NAME OF THE WORK:-Construction of 220 kV LILO Line from 220 KV Duburi-Meramandali Existing line to 220 /132 KV Out Door type GIS S/S, Dhenkanal. (Approx. Line length-38.44 Km) . in Odisha State of India under PACKAGE-2 Under Japan International Cooperation Agency (JICA)'s ODA Loan.

Loan Agreement No: [ID-P245] -FB No: [CPC/JICA/ICB/02/18-19/......]-Reference Identification No: [OPTCL/JICA/PKG-2] Schedule No. 1. Plant Supplied from Abroad (Transmission Line) NAME OF THE BIDDER Construction of 220 kV LILO Line from existing 220 KV Duburi-Meramandali line to 220/132 KV Out Door type GIS 5/5, Dhenkanal (Approx. Line length-38.44 Km) Unit Price2 DESCRIPTION OF ITEMS(SCHEDULE-1-Line) SUPPLY OF FOLLOWING EQUIPMENT & MATERIALS UNITS Item Code¹ Total Price2 (As per Technical Specification) In Foreign Currency **DESCRIPTION OF ITEMS(SCHEDULE-1-Line)** Sl. No. SUPPLY OF FOLLOWING EQUIPMENT & MATERIALS 1 (3) (1) x (3)(As per Technical Specification) SUPPLY of Following type tested Lattice type Galvanized steel tangent Angle tower with stubs and cleats, different type of G.I HT Nuts & Bolts, washer, spring washer for the towers ,hanger and all accessories, tower super structure complete including step bolts. Supply of black bituminous paint for three coats up to a height of 500mm above the cooping(legs & bracing members). All Supply should confirm to the Technical Specification. OA TYPE (SUSPENSION) TOWERS (NOMINAL UNIT WEIGHT 4.473MT) - 86 NOS. 86.00 Nos. +3 EXTENSION (NOMINAL UNIT WEIGHT 0.748MT) - 13 NOS. 13.00 1.1.1 Nos. +6 EXTENSION (NOMINAL UNIT WEIGHT 1.495MT) - 1 NOS. 1.1.2 1.00 Nos. OB TYPE (30 deg ANGLE) TOWERS (NOMINAL UNIT WEIGHT 6.784MT) - 21 NOS. Nos. 21.00 1.2.1 +3 EXTENSION (NOMINAL UNIT WEIGHT 1.334MT) - 3 NOS. Nos. 3.00 1.2.2 +6 EXTENSION (NOMINAL UNIT WEIGHT 2.308MT)- 0 NOS. 0.00 Nos. OC TYPE (60 deg ANGLE) TOWERS (NOMINAL UNIT WEIGHT 9.523MT) - 16 NOS. Nos. 16.00 +3 EXTENSION (NOMINAL UNIT WEIGHT 1.436MT) -4 NOS. 4.00 1.3.1 Nos. 1.3.2 +6 EXTENSION (NOMINAL UNIT WEIGHT 2.600MT) - 2 NOS. Nos. 2.00 +15 EXTENSION (NOMINAL UNIT WEIGHT 10.663MT) -1 NOS. 1.3.3 Nos. 1.00 +24 EXTENSION (NOMINAL UNIT WEIGHT 17.830 MT) - 0 NOS. 0.00 1.3.4 Nos. UR TYPE (60 deg ANGLE) TOWERS (NOMINAL UNIT WEIGHT 13.585 MT) - 3 1.4 Nos. 3.00 +6 EXTENSION TO UR TYPE (NOMINAL UNIT WEIGHT 4.249 MT) -3 NOS Nos. 3.00 MA TYPE (SUSPENSION) TOWERS (NOMINAL UNIT WEIGHT 15.859MT) - 5 1.5 Nos. 5.00 MB TYPE (30 deg ANGLE) TOWERS (NOMINAL UNIT WEIGHT 25.303MT) -5 NOS. 5.00 Nos.

