

Annexure-A						
Details of Owner Supplied Materials (OSM)						
Sl. No.	Item Description	Line Name>>	220kV Unchahar-Kanpur I&II	220kV Unchahar-Kanpur III&IV	400kV Unchahar-Fatehpur I&II	Total
		Unit	Qty			
1	Towers					
1.1	Fabrication, galvanizing & supply of various type of towers & tower parts, tower extensions (complete) excluding bolts & nuts, step bolts and stubs but including hangers, D-shackles, pack washers etc.					
	Normal Towers					
	i) HT Steel	MT	9.252	4.626	54.962	68.840
	ii)MS Steel	MT	15.568	7.784	47.120	70.472
1.2	Fabrication, galvanizing & supply of stubs & cleats of various type of towers, tower extensions (complete) excluding bolts & nuts					
	i) HT Steel	MT	0.925	0.463	3.753	5.141
	ii)MS Steel	MT			0.066	0.066
1.3	Supply of bolts and nuts, including step bolts and spring washers					
	i) For towers & tower extn.					
	a) Hexagonal Bolts & Nuts including step bolts	MT	1.036	0.518	3.576	5.130
	ii) For Stubs	MT	0.017	0.009	0.069	0.095
2.0	Supply of Earthing of Towers					
i)	Pipe Type Earthing	Nos	2	1	4	7
ii)	Shieldwire Earthing including PG clamps, Downlead clamps but excluding Earthwire bits					
	a) Pipe Type Earthing	Sets	1	1	1	3
iii)	Rod Type Earthing	Nos	2	1	4	7
3.0	Supply of following Tower Accessories					
	Bird Guard for I String	Sets			1	1
4.0	Supply of ACSR Zebra Conductor	Kms	5.727	3.933		9.660
5.0	Supply of ACSR Moose Conductor	Kms			18.859	18.859
6.0	Supply of 7/3.15 mm GS Earthwire	Kms		0.655		0.655
7.0	Supply of 7/3.66mm GS Earthwire	Kms			1.572	1.572
8.0	Accessories of Conductor & Earthwire					
(A)	ACSR Zebra Conductor and 7/3.15mm GS EW					
i)	Midspan Compression Joint for ACSR 'Zebra Conductor'	Nos	2	2		4
ii)	Midspan Compression Joint for 7/3.15 Earthwire	Nos		2		2
iii)	Repair Sleeves for ACSR Zebra Conductor	Nos	1	1		2
iv)	Flexible Al Bond	Nos		4		4
v)	Vibration Damper for 7/3.15 mm Earthwire	Nos		8		8
vi)	Earthwire tension Clamp for 7/3.15 mm Earthwire	Nos		4		4
vii)	Earthwire Suspension Clamps for 7/3.15 mm Earthwire	Nos				
(B)	ACSR Moose Conductor 7/3.66mm GS EW					
i)	Midspan Compression Joint for ACSR Moose Conductor	Nos			8	8
ii)	Repair Sleeves for ACSR Moose Conductor	Nos			2	2
iii)	Midspan Compression Joint for 7/3.66 mm Earthwire	Nos			1	1

Details of Owner Supplied Materials (OSM)

Sl. No.	Item Description	Line Name>>	220kV Unchahar-Kanpur I&II	220kV Unchahar-Kanpur III&IV	400kV Unchahar-Fatehpur I&II	Total
		Unit	Qty			
iv)	Earthwire suspension clamps for 7/3.66 mm Earthwire	Nos			1	1
v)	Earthwire tension clamp for 7/3.66 mm Earthwire	Nos			8	8
vi)	Flexible Aluminum bonds	Nos			9	9
9.0	OPGW Cable and Accessories					
i)	24 Fibre (DWSM) OPGW Fibre Optic Cable	kms	1.054		1.688	2.742
ii)	Suspension clamp assembly for 24 fibre OPGW	EA			1	1
iii)	Tension fitting assembly for 24F OPGW including all Accessories for joint Box	Nos	2		2	4
iv)	Tension assembly- Double Tension Pass through assembly for 24 Fibre OPGW	Nos	2		3	5
v)	Vibration Damper for 24 Fibre OPGW	EA	12		16	28
vi)	Down Lead clamp assembly for 24 fibre OPGW	Sets	53		64	117
vii)	Joint Box for 24 Fibre OPGW	EA	2		2	4