

BOQ/PRICE BID

SUPPLY OF MATERIALS

Item no.	Description	Unit	Quantity	Rate (₹)	Amount (₹)
1	Tower & Accessories Tangent Tower (A type)				
a	Superstructures				
i	Galvanized iron nuts and bolts with washer step bolts etc.	MT	0.2		
b	Stub set of four (partially galvanized)	MT	0.155		
i	Galvanized iron nuts and bolts with washer step bolts etc.	MT	0.005		
2	3 meter Extension Body,				
a	Superstructures				
i	Galvanized iron nuts and bolts with washer step bolts etc.	MT	0.045		
4	Stub setting template	MT	0.275		
5	Power Conductor				
6	Insulator				
i	Poecelain Disc insulator, 70 kN (9 discs) including all hardware fittings clamps etc.	Nos	54		
7	Power conductor accessories				
i	Stock bridge vibration damper Ckt-1: 6 nos, ckt-2: 6 nos	Nos	12		
ii	Preformed armoured rods	Sets	12		
8	Tower accessories				
i	Supply of Danger plate	Nos	1		
ii	Supply of Phase plate	Nos	3		
iii	Supply of Number plate	Nos	1		
iv	Supply of Bird guard	Sets	1		
v	Supply of Anti-Climbing device	Sets	1		

F&I AGAINST THE SUPPLY

Item no.	Description	Unit	Quantity	Rate (₹)	Amount (₹)
1	Tower & Accessories Tangent Tower (A type)				
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i	Galvanized iron nuts and bolts with washer step bolts etc.	MT	0.005		
2	3 meter Extension Body,				
a	Superstructures				
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7	Power conductor accessories				
i	Stock bridge vibration damper Ckt-1: 6 nos, ckt-2: 6 nos	Nos	12		
ii	Preformed armoured rods	Sets	12		
8	Tower accessories				
i	Supply of Danger plate	Nos	1		
ii	Supply of Phase plate	Nos	3		
iii	Supply of Number plate	Nos	1		
iv	Supply of Bird guard	Sets	1		
v	Supply of Anti-Climbing device	Sets	1		

ERECTION

Item no.	Description	Unit	Quantity	Rate (₹)	Amount (₹)
1	Super structure erection including transportation of structures by any means and distribution of structures and accessories from stores to site excluding fixing of danger plate, number plate, anti climbing device, hosting of insulators and painting				
	Normal tower (A type)	MT	3.16		
	3 mtr extension body	MT	0.775		
2	Power conductor				
a	Opening and lowering of conductor including all hardware fittings	Per ckm	2.60		
b	Restringing of snapped conductor due to disc failure of failure of conductor	Per ckm	2.60		
3	Grouding of towers with 3 mtr long 25mm dia GI pipe including cost of all related materials	Nos	1		
4	Replacement of damaged (old) disc insulator of suspension point per string	Per string	6		
5	Erection of hardware fittings like vibration dampers	Per job	6		
6	Replacement of Vibration dampers 2 vibration dampers per ckt	Per job	6		
7	Erection of				
a	Danger plate	Nos	1		
b	Phase plate	Nos	3		
c	Number plate	Nos	1		
d	Bird guard	Sets	1		
e	Anti-Climbing device	Sets	1		
8	PCC & RCC work upto 1.2 meters from ground level	Per leg	4		
9	Painting of tower (A+3)	Per 3 mtr	1		

DISMANTLING OF THE OLD TOWER

SI No	Item Description	Unit	Quantity	Rate (₹)	Amount (₹)
1	Dismantling of the complete tower and transport of the same to the store.	MT	3.16		

ERECTION OF ERS TOWER FOR TOWER

SI No	Item Description	Unit	Quantity	Rate (₹)	Amount (₹)
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1	Erection of ERS tower including to & fro transportation	No	2		
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FOUNDATION

Sl no.	Description	Unit	Qty	Rate	Amount(Rs.)
1	Earthwork in excavation by Mechanical means (Hydraulic Excavator/ manual means over areas (exceeding 30 cm in depth and 1.5 m in width as well as 10sqm in plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m , as directed by Engineer in charge	Cum	76.14		
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth 4.1.6 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 40 mm nominal size derived from natural sources)	cum	1.57		
3	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.. 5.22.6 Thermo-Mechanically Treated bars of grade Fe-500D or more.	kg	877.281		
4	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 5.1.2 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	12.71		
5	Centering and shuttering including strutting, propping etc. and removal of form for 5.9.1 Foundations, footings, bases of columns, etc. for mass concrete	Sqm	58.97		
6	Head load and transportation of materials and equipment to the tower location.	job	1		

**Rearrangement & Installation Part for OPGW
Hardware fitting and assesories**

Sl no.	Description	Unit	Qty	Rate	Amount(Rs.)
1	Backpulling of OGW & restringing of 24 fiber OPGW (inclusive of dismantling of tension assembly & suspension assembly	km	1.06		

2	OPGW 24 fiber splicing and jointing work at interface joint kit	nos	2.00		
3	installation of vibration damper 4 nos	Complete Job	1.00		
4	installation of Suspension assembly 2 nos				
5	installation of tension assembly 1 nos				
6	Tools and tackels for backfulling and stringing & transporation & to and fro				
7	Link Testing				
7.1	OTDR and LSPM test pre splicing & jointing works	LS	1.00		
7.2	OTDR and LSPM test post splicing & jointing works	LS	1.00		
TOTAL (INCLUDING GST)=					

Name & Signature of bidder