AT Par	28094.00						
48	Description:- Dismantling & removal of Guy rod assembly									
	Please see Item Breakup for details.	91386.00	AT Par	91386.00						
50	Description:- Providing (Supply & erection) of Sectioning diagram board at stations									
	Please see Item Breakup for details.	647580.00	AT Par	647580.00						
54	<b>Description:-</b> Transportation of Railway supply materials from Railways depots to work site OR Transportation of Released material from work site to Railway depot.									
	Please see Item Breakup for details.	4127960.00	AT Par	4127960.00						
55					d /or Traffic					
	block is subject to have extra rate.	<b>Description:-</b> Work under Power Block:Any erection work as per schedule done under power and /or Traffic block is subject to have extra rate.								
	Please see Item Breakup for details.	1258536.00	AT Par	1258536.00						
56	Description:- Technical Assistant- TRD	1		<b>'</b>						
F-7	Please see Item Breakup for details.	1258536.00	AT Par	1258536.00						
57	Description:- Office Assistant		•							
	Please see Item Breakup for details.	1158480.00	AT Par	1158480.00						
58	<b>Description:-</b> Providing vehicle for supervision	Description:- Providing vehicle for supervision of work.								
	Please see Item Breakup for details.	1182240.00	AT Par	1182240.00						
59	Description:- Providing utility van for tower wa	agon crew, shifting o	of man and ma	aterial for the work.						

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit			
Schedul	e F-(T&P Iter	ms)					2602399.00	Above/ Below/Par			
	Please see	Item Breaku	p for details	i.	56022.00	AT Par	56022.00				
1	Description Ltd or similar		achine 3 to	nne pulling	capacity and 3 to	nne lifting cap	acity Make Tracel	Tirfer India Pvt			
	Please see	Item Breaku	p for details	i.	55562.00	AT Par	55562.00				
2		<b>Description:-</b> Pull lift machine 5.2 tonne pulling capacity and 3.2 tonne lifting capacity Make Tracel Tirfer India Pvt Ltd or similar									
	Please see	Item Breaku	p for details	i.	34254.00	AT Par	34254.00				
3	<b>Description:-</b> Pull lift machine 1.5 tonne pulling capacity and 2 tonne lifting capacity Make Tracel Tirfer India Ltd or similar							Tirfer India Pvt			
4	Please see	Item Breaku	p for details	i.	34509.00	AT Par	34509.00				
4	Description:- Earthing discharge rod complete.										
-	Please see	Item Breaku	p for details	i.	47772.00	AT Par	47772.00				
5	Description:- Aluminium straight ladder (9.3 m) with hook on top.										
0	Please see	Item Breaku	p for details	i.	143127.00	AT Par	143127.00				
6	Description	n:- Aluminiu	m folding lad	dder (11 m) v	with hook on top.						
	Please see	Item Breaku	p for details	i.	23376.00	AT Par	23376.00				
<i>/</i>	Description	Description:- Portable electric drill machine21mm, single phase 230 Volt (for drilling rails for bonding).									
•	Please see	Item Breaku	p for details	i.	18126.00	AT Par	18126.00				
8	Description:- Contact wire cutter 36".										
•	Please see	Item Breaku	p for details	i.	15825.00	AT Par	15825.00				
9	Description	Description:- Dropper wire cutter 12".									
	Please see	Item Breaku	p for details	i.	24816.00	AT Par	24816.00				
10											