1.7	MC TYPE (60 deg ANGLE) TOWERS (NOMINAL UNIT WEIGHT 32.376MT) -11 NOS.	Nec	11.00	
		Nos.	11.00	
1.7.1	+9 EXTENSION to MC TYPE(NOMINAL UNIT WEIGHT 9.124MT) - 2 NOS.	Nos.	2.00	
1.7.2	+15 EXTENSION (NOMINAL UNIT WEIGHT Appx. 22.00MT) - 2 NOS.	Nos.	2.00	
1.8	TEMPLATES		2.00	
1.8.1	OA (NOMINAL UNIT WEIGHT 0.579MT) -3 NOS.	Nos.	3.00	
1.8.2	OB (NOMINAL UNIT WEIGHT 0.794MT) -2 NOS.	Nos.	2.00	
1.8.3	OC (NOMINAL UNIT WEIGHT 0.962 MT) -1 NOS.	Nos.	1.00	
1.8.4	OC+15 (NOMINAL UNIT WEIGHT 2.107 MT) -1NOS.	Nos.	1.00	
1.8.5	UR (NOMINAL UNIT WEIGHT[1.507+0.687]-1 NOS	Nos.	1.00	
1.8.6	MA (NOMINAL UNIT WEIGHT 1.061MT) -1 NOS.	Nos.	1.00	
1.8.7	MB (NOMINAL UNIT WEIGHT 1.914 MT) -1 NOS.	Nos.	1.00	
1.8.8	MC (NOMINAL UNIT WEIGHT 2.151 MT) -2 NOS.	Nos.	2.00	
1.8.9	MC+15 (NOMINAL UNIT WEIGHT 4.50 MT) -1 NOS.	Nos.	1.00	
1.9	WEIGHT OF THE STRUCTURES HT (including Tower stubs, & Foundation Nutland Bolts)	MT	289.970	
1.9.1	WEIGHT OF THE STRUCTURES MS (INCLUDING WEIGHT OF TEMPLATE)	MT	1066.040	
1.9.2	Weight of different type G.I Nuts and Bolts	MT	67.800	
2	Supply of the following tower accessories as per technical specification and			
	as directed by the engineer in charge.			
2.1	EARTHING DEVICE	Nos.	171	
2.2	DANGER BOARD	Nos.	147	
2.3	NUMBER PLATE	Nos.	147	
2.4	PHASE PLATE	Nos.	1008	
2.5	BIRD GUARD	Nos.	576	
2.6	ANTICLIMBING DEVICE	Nos.	147	
2.7	CIRCUIT PLATE	Nos.	336	
3	Supply of following POWER CONDUCTORS in the proposed 220KV line with 1.5% provision for sag and wastage as per the technical specification and as per the instruction of the engineer in charge.			
3.1	LL-ACSR ZEBRA 490mm(Aluminium clad/Galvanise steel core type) power coductor	Kms.	258.95	
4	POWER CONDUCTOR ACESSORIES			
4.1	LL-ACSR ZEBRA 490mm(Aluminium clad/Galvanise steel core type) power coductor			
4.1.1	VIBRATION DAMPER	Nos.	1458	
4.1.2	MID SPAN JOINT	Nos.	260	
4.1.3	Repair Sleeve	Nos.	300	
5	OPGW fibre Optic Cable & Hardwares			
5.1	48 Fibre(DWSM)OPGW Fibre Optic Cable	Kms.	38.44	
5.2	OPGW Hardware set like Suspension Assembly, Tension Assembly (Dead end			
	Assembly, Pass through Assembly) , Vibration Damper, Down Lead Clamp Assembly	Kms.	38.44	
	for 24/48 Fibre(DWSM) OPGW,Joint Box etc.			
6	Supply of the following type Porcelain Long Rod Insulators as per the technical specification and as per the instruction of the engineer in charge.			
6.2	90 KN Porcelain Long Rod Insulator for 220KV (2 Nos in 1 SET)	SET	643	
6.3	160 KN Long Rod Insulator for 220KV (2 Nos in 1 SET)	SET	1115	

	,						
7	Supply of the following Hard ware fittings suitable for following conductor as per the technical specification.						
7.1	FOR LL-ACSR ZEBRA 490mm POWER CONDUCTOR						
7.1.1	Single suspension Hard wares fittings (AGS type along with PA Rod) suitable for 90 KN Long Rod insulator.		Set	540			
7.1.2	Double suspension Hard wares fittings (AGS type along with PA Rod) suitable for 90 KN Long Rod insulator.		Set	36			
7.1.3	Single tension Hard wares fittings, suitable for 160 KN Long Rod insulator.		Set	702			
7.1.4	Double tension Hard wares fittings, suitable for 160 KN Log Rod insulator.		Set	180			
7.1.5	Hanger		Nos.	576			
7.1.6	U'-Bolt.		Nos	100			
7.1.7	Zebra-to-Zebra PG Clamp		Nos	130			
	TOTAL OF Schedule-1 Line To Schedule-6 Grand Summary						
				Name of Bidder:			
	¹ Bidders shall enter a code repres <i>enting the country of origin of all</i> imported plant	and equipmen	ıt.				
	2 Specify currency in accordance with specifications in Bid Data Sheet under ITB 19. Price as there are currencies.	1 in Single-Stag	ge Bid, or ITB 34.1	in Two-Stage Bid. Create and	d use as many columns	for Unit Price and Total	
Country of	Origin Declaration Form						
Item	Description	Code		Country			
				·			
					1		

