			Amended	BOQ			
	SUPPLY OF FOLLOWING EQUIPMENTS/ MATERIALS (As per technical specification and scope of work.)	UoM	Total Quantity=(A)	BASIC PRICE PER UNIT = (B)	GST Amount = (c)	TOTAL PRICE PER UNIT (In Rs) (D)= B+C	TOTAL PRICE FOR THE TENDER QUANTITY (E)= (A*D)
1	PC+6 Tower	No	2	NA			
2	UR+6 Tower	No	12	NA			
	DETAIL REQUIREMENT (To be quoted)						
1	Supply of GI PC '+6' EHT Tower for River crossing including all types of materials, as per technical specification and scope of work.						
Sl. No.	Description of items						
1	GI PC '+6' Tower super structure G.I (Main + Extention +Stub + Template), as per technical specification and scope of work.						
i)	PC Tower	MT	12.43				
ii)	'+6' Mtr. Extention	MT	4.68				
iii)	Template	MT	3.81				
2	GI Nut , Bolt & Washer of different sizes, as per technical specification and scope of work.						
i)	PC Tower	MT	3.31				
ii)	'+6' Mtr. Extention	MT	1.18				
3	Supply of Conductor and Accessories, as per technical specification and scope of work.						
i	232 mm2 AAAC, as per technical specification and scope of work.	Km	0.46				
ii	Earth wire 7/1.5 G.I, as per technical specification and scope of work.	Km	0.15				
iii	Double tension Hardware Fittings suitable for Conductor size.	Set	24				
iv	Disc insulator (B&S) 120 KN polymer type.	No's.	48				
v	Tension fittings suitable for Earth wire.	Set	4				
vi.	Vibration damper suitable for earth wire	No's.	4				
vii.	Vibration damper suitable for conductor size.	No's.	24				
viii	Copper flexible bond	No's.	2				
ix	Phase Plate (R,Y,B)	Set	12				
х	GI Tower Number Plate	No's.	4				
xi	Circuit Plate	No's.	4				
xii	Earthing Device & Associated Accessories (Heavy duty GI Perforated Pipe of ID=40mm & OD=50mm with 3000mm long for treated Earth Pit), as per technical specification and scope of work.	No's.	4				
xiii	Earthing Conductor: 50X6 mm (2.4Kg./Mtr.) GI Flat for Raiser from the burial earth mat to equipment, structure etc), as per technical specification and scope of work.	KG	200				
xiv	GI Danger Board	No's.	4				

xv	Bird Guard	No's.	24		
	Anticlimbing Device (G.I)	KG	211		
	Loop Connector	No's.	12		
2	Supply of GI UR '+6' EHT Tower for River crossing including all types of materials, as per technical specification and scope of work.	1103.			
1	GI UR '+6' Tower super structure G.I (Main + Extention +Stub + Template), as per technical specification and scope of work.				