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	Description:- Single sleeve pully block 3 1/2" x 1	/2" groove steel.						
	Please see Item Breakup for details.	5979.00	AT Par	5979.00				
11	Description:- Contact wire twist cum bender 6"	0070.00	711	00.000				
	Please see Item Breakup for details.	2988.00	AT Par	2988.00				
12	<b>Description:-</b> Steel sling 1m long, eye at each e	l l	711 1 41	2000.00				
	Please see Item Breakup for details.	3531.00	AT Par	3531.00				
13	<b>Description:-</b> Steel sling 2m long, eye at each e	l.	711	33333				
	Please see Item Breakup for details.	4152.00	AT Par	4152.00				
14	<b>Description:-</b> Steel sling 3m long, eye at each e	Į.	711 1 41	1102.00				
	Please see Item Breakup for details.	5214.00	AT Par	5214.00				
15	<b>Description:-</b> Steel sling 4m long, eye at each e	l.	711 1 41	0211100				
	Please see Item Breakup for details.	15435.00	AT Par	15435.00				
16	Description:- Steel sling 5m long, eye at each e		711 1 41	10400.00				
	Please see Item Breakup for details.	2781.00	AT Par	2781.00				
17	Description:- Fabric metric tape 30 mtr long 15	l l	Aiiai	2701.00				
	Please see Item Breakup for details.	16179.00	AT Par	16179.00				
18	Description:- Engineering ratchet with socket se		AIFai	10179.00				
	Please see Item Breakup for details.	23271.00	AT Par	23271.00				
19	'	23271.00	AT Par	232/1.00				
	Description:- Earth Megger/tester	5007.00	AT Dox	F007.00				
20	Please see Item Breakup for details.	5637.00	AT Par	5637.00				
	<b>Description:-</b> Screw driver set consisting of 6", 8	ı	AT Davi	1011.00				
21	Please see Item Breakup for details.	1944.00	AT Par	1944.00				
22	Description:- Insulated cutting plier (12") & (8")	0,1000,00	47.0	04000.00				
	Please see Item Breakup for details.	21903.00	AT Par	21903.00				
	Description:- Sprit level (12") & (6")	.=	1	.=				
23	Please see Item Breakup for details.	47946.00	AT Par	47946.00				
	Description:- Tensometer IDT-10 Ton capacity.		1					
24	Please see Item Breakup for details.	40758.00	AT Par	40758.00				
	Description:- Hydraulic crimping tool.							
25	Please see Item Breakup for details.	42666.00	AT Par	42666.00				
	Description:- Bench grinder (Double end pedes	· · ·	1					
26	Please see Item Breakup for details.	6549.00	AT Par	6549.00				
	Description:- 50W LED flood light IP65 rating	T						
27	Please see Item Breakup for details.	27312.00	AT Par	27312.00				
	Description:- Syren covering distance one kilom							
28	Please see Item Breakup for details.	13128.00	AT Par	13128.00				
	Description:- High Beam (Range 1 km) recharge							
29	Please see Item Breakup for details.	6651.00	AT Par	6651.00				
	Description:- D' Spanner double ended 24 sizes	· ,		· · · · · · · · · · · · · · · · · · ·				
	Please see Item Breakup for details.	15258.00	AT Par	15258.00				
30	<b>Description:-</b> Ring spanner double ended 24 size equipment make.	zes in a set of 12	pieces Gedor	e make or any other s	ubstantially			
	Please see Item Breakup for details.	460416.00	AT Par	460416.00				
32	<b>Description:-</b> Providing temporary lighting & a portable type 2 to 5 KVA DG Set on hiring basis of		-		d TWO by			
33	Please see Item Breakup for details.	234909.00	AT Par	234909.00				
	Description:- Preparation documents, SWR, App	p G, Display Notic	e boards, key	box for EIG & CRS.				
2.4	Please see Item Breakup for details.	18791.00	AT Par	18791.00				
34	Description:- Tree Trimming for OHE section	<u>'</u>		•				
35	Please see Item Breakup for details.	151446.00	AT Par	151446.00				
35	Description:- Accomodation facilities for officers							

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	Description:- Accomodation facilities for Site Engineers.								
0.7	Please see Item Breakup for details.	32774.00	AT Par	32774.00					
37	Description:- Groves, Helmet, safety items for o	perating and elec	trical staff at a	II station and LC ga	te.				
	Please see Item Breakup for details.	302610.00	AT Par	302610.00					
38	<b>Description:-</b> Supply, installation, testing and commissioning of Overhead line inspection with video recording system with laptop for current collection test conforming to RDSO spec. No. TI/SPEC/HE/OLIVER/0051 or latest, make: M H Electronics, Pacific dynamics Global enterprise								
	Please see Item Breakup for details.	154000.00	AT Par	154000.00					
39	<b>Description:-</b> Laptop for operation of maintenance equipment and rawing(AutoCAD), Specification: Core i5, Windows 10/11, 8GB, RAM, 1TB HDD/SDD, 4GB, Graphics, preferred.								
	Please see Item Breakup for details.	162282.00	AT Par	162282.00					
40	<b>Description:-</b> SITC of Galvanised steel flexible traction wire bond with lug both end crimped, length 3.0 mtr as per RDSO's specification No. TI/SPC/OHE/GALSTB/0040 with A&C slip No. 1 (8/2005) or latest Make-M/s BHARAT WIRES ROPES Limited Mumbai, M/s MAC Enginners Mumabai, M/s Shree Steel Wires Ropes Limited, M/s AURACAB Industries LLP-Sonipat, Haryana, Or RDSO/CORE approved manufacturer								

#### 3. ITEM BREAKUP

Schedule	Schedu	le A-(Earth work & Foundation)				
Item- 1		te for foundation and plinth in all type of soil incl. hard/ rock ls viz., sand, cement, and ballast etc.)	y soil (incl.	excavation	on and suppl	y of all
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	A-1	cum	3870.00	5948.00	23018760.00
					Total	23018760.00
Item- 2	Reinfor	ced Concrete for foundation and cable trench				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	A-2	cum	22.00	8948.00	196856.00
					Total	196856.00
Schedule	Schedu	le B-(Steel items)				
Item- 1	Supply etc.	of rolled or fabricated and galvanized traction mast, TTC, F	Portal with	boom and	d AT masts, F	eeder mast
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	B-1	MT	516.00	108415.00	55942140.00
					Total	55942140.00
Item- 2	Supply	of fabricated and galvanized steel works other than traction	n mast, TT	C, portals	etc. (SPS)	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	B-2	MT	148.00	109035.00	16137180.00
					Total	16137180.00
Item- 3	Supply	of single cantilever assembly complete with insulator for co	nventional	OHE and	l inside the tu	ınnel
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	B-3	Each	946.00	20627.00	19513142.00
					Total	19513142.00
Item- 4	Supply	of pull-off arrangement for OHE				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	B-4	Each	17.00	10590.00	180030.00
					Total	180030.00
Item- 5	Supply	of guy rod assembly				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount

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1	1	B-5	Each	215.00	8507.00	1829005.00
	1	<del>- 5</del>			Total	1829005.00
Item- 6		of regulating equipment 3 pulley type complete with all a wire rope for conventional OHE.	accessories ir	ncluding co	ounter weight	assembly
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	B-6	Each	86.00	54690.00	4703340.00
	•				Total	4703340.00
Item- 7	Supply	of all types of GI bonds (40 X 6 mm)	1	_	1	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	B-7	Each	2150.00		2274700.00
	I				Total	2274700.00
Item- 8		of Earth electrode- 3 Mtr			I	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	B-8 A	Each	43.00		179525.00
0.1	la				Total	179525.00
		le C-(Switch Gear, Insulators & other Elec. Items)				
Item- 3		of 25KV single pole, 1600A isolator	1	1	1	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	C-3	Each	22.00		1742532.00
	0	-f		N 4 4 to - to	Total	1742532.00
Item- 5	equipm			1		
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	C-5	Each	301.00		3402203.00
					Total	3402203.00
Item- 6		of materials for termination of single conductor with 9 to			D. I.	A
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	C-6	Each	86.00		577748.00
			1. 1		Total	577748.00
Item- 7		of section insulator assembly including core and cut-in in		04	Data	A
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	C-7	Each	22.00		1112760.00
Itom 0	Cupal:	of SEKV polid corp out in insulator			Total	1112760.00
S No.	Item	of 25KV solid core cut-in insulator  Description of Item	Unit	Qty	Rate	Amount
	No					
1	1	C-8	Each	22.00		181610.00
11		(0510)			Total	181610.00
Item- 9		of 25KV solid core suspension insulator		Ι	I	<b>A</b> •
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	C-9	Each	22.00		191972.00
	1				Total	191972.00
Item- 10		of 25KV post insulator	1	_	1 -	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	C-10	Each	22.00	8240.00	181280.00

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					Total	181280.00
Item- 11	A-Supp	ly of 10 KVA Change over panel as per RDSO spec. suitab	le for 10 KV	/A AT su	pply	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	C-11 A	Each	3.00	31412.00	94236.00
			<u>.</u>		Total	94236.00
Item- 11	B-Supp	ly of 25 KVA Change over panel as per RDSO spec. suitab	le for 25 KV	/A AT su	pply	
S No.	Item	Description of Item	Unit	Qty	Rate	Amount
	No	·		•		
1	1	C-11 B	Each	3.00	251783.00	755349.00
					Total	755349.00
Item- 11	C-Supp	oly of 5 KVA Change over panel as per RDSO spec suitable	for 5 KVA	AT suppl	y	
S No.	Item	Description of Item	Unit	Qty	Rate	Amount
	No	·		_		
1	1	C-11 C	Each	6.00	23559.00	141354.00
					Total	141354.00
Item- 18	A-Supp	ly of Auxiliary Transformer 25 kV/230 V, 10 KVA with DO fu	ise assemb	ly, LV bo	x & Anti climb	ing device
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	C-18	Each	3.00	84904.00	254712.00
					Total	254712.00
Item- 18	B-Supp	ly of Auxiliary Transformer 25 kV/230 V, 25 KVA with DO fu	ise assemb	ly, LV bo	x & Anti climb	oing device
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	C-18 B	Each	3.00	254808.00	764424.00
		15 5			Total	764424.00
Item- 18	C-Supp	bly of Auxiliary Transformer 25 kV/230 V, 5 KVA with DO fus	se assembly	/. I V box		na device
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	C-18 C	Each	6.00	40800.00	244800.00
-	<u> </u>	15 15 5			Total	244800.00
Schedule	Schedu	Ile D-(Copper items and PVC cables)				
Item- 1	Supply	of overhead equipment excluding catenary & contact wire. types of caution & other boards including shock treatment		ıdes sup	ply of numbe	r plates &
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	D-1	Per Track KM	43.00	306863.00	13195109.00
					Total	13195109.00
Item- 2	Supply	of Catenary wire splice Over & above as required for item I	D1			
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	D-2	Each	43.00	450.00	19350.00
	1		<u> </u>		Total	19350.00
Item- 3	Supply	of Contact wire splice over & above as required for item D1			<u> </u>	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	D-3	Each	43.00	1156.00	49708.00
	<u> </u>	<u> </u>		.0.00	Total	49708.00
Schedule	Schedu	tle E-(Erection)			1	.0. 50.00
Item- 1	Prepara	ation all drawing and design for overhead equipment includ yout plan	ing prepara	ition of p	re pegging, p	egging and
S No.	Item	Description of Item	Unit	Qty	Rate	Amount
	No					