NAME OF THE WORK:-Construction of 220 kV LILO Line from 220 KV Duburi-Meramandali Existing line to 220 /132 KV Out Door type GIS S/S, Dhenkanal. (Approx. Line length-38.44 Km) . in Odisha State of India under PACKAGE-2 Under Japan International Cooperation Agency (JICA)'s ODA Loan.

Loan Agreement No: [ID-P245] - FB No: [CPC/JICA/ICB/02/18-19/......] Reference Identification No: [OPTCL/JICA/PKG-2]

Schedule No. 2. Plant Supplied from Within the Employer's Country (Transmission Line)

Schoule IV	o. 2. Plant Supplied from Within the Employer's Country (Transmission Line)				
Sl. No.	DESCRIPTION OF ITEMS(SCHEDULE-1-Line) SUPPLY OF FOLLOWING EQUIPMENT & MATERIALS (As per Technical Specification)	UNITS	Construction of 220 kV LILO Line from existing 220 kV Duburi-Meramandali line to 220 /132 kV Out Door type GIS 5/5, Dhenkanal. (Approx. Line length-38.44 km)	Unit Price ²	Total Price ²
			1	2	(1x2)
1	SUPPLY of Following type tested Lattice type Galvanized steel tangent / Angle tower with stubs and cleats, different type of G.I HT Nuts & Bolts, washer, spring washer for the towers ,hanger and all accessories, tower super structure complete including step bolts. Supply of black bituminous paint for three coats up to a height of 500mm above the cooping(legs & bracing members). All Supply should confirm to the Technical Specification.	UNITS			
1.1	OA TYPE (SUSPENSION) TOWERS (NOMINAL UNIT WEIGHT 4.473MT) - 86 NOS.	Nos.	86.00		
1.1.1	+3 EXTENSION (NOMINAL UNIT WEIGHT 0.748MT) - 13 NOS.	Nos.	13.00		
1.1.2	+6 EXTENSION (NOMINAL UNIT WEIGHT 1.495MT) - 1 NOS.	Nos.	1.00		
1.2	OB TYPE (30 deg ANGLE) TOWERS (NOMINAL UNIT WEIGHT 6.784MT) - 21 NOS.	Nos.	21.00		
1.2.1	+3 EXTENSION (NOMINAL UNIT WEIGHT 1.334MT) - 3 NOS.	Nos.	3.00		
1.2.2	+6 EXTENSION (NOMINAL UNIT WEIGHT 2.308MT)- 0 NOS.	Nos.	0.00		
1.3	OC TYPE (60 deg ANGLE) TOWERS (NOMINAL UNIT WEIGHT 9.523MT) - 16 NOS.	Nos.	16.00		
1.3.1	+3 EXTENSION (NOMINAL UNIT WEIGHT 1.436MT) -4 NOS.	Nos.	4.00		
1.3.2	+6 EXTENSION (NOMINAL UNIT WEIGHT 2.600MT) - 2 NOS.	Nos.	2.00		
1.3.3	+15 EXTENSION (NOMINAL UNIT WEIGHT 10.663MT) -1 NOS.	Nos.	1.00		
1.3.4	+24 EXTENSION (NOMINAL UNIT WEIGHT 17.830 MT) - 0 NOS.	Nos.	0.00		
1.4	UR TYPE (60 deg ANGLE) TOWERS (NOMINAL UNIT WEIGHT 13.585 MT) - 3 NOS	Nos.	3.00		
1.4.1	+6 EXTENSION TO UR TYPE (NOMINAL UNIT WEIGHT 4.249 MT) -3 NOS	Nos.	3.00		
1.5	MA TYPE (SUSPENSION) TOWERS (NOMINAL UNIT WEIGHT 15.859MT) - 5 NOS	Nos.	5.00		
1.6	MB TYPE (30 deg ANGLE) TOWERS (NOMINAL UNIT WEIGHT 25.303MT) -5 NOS.	Nos.	5.00		
1.7	MC TYPE (60 deg ANGLE) TOWERS (NOMINAL UNIT WEIGHT 32.376MT) -11 NOS.	Nos.	11.00		
1.7.1	+9 EXTENSION to MC TYPE(NOMINAL UNIT WEIGHT 9.124MT) - 2 NOS.	Nos.	2.00		
1.7.2	+15 EXTENSION (NOMINAL UNIT WEIGHT Appx. 22.00MT) - 2 NOS.	Nos.	2.00		
1.8	TEMPLATES				
1.8.1	OA (NOMINAL UNIT WEIGHT 0.579MT) -3 NOS.	Nos.	3.00		
1.8.2	OB (NOMINAL UNIT WEIGHT 0.794MT) -2 NOS.	Nos.	2.00		
1.8.3	OC (NOMINAL UNIT WEIGHT 0.962 MT) -1 NOS.	Nos.	1.00		