i)	UR Tower	MT	326.04		
ii)	'+6' Mtr. Extention	MT	101.98		
iii)	Template	MT	36.22		
2	GI Nut, Bolt & Washer of different sizes, as per technical specification and scope of work.				
i)	UR Tower	MT	54.79		
ii)	'+6' Mtr. Extention	MT	14.11		
3	Supply of Conductor and Accessories, as per technical specification and scope of work.				
i	232 mm2 AAAC, as per technical specification and scope of work.	Km	5.56		
ii	Earth wire 7/1.5 G.I, as per technical specification and scope of work.	Km	1.85		
iii	Double tension Hardware Fittings suitable for Conductor size.	Set	288		
	Disc insulator (B&S) 120 KN polymer type.	No's.	576		
v	Tension fittings suitable for Earth wire.	Set	48		
vi.	Vibration damper suitable for earth wire	No's.	48		
vii.	Vibration damper suitable for conductor size.	No's.	288		
viii	Copper flexible bond	No's.	24		
ix	Phase Plate (R,Y,B)	Set	144		
х	GI Tower Number Plate	No's.	48		
xi	Circuit Plate	No's.	48		
	Earthing Device & Associated Accessories (Heavy duty GI Perforated Pipe of ID=40mm & OD=50mm with 3000mm long for treated Earth Pit), as per technical specification and scope of work.	No's.	48		
xiii	Earthing Conductor: 50X6 mm (2.4Kg./Mtr.) GI Flat for Raiser from the burial earth mat to equipment, structure etc), as per technical specification and scope of work.	KG	2400		
xiv	GI Danger Board	No's.	48		
	Bird Guard	No's.	288		
xvi	Anticlimbing Device (G.I)	KG	2534		
xvii	Loop Connector	No's.	144		
ТОТА ЕНТ Т	L OF SUPPLY COMPONENT OF THE WORKS CONTRACT FOR Towers				

	ERECTION, TESTING & COMMISSIONING INCLUDING CIVIL WORKS OF FOLLOWING EQUIPMENTS (As per technical specification and scope of work.)	UoM	Total Quantity=(A)	BASIC PRICE PER UNIT = (B)	GST Amount = (c)	TOTAL PRICE PER UNIT (In Rs) (D)= B+C	TOTAL PRICE FOR THE TENDER QUANTITY (E)= (A*D)
1	PC+6 Tower	No	2	NA			
2	UR+6 Tower	No	12	NA			
1	Erection, Testing & Commissioning of Materials of GI PC '+6' EHT Tower for River crossing including all types of materials, as per technical specification and scope of work.						
SI. No.	Description of items						
1	GI PC '+6' Tower super structure G.I (Main + Extention +Stub + Template), as per technical specification and scope of work.						
i)	PC Tower	MT	12.43				
ii)	'+6' Mtr. Extention	MT	4.68				
iii)	Template	MT	3.81				
2	GI Nut , Bolt & Washer of different sizes, as per technical specification and scope of work.						
i)	PC Tower	MT	3.31				
ii)	'+6' Mtr. Extention	MT	1.18				
3	Erection, Testing & Commissioning of Materials of Conductor and Accessories, as per technical specification and scope of work.						
i	232 mm2 AAAC, as per technical specification and scope of work.	Km	0.46				
ii	Earth wire 7/1.5 G.I, as per technical specification and scope of work.	Km	0.15				
iii	Double tension Hardware Fittings suitable for Conductor size.	Set	24				
iv	Disc insulator (B&S) 120 KN polymer type.	No's.	48				
v	Tension fittings suitable for Earth wire.	Set	4				
vi.	Vibration damper suitable for earth wire	No's.	4				
vii.	Vibration damper suitable for conductor size.	No's.	24				
viii	Copper flexible bond	No's.	2				
ix	Phase Plate (R,Y,B)	Set	12				
х	GI Tower Number Plate	No's.	4				
xi	Circuit Plate	No's.	4				
xii	Earthing Device & Associated Accessories (Heavy duty GI Perforated Pipe of ID=40mm & OD=50mm with 3000mm long for treated Earth Pit), as per technical specification and scope of work.	No's.	4				
xiii	Earthing Conductor: 50X6 mm (2.4Kg./Mtr.) GI Flat for Raiser from the burial earth mat to equipment, structure etc), as per technical specification and scope of work.	KG	200				
xiv	GI Danger Board	No's.	4				
XV	Bird Guard	No's.	24				
xvi	Anticlimbing Device (G.I)	KG	211				
xvii	Loop Connector	No's.	12				

1 GUR '+6' Tower super structure G.I (Main + Extention +Stub + Template), as per technical specification and scope of work. MT 326.04 i) UR Tower MT 101.98 ii) '+6' Mtr. Extention MT 36.22 ii) Template MT 36.22 ii) UR Tower MT 36.22 ii) UR Tower MT 54.79	