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1	1	E-1	Per Track KM	43.00	15382.00	661426.00
			-		Total	661426.00
Item- 3	Erection	n of rolled or fabricated and galvanized traction mast and a	ıuxiliary trar	nsformer	masts, TTC a	ınd portals
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-3	MT	516.00	6786.00	3501576.00
					Total	3501576.00
Item- 4	Erection	n of fabricated and galvanized steel works other than tracti	on mast (SI	PS)	T.	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-4	MT	148.00	6669.00	987012.00
					Total	987012.00
Item- 5	Erection	n of single cantilever assembly complete with insulator for o	conventiona	al OHE ar	nd inside the t	unnel
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-5	Each	946.00	1626.00	1538196.00
					Total	1538196.00
Item- 6	Erection	n of pull-off arrangement for OHE				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-6	Each	17.00	1237.00	21029.00
					Total	21029.00
Item- 7	Erection	n of guy rod assembly				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-7	Each	215.00	1490.00	320350.00
					Total	320350.00
Item- 8	Erection	n of regulating equipment 3 pulley type complete with all ac	cessories a	and adjus	tment of the	same
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-8	Each	86.00		521590.00
					Total	521590.00
Item- 9	Erection	n of all types of GI bonds				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-9	Each	2150.00	266.00	571900.00
	1				Total	571900.00
Item- 10	A-Erect	on of Earth electrode		1		
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-10 A	Each	43.00	1513.00	65059.00
					Total	65059.00
Item- 16	Erection	n of 25KV single pole isolator without earth contact assemb	oly	1		
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-16	Each	22.00		100496.00
					Total	100496.00
Item- 18	Erection equipm	n of materials for termination of Single/double conductor (ir ent.	ncluding sup	oply of cu	t-in insulator)	of overhead
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-18	Each	301.00	1435.00	431935.00
					Total	431935.00

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Item- 19	Erection	n of anti-creep with 9T insulator over & above as incl. in E3	4			
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-19	Each	86.00	3886.00	334196.00
					Total	334196.00
Item- 20	Erection	n of section insulator assembly including core and cut-in ins			T T	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-20	Each	22.00	5947.00	130834.00
					Total	130834.00
Item- 21	1	n 25KV solid core cut-in insulator				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-21	Each	22.00	908.00	19976.00
	1				Total	19976.00
Item- 22		n of 25KV solid core suspension insulator	1			
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-22	Each	22.00	1063.00	23386.00
					Total	23386.00
Item- 23	Erection	n of 25KV Post/Support insulator	1		<del> </del>	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-23	Each	22.00	849.00	18678.00
					Total	18678.00
Item- 24	Erection	n of 10 KVA Change over panel as per RDSO spec. suitable	e for 10 KV	A AT sup	ply	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-24	Each	12.00	3109.00	37308.00
					Total	37308.00
Item- 31	A-Erect	ion & commissioning of auxiliary transformer 5 & 10 KVA in g device	cluding DO	fuse ass	embly, LV bo	x & anti
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-31 A	Each	9.00	6186.00	55674.00
					Total	55674.00
Item- 31	Erection device	n & commissioning of auxiliary transformer 25 KVA includin	g DO fuse a	assembly	, LV box & ar	iti climbing
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-31 B	Each	3.00	13338.00	40014.00
					Total	40014.00
Item- 34		n of overhead equipment, including catenary, contact, jump us type of boards	er and dro	oper wire	s, fixing of nu	mber plates
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-34	Per Track KM	43.00	64108.00	2756644.00
			-		Total	2756644.00
Item- 35	Transp	ortation & laying of 10X2.5/2X2.5/2X4 Sq.mm PVC insulate	d stranded	copper c	able for contr	ol and
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-35	Metre	43.00	15.00	645.00
					Total	645.00