1.8.4	OC+15 (NOMINAL UNIT WEIGHT 2.107 MT) -1NOS.	Nos.	1.00		
1.8.5					
1.8.6	UR (NOMINAL UNIT WEIGHT[1.507+0.687]-1 NOS MA (NOMINAL UNIT WEIGHT 1.061MT) -1 NOS.	Nos.	1.00	4	
1.8.7	MB (NOMINAL UNIT WEIGHT 1.914 MT) -1 NOS.	Nos.	1.00	4	
	· ·	Nos.		_	
1.8.8	MC (NOMINAL UNIT WEIGHT 2.151 MT) -2 NOS.	Nos.	2.00	_	
1.8.9	MC+15 (NOMINAL UNIT WEIGHT 4.50 MT) -1 NOS.	Nos.	1.00		
1.9	WEIGHT OF THE STRUCTURES HT (including Tower stubs, & Foundation Nut and Bolts)	MT	289.970		
1.9.1	WEIGHT OF THE STRUCTURES MS (INCLUDING WEIGHT OF TEMPLATE)	MT	1066.040		
1.9.2	Weight of different type G.I Nuts and Bolts	MT	67.800		
2	Supply of the following tower accessories as per technical specification and as directed by the engineer in charge.				
2.1	EARTHING DEVICE	Nos.	171		
2.2	DANGER BOARD	Nos.	147		
2.3	NUMBER PLATE	Nos.	147		
2.4	PHASE PLATE	Nos.	1008		
2.5	BIRD GUARD	Nos.	576		
2.6	ANTICLIMBING DEVICE	Nos.	147		
2.7	CIRCUIT PLATE	Nos.	336		
3	Supply of following POWER CONDUCTORS in the proposed 220KV line with 1.5% provision for sag and wastage as per the technical specification and as per the instruction of the engineer in charge.				
3.1	LL-ACSR ZEBRA 490mm(Aluminium clad/Galvanise steel core type) power coductor	Kms.	258.95		
4	POWER CONDUCTOR ACESSORIES				
4.1	LL-ACSR ZEBRA 490mm(Aluminium clad/Galvanise steel core type) power coductor				
4.1.1	VIBRATION DAMPER	Nos.	1458		
4.1.2	MID SPAN JOINT	Nos.	260		
4.1.3	Repair Sleeve	Nos.	300		
5	OPGW fibre Optic Cable & Hardwares				
5.1	48 Fibre(DWSM)OPGW Fibre Optic Cable	Kms.	38.44		
5.2	OPGW Hardware set like Suspension Assembly, Tension Assembly (Dead end Assembly, Pass through Assembly), Vibration Damper, Down Lead Clamp Assembly for 24/48 Fibre (DWSM) OPGW, Joint Box etc.	Kms.	38.44		
6	Supply of the following type Porcelain Long Rod Insulators as per the technical specification and as per the instruction of the engineer in charge.				
6.2	90 KN Porcelain Long Rod Insulator for 220KV (2 Nos in 1 SET)	SET	643		
6.3	160 KN Long Rod Insulator for 220KV (2 Nos in 1 SET)	SET	1115		
7	Supply of the following Hard ware fittings suitable for following conductor as per the technical specification.				
7.1	FOR LL-ACSR ZEBRA 490mm POWER CONDUCTOR				
7.1.1	Single suspension Hard wares fittings (AGS type along with PA Rod) suitable for 90 KN Long Rod insulator.	Set	540		
7.1.2	Double suspension Hard wares fittings (AGS type along with PA Rod) suitable for 90 KN Long Rod insulator.	Set	36		
7.1.3	Single tension Hard wares fittings, suitable for 160 KN Long Rod insulator.	Set	702		
7.1.4	Double tension Hard wares fittings, suitable for 160 KN Log Rod insulator.	Set	180		