ii) '+6' Mtr. Extention MT 101.98 iii) Template MT 36.22 2 GI Nut, Bolt & Washer of different sizes, as per technical specification and scope of work. MT 36.22 i) UR Tower MT 54.79	
iii) Template MT 36.22 2 GI Nut , Bolt & Washer of different sizes, as per technical specification and scope of work. iii) WT 54.79 i) UR Tower MT 54.79 iii) iii) '+6' Mtr. Extention MT 14.11 3 Erection, Testing & Commissioning of Materials of Conductor and Accessories, as per technical specification and scope of work. Km 5.56 ii 232 mm2 AAAC, as per technical specification and scope of work. Km 1.85 ii Earth wire 7/1.5 G.I, as per technical specification and scope of work. Km 1.85 iii Double tension Hardware Fittings suitable for Conductor size. Set 288 iv Dise insulator (B&S) 120 KN polymer type. No's. 576 vi. Vibration damper suitable for conductor size. Set 48 vi. Vibration damper suitable for conductor size. No's. 48 viii Copper flexible bord No's. 24 ix Phase Plate (R.Y.B) Set 144 x GI Tower Number Plate No's. 48 xii Circuit Plate No's. <t< td=""><td></td></t<>	
2 GI Nut, Bolt & Washer of different sizes, as per technical specification and scope of work. MT 54.79 i) UR Tower MT 54.79 iii ii) '+6' Mtr. Extention MT 14.11 iii) 3 Erection, Testing & Commissioning of Materials of Conductor and Accessories, as per technical specification and scope of work. Km 14.11 ii 232 mm2 AAAC, as per technical specification and scope of work. Km 5.56 iii iii Davide tension Hardware Fittings suitable for Conductor size. Set 288 iii Disc insulator (B&S) 120 KN polymer type. No's. 576 iii iiii vii. Vibration damper suitable for carth wire. Set 48 iiii iiiiii viii. Volper flexible bond No's. 288 iiii iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	
2 specification and scope of work. MT 54.79 i) UR Tower MT 54.79 ii) '+'6' Mtr. Extention MT 14.11 3 Accessories, as per technical specification and scope of work. MT 14.11 i 232 mm2 AAAC, as per technical specification and scope of work. Km 5.56 ii Earth wire 7/1.5 G.I, as per technical specification and scope of work. Km 1.85 iii Double tension Hardware Fittings suitable for Conductor size. Set 288 vi Disc insulator (B&S) 120 KN polymer type. No's. 576 vi Vibration damper suitable for conductor size. Set 48 vii. Vibration damper suitable for conductor size. No's. 48 vii. Vibration damper suitable for conductor size. No's. 288 viii Copper flexible bond No's. 24 x GI Tower Number Plate No's. 48 xi GI Tower Number Plate No's. 48 xi Circuit Plate No's. 48 xii Gi Tower with 3000mm long for treated Earth Pir	
ii) '46 Mtr. Extention MT 14.11 Image: constraints of the second	
3 Erection, Testing & Commissioning of Materials of Conductor and Accessories, as per technical specification and scope of work. Image: Commission of Materials of Conductor and Accessories, as per technical specification and scope of work. Image: Km 5.56 ii 232 mm2 AAAC, as per technical specification and scope of work. Km 1.85 Image: Commission of Materials of Conductor size. Image: Commission of Materials of Conductor size. Set 288 Image: Commission of Materials of Conductor size. Image: Commission of Materials of Conductor size. Set 288 Image: Commission of Materials of Conductor size. Set 48 Image: Commission of Materials of Conductor size. Set 48 Image: Commission of Materials of Conductor size. Set 48 Image: Commission of Materials of Conductor size. Set 48 Image: Commission of Materials of Conductor size. Set 48 Image: Commission of Materials of Conductor size. Set 48 Image: Commission of Materials of Conductor size. No's. 48 Image: Commission of Materials of Conductor size. Set 48 Image: Commission of Materials of Conductor size. Set 48 Image: Commission of Materials of Commission of Materials of Commission of Materials of Conductor size. No's. 24 Image: Commission of Materials of Commission of Materials of Commission of Moterials of Commission of Materials of Co	