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Item- 36	Transp	ortation & laying of 2x70 Sq.mm PVC insulated stranded a	luminium ca	able from	AT to DB	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-36	Metre	8600.00	48.00	412800.00
					Total	412800.00
Item- 38	Erection	of 150 sqmm copper feeder wire.		ı		
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-38	Metre	2150.00	33.00	70950.00
					Total	70950.00
Item- 41	Transfe	r of OHE from one support to another and adjustment of o	droppers	1	-	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-41	Numbers	258.00	4763.00	1228854.00
-					Total	1228854.00
	Disman	tling & removal of OHE complete with cantelever, dropper	s, contact 8	catenary	wire etc.	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-43	Kilometre	4.00	36873.00	147492.00
ı					Total	147492.00
Item- 44	Disman	tling & removal of Auxiliary transformer with DO fuse		+		
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-44	Each	4.00	4112.00	16448.00
					Total	16448.00
Item- 45	Disman	tling & removal of Isolator complete				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-45	Each	6.00	3435.00	20610.00
					Total	20610.00
Item- 46	Disman	tling & removal of Mast, portal, TTC $\&$ other small part ste	el			
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-46	MT	22.00	6937.00	152614.00
					Total	152614.00
Item- 47	Breakin	g of concrete foundation of Masts, portals & TTC				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-47	Each	43.00	2654.00	114122.00
					Total	114122.00
Item- 48	Disman	tling & removal of Guy rod assembly				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-48	Each	22.00	1277.00	28094.00
					Total	28094.00
Item- 50	Providir	g (Supply & erection) of Sectioning diagram board at stat	ions			
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-50	Each	9.00	10154.00	91386.00
I.			- <del>-</del>	•	Total	91386.00
110111- 34	-	ortation of Railway supply materials from Railways depots I from work site to Railway depot.	to work site	OR Tran	sportation of	Released
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount

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Normal	T	1		1		, , , , , , , , , , , , , , , , , , ,	
No   No   No   No   No   No   No   No	1	1	E-54	MT	129.00		647580.00
No.   No.		ı					
No	Item- 55			under pow	er and /o	r Traffic block	is subject to
No.   Item   Se   Technical Assistant - TRID     Item   No.   Item   No.   Item   No.   Item   No.   Item   No.   No.   No.   No.   No.   Item   No.   No.	S No.		Description of Item	Unit	Qty	Rate	Amount
Item	1	1	E-55	Lumpsum	1.00	4127960.00	4127960.00
S No.						Total	4127960.00
No	Item- 56	Technic	cal Assistant- TRD				
	S No.		Description of Item	Unit	Qty	Rate	Amount
Item	1	1	E-56		24.00		1258536.00
S No.   Item   No						Total	1258536.00
No	Item- 57	Office A	Assistant				
No.   Item	S No.		Description of Item	Unit	Qty	Rate	Amount
	1	1	E-57		24.00	52439.00	1258536.00
S No.   Item   No   Description of Item   Per Day   720.00   1609.00   1158480.00						Total	1258536.00
No	Item- 58	Providi	ng vehicle for supervision of work.	T	•		
Total   1158480.00	S No.		Description of Item	Unit	Qty	Rate	Amount
Item-59	1	1	E-58	Per Day	720.00	1609.00	1158480.00
S No.   Item   No						Total	1158480.00
No	Item- 59	Providi	ng utility van for tower wagon crew, shifting of man and mat	terial for the	e work.		
Total   1182240.00     Schedule   Schedule   F-(T&P   Items)     Item-1   Pull lift machine 3 tonne pulling capacity and 3 tonne lifting capacity Make Tracel Tirfer India Pvt Ltd or similar	S No.		Description of Item	Unit	Qty	Rate	Amount
Schedule   Schedule	1	1	E-59	Per Day	720.00	1642.00	1182240.00
Rem-1   Pull lift machine 3 tonne pulling capacity and 3 tonne lifting capacity Make Tracel Tirfer India Pvt Ltd or similar   S No.   Item   No						Total	1182240.00
S No.   Item   No	Schedule						
No	Item- 1	Pull lift	machine 3 tonne pulling capacity and 3 tonne lifting capacit	y Make Tra	acel Tirfe	r India Pvt Ltd	l or similar
Item-2   Pull lift machine 5.2 tonne pulling capacity and 3.2 tonne lifting capacity Make Tracel Tirfer India Pvt Ltd or similar	S No.		Description of Item	Unit	Qty	Rate	Amount
Item-2   Pull lift machine 5.2 tonne pulling capacity and 3.2 tonne lifting capacity Make Tracel Tirfer India Pvt Ltd or similar	1	1	F-1	Numbers	2.00	28011.00	56022.00
S No.   Item   No		ı					
No	Item- 2		machine 5.2 tonne pulling capacity and 3.2 tonne lifting cap	acity Make	Tracel T	irfer India Pv	t Ltd or
Item-3   Pull lift machine 1.5 tonne pulling capacity and 2 tonne lifting capacity Make Tracel Tirfer India Pvt Ltd or similar   S No.   Item   No	S No.		Description of Item	Unit	Qty	Rate	Amount
Item- 3     Pull lift machine 1.5 tonne pulling capacity and 2 tonne lifting capacity Make Tracel Tirfer India Pvt Ltd or similar       S No.     Item No     Description of Item     Unit     Qty     Rate     Amount       1     1     F-3     Numbers     2.00     17127.00     34254.00       Item- 4 Earthing discharge rod complete.       S No.     Item No     Description of Item     Unit     Qty     Rate     Amount       1     1     F-4     Numbers     3.00     11503.00     34509.00       Total     34509.00	1	1	F-2	Numbers	2.00	27781.00	55562.00
S No.         Item No         Description of Item         Unit         Qty         Rate         Amount           1         1         F-3         Numbers         2.00         17127.00         34254.00           Item-4 Earthing discharge rod complete.           S No.         Item No         Description of Item         Unit         Qty         Rate         Amount           1         1         F-4         Numbers         3.00         11503.00         34509.00           Total         34509.00							
No         Numbers         2.00         17127.00         34254.00           Total         34254.00           Item- 4         Earthing discharge rod complete.           S No.         Item No         Description of Item No         Unit Unit Unit Unit Unit Unit Unit Unit	Item- 3	Pull lift	machine 1.5 tonne pulling capacity and 2 tonne lifting capac	city Make T	racel Tir	fer India Pvt L	td or similar
Total 34254.00   Item- 4   Earthing discharge rod complete.   S No.   Item   Description of Item   Unit   Qty   Rate   Amount	S No.		Description of Item	Unit	Qty	Rate	Amount
Item- 4         Earthing discharge rod complete.           S No.         Item No         Description of Item No         Unit Qty         Rate Amount           1         1         F-4         Numbers         3.00         11503.00         34509.00           Total         34509.00	1	1	F-3	Numbers	2.00	17127.00	34254.00
S No.         Item No         Description of Item         Unit         Qty         Rate         Amount           1         1         F-4         Numbers         3.00         11503.00         34509.00           Total         34509.00						Total	34254.00
No         Numbers         3.00         11503.00         34509.00           Total         34509.00	Item- 4	Earthin	g discharge rod complete.				
Total 34509.00	S No.		Description of Item	Unit	Qty	Rate	Amount
	1	1	F-4	Numbers	3.00	11503.00	34509.00
Item- 5 Aluminium straight ladder (9.3 m) with hook on top.						Total	34509.00
	Item- 5	Alumini	um straight ladder (9.3 m) with hook on top.			<u> </u>	

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S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-5	Numbers	3.00	15924.00	47772.0
	T				Total	47772.0
Item- 6	1	um folding ladder (11 m) with hook on top.	1 1			
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-6	Numbers	3.00	47709.00	143127.0
	1				Total	143127.0
Item- 7	Portable	e electric drill machine21mm, single phase	230 Volt ( for drilling rails fo	r bondin	g).	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-7	Numbers	3.00	7792.00	23376.0
					Total	23376.0
Item- 8	Contac	wire cutter 36".				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-8	Numbers	3.00	6042.00	18126.0
					Total	18126.0
Item- 9	Droppe	r wire cutter 12".			T	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-9	Numbers	3.00	5275.00	15825.0
					Total	15825.0
Item- 10		sleeve pully block 3 1/2" x 1/2" groove steel	1			
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-10	Numbers	3.00	8272.00	24816.0
					Total	24816.0
Item- 11	Contac	wire twist cum bender 6"	<u> </u>		T	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-11	Numbers	3.00		5979.0
	•				Total	5979.0
Item- 12	Steel sl	ing 1m long, eye at each end 19 mm dia.				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-12	Numbers	3.00	996.00	2988.0
					Total	2988.0
Item- 13	Steel sl	ing 2m long, eye at each end 19 mm dia.				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-13	Numbers	3.00	1177.00	3531.0
					Total	3531.0
Item- 14	Steel sl	ing 3m long, eye at each end 19 mm dia.			·	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-14	Numbers	3.00	1384.00	4152.0
					Total	4152.0
Item- 15	1	ing 4m long, eye at each end 19 mm dia.	1		<u> </u>	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-15	Numbers	3.00	1738.00 <b>Total</b>	5214.0 <b>5214.0</b>

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Item- 16	Steel sl	ing 5m long, eye at each end 19 mm dia.				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-16	Numbers	3.00	5145.00	15435.00
					Total	15435.00
Item- 17	Fabric	metric tape 30 mtr long 15 mm wide each				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-17	Numbers	3.00	927.00	2781.00
					Total	2781.00
Item- 18	Engine	ering ratchet with socket set				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-18	Numbers	3.00	5393.00	16179.00
					Total	16179.00
Item- 19	Earth M	legger/tester				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-19	Numbers	3.00	7757.00	23271.00
					Total	23271.00
Item- 20	Screw	driver set consisting of 6", 8", !2", 16" & 18	"			
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-20	Set	3.00	1879.00	5637.00
				_	Total	5637.00
Item- 21	Insulate	ed cutting plier (12") & (8")				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-21	Set	3.00	648.00	1944.00
					Total	1944.00
Item- 22	Sprit le	vel (12") & (6")				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-22	Set	3.00	7301.00	21903.00
					Total	21903.00
Item- 23	Tenson	neter IDT-10 Ton capacity.				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-23	Numbers	2.00	23973.00	47946.00
					Total	47946.00
Item- 24	Hydrau	lic crimping tool.			•	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-24	Numbers	2.00	20379.00	40758.00
					Total	40758.00
Item- 25	Bench	grinder (Double end pedeswtal) Motor driv	ven.			
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-25	Numbers	1.00	42666.00	42666.00
			•	•	Total	42666.00