3Accessories, as per technical specification and scope of work.Km5.56i232 mm2 AAAC, as per technical specification and scope of work.Km1.85iiEarth wire 7/1.5 G.I, as per technical specification and scope of work.Km1.85iiiDouble tension Hardware Fittings suitable for Conductor size.Set288ivDisc insulator (B&S) 120 KN polymer type.No's.576vTension fittings suitable for Earth wire.Set48vi.Vibration damper suitable for conductor size.No's.48vii.Vibration damper suitable for conductor size.No's.24vii.Copper flexible bondNo's.24ixPhase Plate (R,Y,B)Set144xGI Tower Number PlateNo's.48xii.of ID=40mm & OD=50mm with 3000mm long for treated Earth Pit), asNo's.48	
ii Earth wire 7/1.5 G.I, as per technical specification and scope of work. Km 1.85 iii Double tension Hardware Fittings suitable for Conductor size. Set 288 iv Disc insulator (B&S) 120 KN polymer type. No's. 576 v Tension fittings suitable for Earth wire. Set 48 vi. Vibration damper suitable for conductor size. No's. 48 vi. Vibration damper suitable for conductor size. No's. 288 vii. Vibration damper suitable for conductor size. No's. 48 vii. Vibration damper suitable for conductor size. No's. 288 viii Copper flexible bond No's. 24 ix Phase Plate (R,Y,B) Set 144 x GI Tower Number Plate No's. 48 xi Circuit Plate No's. 48 Earthing Device & Associated Accessories (Heavy duty GI Perforated Pipe xii of ID=40mm & OD=50mm with 3000mm long for treated Earth Pit), as No's. 48	
iiiDouble tension Hardware Fittings suitable for Conductor size.Set288ivDisc insulator (B&S) 120 KN polymer type.No's.576vTension fittings suitable for Earth wire.Set48vi.Vibration damper suitable for earth wireNo's.48vii.Vibration damper suitable for conductor size.No's.288viii.Vibration damper suitable for conductor size.No's.288viii.Vibration damper suitable for conductor size.No's.288viii.Copper flexible bondNo's.24ixPhase Plate (R,Y,B)Set144xGI Tower Number PlateNo's.48xiCircuit PlateNo's.48xiiof ID=40mm & OD=50mm with 3000mm long for treated Earth Pit), asNo's.48	
ivDisc insulator (B&S) 120 KN polymer type.No's.576vTension fittings suitable for Earth wire.Set48vi.Vibration damper suitable for earth wireNo's.48vii.Vibration damper suitable for conductor size.No's.288viiiCopper flexible bondNo's.24ixPhase Plate (R,Y,B)Set144xGI Tower Number PlateNo's.48xiCircuit PlateNo's.48xiiCircuit PlateNo's.48xiiifild=40mm & OD=50mm with 3000mm long for treated Earth Pit), asNo's.48	
vTension fittings suitable for Earth wire.Set48Image: suitable for Earth wireNo's.vi.Vibration damper suitable for conductor size.No's.48Image: suitable for Conductor size.Image: suitable for Conductor size	
vi.Vibration damper suitable for earth wireNo's.48Image: constraint of the second s	
vii.Vibration damper suitable for conductor size.No's.288Image: Conductor size in the	
viiiCopper flexible bondNo's.24Image: Copper flexible bondImage: Copper flexible bondixPhase Plate (R,Y,B)Set144Image: Copper flexible bondImage: Copper flexible bondxGI Tower Number PlateNo's.48Image: Copper flexible bondImage: Copper flexible bondxGI Tower Number PlateNo's.48Image: Copper flexible bondImage: Copper flexible bondxiCircuit PlateNo's.48Image: Copper flexible bondImage: Copper flexible bondxiiof ID=40mm & OD=50mm with 3000mm long for treated Earth Pit), asNo's.48Image: Copper flexible bond	
ix Plate Plate (R,Y,B) Set 144 x GI Tower Number Plate No's. 48 xi Circuit Plate No's. 48 Earthing Device & Associated Accessories (Heavy duty GI Perforated Pipe xii of ID=40mm & OD=50mm with 3000mm long for treated Earth Pit), as No's. 48	
x GI Tower Number Plate No's. 48 Image: Second seco	
xi Circuit Plate No's. 48 Control <	
Earthing Device & Associated Accessories (Heavy duty GI Perforated Pipe of ID=40mm & OD=50mm with 3000mm long for treated Earth Pit), as No's. 48	
xii of ID=40mm & OD=50mm with 3000mm long for treated Earth Pit), as No's. 48	
Earthing Conductor: 50X6 mm (2.4Kg./Mtr.) GI Flat for Raiser from the burial earth mat to equipment, structure etc), as per technical specification and scope of work.	