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S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-26	Numbers	3.00	2183.00	6549.00
			<u> </u>		Total	6549.00
Item- 27	Syren c	overing distance one kilometer (Electric).			•	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-27	Numbers	3.00	9104.00	27312.00
	•				Total	27312.00
Item- 28	High Be	am (Range 1 km) rechargeable 15W LED torch			,	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-28	Numbers	3.00		13128.00
	•				Total	13128.00
Item- 29	D' Spar	ner double ended 24 sizes in a set of 12 pieces Gedore m	ake or equi	valent		
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-29	Numbers	3.00		6651.00
	1				Total	6651.00
Item- 30	Ring sp make.	anner double ended 24 sizes in a set of 12 pieces Gedore	make or an	y other s	substantially e	quipment
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-30	Numbers	3.00	5086.00	15258.00
	1				Total	15258.00
Itam 20	Providir	ng temporary lighting & accomodation arrangment during n	ight working	g and TW	VO by portable	
Item- 32		Set on hiring basis comlete with fuel, oil, acessories and a	-			
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-32	Per Day	48.00	9592.00	460416.00
	,				Total	460416.00
		ation documents, SWR, App G, Display Notice boards, key				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-33	Per Track KM	43.00	5463.00	234909.00
					Total	234909.00
Item- 34	Tree Tr	imming for OHE section				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-34	Per Unit	43.00		18791.00
					Total	18791.00
Item- 35		odation facilities for officers.	<del>, ,</del>		, ·	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	E-35	Per Day	43.00	3522.00	151446.00
	1				Total	151446.00
Item- 36	Accomo	odation facilities for Site Engineers.	<del>, ,</del>		·	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	F-36	Per Day	129.00		322500.00
					Total	322500.00
Item- 37	Groves	Helmet, safety items for operating and electrical staff at all	l station and	LC gate	·.	

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S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	1	F-37	Lumpsum	1.00	32774.00	32774.00		
	•				Total	32774.00		
Item- 38	laptop f	installation, testing and commissioning of Overhead line in for current collection test conforming to RDSO spec. No. Tl. nics, Pacific dynamics Global enterprise	•					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	1	F-38	Numbers	1.00	302610.00	302610.00		
	•		•		Total	302610.00		
Item- 39		for operation of maintenance equipment and rawing(AutoCAM, 1TB HDD/SDD, 4GB,Graphics, preferred.	CAD), Speci	fication: (	Core i5 ,Wind	ows 10/11,		
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	1	F-39	Numbers	2.00	77000.00	154000.00		
					Total	154000.00		
Item- 40	specific ROPES	SITC of Galvanised steel flexible traction wire bond with lug both end crimped, length 3.0 mtr as per RDSO's specification No. TI/SPC/OHE/GALSTB/0040 with A&C slip No. 1 (8/2005) or latest Make-M/s BHARAT WIRES ROPES Limited Mumbai, M/s MAC Enginners Mumabai, M/s Shree Steel Wires Ropes Limited, M/s AURACAB Industries LLP-Sonipat. Haryana, Or RDSO/CORE approved manufacturer						
S No.	Item	Description of Item	Unit	Qty	Rate	Amount		
	No							
1	1	F-40	Numbers	129.00	1258.00	162282.00		
					Total	162282.00		

#### 4. ELIGIBILITY CONDITIONS

#### **Special Financial Criteria**

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

#### **Special Technical Criteria**

S.No.	Description	Confirmation	Remarks	Documents
		Required	Allowed	Uploading

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10.1 Technical Eligibility Criteria: (a)The tenderer must have successfully completed or substantially completed any one of the following categories of work(s) during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: (i)Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, or (ii)Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, or (iii)One similar work costing not less than the amount equal to 60% of advertised value of the tender. (b) (1)In case of tenders for composite works (e.g. works involving more than one distinct component, such as Civil Engineering works, S&T works, Electrical works, OHE works etc. and in the case of major bridges - substructure, superstructure etc.), tenderer must have successfully completed or substantially completed any one of the following categories of work(s) during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: (i)Three similar works each costing not less than the amount equal to 30% of advertised value of each component of tender, or (ii)Two similar works each costing not less than the amount equal to 40% of advertised value of each component of tender. Note for b(1): Separate completed works of minimum required values shall also be considered for fulfillment of technical eligibility criteria for different components. (b)(2)In such cases, what constitutes a component of technical eligibility, shall be clearly pre-defined with estimated tender cost of it, as part of the tender occuments without any ambiguity. (b) (3) To evaluate the technical eligibility of tenderer, only components of work as stipulated in tender documents for evaluation of technical eligibility, shall be considered. The scope of work covered in other remaining components shall be either executed by tenderer himself if he has work experience as mentioned in clause 7 of the Standard General Conditions of Contract	No	No	Allowed (Mandatory)