xiv GI Danger Board No's. 48	
xv Bird Guard No's. 288	
xvi Anticlimbing Device (G.I) KG 2534	
xvii Loop Connector No's. 144	
3 Civil Work for PC '+6' EHT Tower, as per technical specification and scope of work.	
1Detail Survey of lines profile plotting, spotting and marking, as per technical specification and scope of work.No's.2	
2 Soil Investigation, Design, Egg., Including Report submission and approval. No's 2	
3 Levelling and Backfilling to prepare required land. Cum 50	

		1	1		1
4	Excavation in all type soil and rocks and back filling (back filling shall be done in layers of 500mm sprinkling of water and compaction thereafter and disposed of excess quantity of excavated soil at suitable place after back filling), & if required for filling the foundation, borrowed earth/murrum/sand shall be brought for filling and compaction, including supply of sand, all T&P, labour as required.				
4.1	Soft and loose soil	Cum	100		
5	Boring for under reemed cast in situ piling with bentonite showing for stabilisation of bore:- Pile diameter (1000 MM) and approximate length of the bore is 25 Mtrs BY DMC method as per approved drawing.	Mtr. length	200		
6	Supply of all materials like cement, steel, all coarse aggregates, fine aggregates and making pile foundations of the required Tower foundation, including supply of all materials, labours and T&P as per specification in the RCC :1:1:2 (Grade M-25.) (with cost of cement and without steel)	Cum	157.04		
7	Steel of different size(as per design) with cutting, bending, binding in position of M.S.Rod for reinforcement of foundation concret of pile of towers including supply of binding wire. (With supply of steel rod (TATA/RINL/SAIL make))	МТ	13.6		
8	Supply and putting of MS liner of 6mm thickness and 1000mm dia as per approved drawing and as per instruction of engineer in charge.	MT	29.4		
9	Pile riser, cap, tie-beam with RCC: 1:1.5:3 (Grade M-20), including supply of all materials like Cement, coarse and fine aggregates, shuttering and supply of labours, de-watering, proper curing of the foundations/concrete and T&P in line with the Specification and as per direction of Engineer in Charge. (with cost of cement and without steel)	Cum	140		
10	Steel of different size(as per design) with cutting, bending, binding in position of M.S.Rod for reinforcement of foundation concret of pile riser, cap and tie beam including supply of binding wire. (With supply of steel rod (TATA/RINL/SAIL make))	МТ	11		
11	Design, Engineering, Providing and laying of plain cement concrete (PCC 1:3:6) of grade M10 with approved quality coarse aggregates (Nominal size 12mm to 20mm), fine aggregates, cement in tower foundation as blind layer inclusive of labour charges for concrete mixing & curing. This includes supply of all labourers, T&P and dewatering wherever required as per Technical specification and instruction of Engineer In charge.(With Cement)	Cum	10		
12	Shoring And Shuttering required in wet or special locations with supply of all materials, T&P and Labour.(Required for riser works above ground level)	Sq.Mtr	200		
4	Civil Work for UR '+6' EHT Tower, as per technical specification and scope of work.				

					1
1	Detail Survey of lines profile plotting, spotting and marking, as per technical specification and scope of work.	No's.	12		
2	Soil Investigation, Design, Egg., Including Report submission and approval.	No's	12		
3	Levelling and Backfilling to prepare required land.	Cum	300		
4	Excavation in all type soil and rocks and back filling (back filling shall be done in layers of 500mm sprinkling of water and compaction thereafter and disposed of excess quantity of excavated soil at suitable place after back filling), & if required for filling the foundation, borrowed earth/murrum/sand shall be brought for filling and compaction, including supply of sand, all T&P, labour as required.				
4.1	Soft and loose soil	Cum	600		
5	Boring for under reemed cast in situ piling with bentonite showing for stabilisation of bore:- Pile diameter (1000 MM) and approximate length of the bore is 25 Mtrs BY DMC method as per approved drawing.	Mtr. length	1200		
6	Supply of all materials like cement, steel, all coarse aggregates, fine aggregates and making pile foundations of the required Tower foundation, including supply of all materials, labours and T&P as per specification in the RCC :1:1:2 (Grade M-25.) (with cost of cement and without steel)	Cum	942.24		
7	Steel of different size(as per design) with cutting, bending, binding in position of M.S.Rod for reinforcement of foundation concret of pile of towers including supply of binding wire. (With supply of steel rod (TATA/RINL/SAIL make))	MT	81.6		
8	Supply and putting of MS liner of 6mm thickness and 1000mm dia as per approved drawing and as per instruction of engineer in charge.	MT	176.4		
9	Pile riser, cap, tie-beam with RCC: 1:1.5:3 (Grade M-20), including supply of all materials like Cement, coarse and fine aggregates,shuttering and supply of labours, de-watering,proper curing of the foundations/concrete and T&P in line with the Specification and as per direction of Engineer in Charge. (with cost of cement and without steel)	Cum	840		
10	Steel of different size(as per design) with cutting, bending, binding in position of M.S.Rod for reinforcement of foundation concret of pile riser, cap and tie beam including supply of binding wire. (With supply of steel rod (TATA/RINL/SAIL make))	MT	66		

11	Design, Engineering, Providing and laying of plain cement concrete (PCC 1:3:6) of grade M10 with approved quality coarse aggregates (Nominal size 12mm to 20mm), fine aggregates, cement in tower foundation as blind layer inclusive of labour charges for concrete mixing & curing. This includes supply of all labourers, T&P and dewatering wherever required as per Technical specification and instruction of Engineer In charge.(With Cement)	Cum	60		
12	Shoring And Shuttering required in wet or special locations with supply of all materials, T&P and Labour.(Required for riser works above ground level)	Sq.Mtr	1200		
-	L OF ERECTION & CIVIL WORKS COMPONENT OF THE KS CONTRACT FOR EHT Tower				

	MATERIALS FOR 33 KV DP With Isolator						
Sl. No.	Description of Materials	UoM	Total Quantity=(A)	BASIC PRICE PER UNIT = (B)	GST Amount = (c)	TOTAL PRICE PER UNIT (In Rs) (D)= B+C	TOTAL PRICE FOR THE TENDER QUANTITY (E)= (A*D)
1	13 Mtr. Long H-Pole	No	28				
2	Top Channel 100X50X6mm, 9.56 KG/Mtr., each channel length 4.3 mtr., 2 no's channel required =(2x9.56x4.3)	KG	1151.024				
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 6 no's required = (6x2.36x0.280)	KG	55.5072				
4	Insulator Support Cahnnel 75X40X 4.8mm., 7.14KG/Mtr., each channel length 4.3 Mtr., 1 no's channel required =(1x7.14x4.3)	KG	429.828				