#### **Submission of Document Verification Certificate**

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

#### 5. COMPLIANCE

#### Commercial-Compliance

S.No.	Description	Confirmation	Remarks	Documents
		Required	Allowed	Uploading

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1	2.15.00 CARE IN SUBMISSION OF TENDER: (As per Railway Board's letter No 2017/CE-I/CT/4/GST dated 23.06.2017) i.Before submitting a tender, the tender will be deemed to have satisfied himself by actual inspection of the site and locality of the works, that all conditions liable to be encountered during the execution of the works are taken into account and that the rates he enters in the tender forms are adequate and all inclusive to accord with the provisions in clause - 37 of the Standard General conditions of contract for the completion of works to the entire satisfaction of the Engineer. ii.Tenders will examine the various provisions of the Central Goods and service Tax Act, 2017 (CGST) / Integrated Goods and Service Tax Act, 2017(IGST) / Union Territory Goods and Service Tax Act, 2017(UTGST) / respective state's State Goods and Service Tax Act (SGST) also, as notified by Central / State Govt. & as amended from time to time and applicable taxes before bidding. Tenderers will ensure that full benefit of Input Tax credit (ITC) likely to be availed by them is duly considered while quoting rates. iii.The successful tenderer who is liable to be registered under CGST/IGST/UTGST/SGST Act shall submit GSTIN along with other details required under CGST/IGST/UTGST/SGST Act to railway immediately after the award of contract, without which no payment shall be released to the contractor. The contractor shall be responsible for deposition of applicable GST to the concerned authority. iv.In case the successful tenderer is not liable to be registered under CGST/IGST/UTGST/SGST Act, the railway shall deduct the applicable GST from his/their bills under reverse charge mechanism (RCM) and deposit the same to the concerned authority.	No	No	Allowed (Mandatory)
2	Please enter the percentage of local content in the material being offered. Please enter 0 for fully imported items, and 100 for fully indigenous items. The definition and calculation of local content shall be in accordance with the Make in India policy as incorporated in the tender conditions.	No	Yes	Allowed (Optional)

#### **General Instructions**

S.No.	Description	Confirmation	Remarks	Documents
		Required	Allowed	Uploading

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1.02INSTRUCTIONS TO THE TENDERER(S) 1. The E- Tenders document shall consist of:- a)Annexed Documents to the Tender Documents which includes (i)Top Sheet (Chapter-1), (ii) Instructions to the Tender(s), (iii) Eligibility Criteria (iv) General Condition of Contract, (v) Special Contract, (vi) Addl. Special Conditions of Contract i.e. Technical Conditions, (vii) Guidelines for participation of JV Firms, MOU for JV Participation & JV Agreement, (viii) Contractor's Familiarization (ix) Annexures and b)Indian Railways Standard General Conditions of Contract 2014 with correction slips up to the date of closing of tender. 2.Before submitting the offer, please read carefully complete E-tender document including instructions to Tenderers, Indian Railways Standard General Conditions of Contract, Additional Special Conditions of Contract, Special Conditions of Contract, Special Conditions of Contract, Special Conditions of Contract, Special Conditions of Contract i.e. Technical Conditions etc. as available on the web site www.ireps.gov.in. Please do not leave any lapses which may lead to declaration of your offer as INVALID. 3. Your digital signature on the E-Tender from will be considered as your confirmation that you have read and accepted all the conditions laid down in the documents as well as schedule of tender consisting of technical bid form (including special conditions attached to E-Tender) and Financial offer form, unless specific deviation is quoted in the technical bid. 4.Payment of EMD& TDC:- Payment of Earnest Money Deposit (EMD) & tender document cost (TDC) in respect of e-tendering should be accepted through Net banking or payment gateway only. Note- Fixed Deposite Receipt (FDR) will not be accepted as EMD for Tenders invited on IREPS (E-tender portal) (Ref- Railway board letter no 2015/CE-I/CT/5/1 Dated 31-8-2016.) 5. The cost of tender document shall not be clubbed with the Earnest Money Deposit. a.The E-bid submitted without requisite cost of tender document in appropriate form is to be summarily reject	No	No	Not Allowed

#### **Technical-Compliances**

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

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

S.No.	Document Name	Document Description
1	ii- IrepsuploadTRDTendDoc16PhaseIOHE- 150223.pdf	Tender documents16

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

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

Signed By: AJIT KUMAR ALOK

Designation: Dy.CEE-C-ADI

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