5	Isolator Support Cahnnel 75X40X 4.8mm., 7.14KG/Mtr., each channel length 4.3 Mtr., 2 no's channel required =(2x7.14x4.3)	KG	859.656				
6	Double Pole Belting Channel 75X40X 4.8mm., 7.14KG/Mtr., each channel length 4.3 Mtr., 4 no's channel required =(4x7.14x4.3)	KG	1719.312				
7	50x50x6mm.GI Bracing Angle, 4.5Kg./mtr., each angle length 4.927 mtr., 4 nos angle required = (4*4.5*4.927)	KG	1241.604				
8	Isolator Operating Down Pipe Support Cahnnel 75X40X 4.8mm., 7.14KG/Mtr., each channel length 0.8 Mtr., 1 no's channel required =(1x7.14x0.8)	KG	79.968				
9	Down Pipe Diagonal Support Angle, 4.5Kg./mtr., each angle length 0.388mtr., 1 nos angle required = (1*4.5*0.388)	KG	24.444				
10	Down Pipe Base Support Angle, 4.5Kg./mtr., each angle length 0.34mtr., 1 nos angle required = (1*4.5*0.340)	KG	21.42				
11	Isolator Support Side Cahnnel 100X50X6mm, 9.56 KG/Mtr., each channel length 0.5 mtr., 2 no's channel required =(2x9.56x0.5)	KG	133.84				
12	Danger Plate, 2 no's.	No.	28				
13	Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 2 no's = (2x0.59x0.510)	KG	8.4252				
14	H.T. Stay clamp, 50x8 mm. flat, 3.14Kg/Mtr., 0.511 Mtr. Length, 2 no's qty. required (1 Pair)	Pair	28				
15	H.T. Stay set (Complete)	Set	28				
	H.T. Stay Insulator Type-C (2 No's.)	No.	56				
17	7/8 SWG Stay Wire 15kg /stay	K.g.	420				
18	Gi Pipe Earthing 40mm. 3 Mtr. Long	No.	28				
19	50x6mm GI Flat for earthing, 2.36kg/mtr., (15 Mtr. For L.A, 4 Mtr for Isolator Body, 2.5 mtr. For mesh formation and 2.5 mtr. For raising)= 24x2.36	KG	792.96				
20	GI barbed wire anticlimbing device 3 Kg. Per support	Kg	84				

21	Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 8 no's = (8x0.59x0.510)	KG	33.7008		
22	33 KV 1250 AMP Double break (Turn & twist center rotating) isolator without earth switch with Pl(Polymer)	Set	14		
23	33KV pin insulator polymer	No.	42		
24	H W fitting(B&S) 90KN,4 Bolt	No.	84		
25	Disc insulator (B&S) 90 KN polymer	No.	84		
26	PG Clamp for 232 sq.mm AAA conductor	No.	84		
27	GI Nut , Bolt & Washer of different sizes (22.15 Kg each DP with Isolator)	K.g.	310.1		
28	Black Paint	Ltr	14		
29	Yellow Colour Paint for Background	Ltr	28		
	OF SUPPLY COMPONENT OF THE WORKS ACT FOR 33kV Line DP				

	Services FOR 33 KV DP With Isolator						
Sl. No.	Description of Materials	UoM	Total Quantity=(A)	BASIC PRICE PER UNIT = (B)	GST Amount = (c)	TOTAL PRICE PER UNIT (In Rs) (D)= B+C	TOTAL PRICE FOR THE TENDER QUANTITY (E)= (A*D)
	13 Mtr. Long H-Pole	No	28				
	Top Channel 100X50X6mm, 9.56 KG/Mtr., each channel length 4.3	KG	1151.024				
	mtr., 2 no's channel required =(2x9.56x4.3)	NO	1101.024				
3	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 6 no's required = (6x2.36x0.280)	KG	55.5072				
4	Insulator Support Cahnnel 75X40X 4.8mm., 7.14KG/Mtr., each channel length 4.3 Mtr., 1 no's channel required =(1x7.14x4.3)	KG	429.828				
3	Isolator Support Cahnnel 75X40X 4.8mm., 7.14KG/Mtr., each channel length 4.3 Mtr., 2 no's channel required =(2x7.14x4.3)	KG	859.656				
0	Double Pole Belting Channel 75X40X 4.8mm., 7.14KG/Mtr., each channel length 4.3 Mtr., 4 no's channel required =(4x7.14x4.3)	KG	1719.312				
1	50x50x6mm.GI Bracing Angle, 4.5Kg./mtr., each angle length 4.927 mtr., 4 nos angle required = (4*4.5*4.927)	KG	1241.604				
8	Isolator Operating Down Pipe Support Cahnnel 75X40X 4.8mm., 7.14KG/Mtr., each channel length 0.8 Mtr., 1 no's channel required =(1x7.14x0.8)	KG	79.968				
9	Down Pipe Diagonal Support Angle, 4.5Kg./mtr., each angle length 0.388mtr., 1 nos angle required = (1*4.5*0.388)	KG	24.444				
10	Down Pipe Base Support Angle, 4.5Kg./mtr., each angle length 0.34mtr., 1 nos angle required = (1*4.5*0.340)	KG	21.42				
	Isolator Support Side Cahnnel 100X50X6mm, 9.56 KG/Mtr., each channel length 0.5 mtr., 2 no's channel required =(2x9.56x0.5)	KG	133.84				
	Danger Plate, 2 no's.	No.	28				
	Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 2 no's = (2x0.59x0.510)	KG	8.4252				
14	H.T. Stay clamp, 50x8 mm. flat, 3.14Kg/Mtr., 0.511 Mtr. Length, 2 no's qty. required (1 Pair)	Pair	28				
15	H.T. Stay set (Complete)	Set	28				
16	H.T. Stay Insulator Type-C (2 No's.)	No.	56				
17	7/8 SWG Stay Wire 15kg /stay	K.g.	420				
18	Gi Pipe Earthing 40mm. 3 Mtr. Long	No.	28				
19	50x6mm GI Flat for earthing, 2.36kg/mtr., (15 Mtr. For L.A, 4 Mtr for Isolator Body, 2.5 mtr. For mesh formation and 2.5 mtr. For raising)= 24x2.36	KG	792.96				
20	GI barbed wire anticlimbing device 3 Kg. Per support	Kg	84				
	Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 8 no's = (8x0.59x0.510)	KG	33.7008				
22	33 KV 1250 AMP Double break (Turn & twist center rotating) isolator without earth switch with PI(Polymer)	Set	14				
23	33KV pin insulator polymer	No.	42				
24	H W fitting(B&S) 90KN,4 Bolt	No.	84				
25	Disc insulator (B&S) 90 KN polymer	No.	84				
26	PG Clamp for 232 sq.mm AAA conductor	No.	84				
	GI Nut , Bolt & Washer of different sizes (22.15 Kg each DP with Isolator)	K.g.	310.1				
28	, Black Paint	Ltr	14				
29	Yellow Colour Paint for Background	Ltr	28				
	Civil & Services						
SI. No.	Description of Materials						

1	Excavation of Earth for 13 Mtr. long poles pit. (1000mm X 500mm X 2275mm) = 1.14 Cu.mtr.), as per technical specification and scope of work.	Cum	31.92		
2	Concreting ratio 1:1.5:3 (500mmX500mmX2200mm) = 0.55Cu.mtr	Cu.mtr	15.4		
3	Couping ratio 1:1.5:3 with dimension (500X500X450)= 0.1125 Cu mtr	Cu.mtr	3.15		
4	Fixing of 33KV line Complete stay set, including excvation, supply of 0.5Cum cement concrete foundation 1:2:4 size (500mmx500mmx800mm) using 20mm BHG metal with all labour and material (Excavation of earth will be done of size 500X500X1500 mm.)	No.	28		
5	Making of earth chamber with brick masonary (1:5) , PCC (1:4:8) and with 50mm thick RCC Slab (with 8mm rod) cover for earth pit of size 450mmX450mm X600 mm depth as per direction of Engg in Charge.	No.	28		
	ERECTION & CIVIL WORKS COMPONENT OF THE WORKS FOR 33kV Line DP				