7.1.5	Hanger	Nos.	576		
7.1.6	U'-Bolt.	Nos	100		
7.1.7	Zebra-to-Zebra PG Clamp	Nos	130		
TOTAL OF So	chedule-2 Line To Schedule-6 Grand Summary				
			Name of Bidder:		_
	¹ Prices of Items quoted in Schedule No.1 shall not be quoted again in Schedule No. 2 and sha	ll have a remark aga	inst the said row "Quoted in S	Schedule No1".	

NAME OF THE WORK:-Construction of 220 kV LILO Line from existing 220 KV Duburi-Meramandali line to 220 /132 KV Out Door type GIS S/S, Dhenkanal. (Approx. Line length-38.44 Km) . in Odisha State of India under PACKAGE-2 Under Japan International Cooperation Agency (JICA)'s ODA Loan.

Loan Agreement No: [ID-P245] - FB No: [CPC/JICA/ICB/02/18-19/.....]- Reference Identification No: [OPTCL/JICA/PKG-2]
Schedule No. 4. Installation and Other Services (Transmission line)

	Schedule No. 4. Installation and Other Services (Transmission line)						
	NAME OF THE BIDDER						
			al.	Unit	Price ¹	Total	Price ¹
Sl. No.	DESCRIPTION OF ITEMS(SCHEDULE-4-line) ERECTION,TESTING & COMMISSIONING OF FOLLOWING EQUIPMENTS ALONG WITH CIVIL WORKS (As per Technical Specification)	UNIT	Construction of 220 kV LILO Line from existing 220 kV Duburi- Meramandali line to 220 /132 kV Out Door type GIS S/S, Dhenkanal. (Approx. Line length-38.44 km)	Foreign Currency Portion	Local Currency Portion	Foreign Currency Portion	Local Currency Portion
			1	2	3	(1x2)	(1x3)
-	ELECTRICAL WORKS						
1.0	ERECTION,TESTING & COMMISSIONING of Following tested Lattice type Galvanized steel tangent / Angle tower without stubs and cleats including different type of G.I HT Nuts & Bolts, washer, spring washer for the above type towers ,hanger and all accessories, tower super structure complete with tightening, punching of bolts including step bolts. All other left out portion of the bolts above bottom cross arm shall be riveted by using suitable hammer. Painting of black bituminous paints three coats shall be provided up to a height of 500mm above the cooping legs & bracing members. All Erection should confirm to the Technical Specification laid there in the Tender Specification.						
1.1	OA TYPE (SUSPENSION) TOWERS (NOMINAL UNIT WEIGHT 4.473MT) -86 NOS.	Nos.	86.00				
1.1.1	+3 EXTENSION (NOMINAL UNIT WEIGHT 0.748MT) -13 NOS.	Nos.	13.00				
1.1.2	+6 EXTENSION (NOMINAL UNIT WEIGHT 1.495MT) -1 NOS.	Nos.	1.00				
1.2	OB TYPE (30 deg ANGLE) TOWERS (NOMINAL UNIT WEIGHT 6.784MT) - 21 NOS.	Nos.	21.00				
1.2.1	+3 EXTENSION (NOMINAL UNIT WEIGHT 1.334MT) - 3 NOS.	Nos.	3.00				
1.2.2	+6 EXTENSION (NOMINAL UNIT WEIGHT 2.308MT)- 0 NOS.	Nos.	0.00	_			
1.3	OC TYPE (60 deg ANGLE) TOWERS (NOMINAL UNIT WEIGHT 9.523MT) -16 NOS.	Nos.	16.00				
1.3.1	+3 EXTENSION (NOMINAL UNIT WEIGHT 1.436MT) -5 NOS.	Nos.	4.00				
1.3.2	+6 EXTENSION (NOMINAL UNIT WEIGHT 2.600MT) -2 NOS. +15 EXTENSION (NOMINAL UNIT WEIGHT 10.663MT) -1 NOS.	Nos.	2.00	-			
1.3.3	+24 EXTENSION (NOMINAL UNIT WEIGHT 10.663MT) -1 NOS.	Nos.	1.00 0.00	-			
1.3.4	UR TYPE (60 deg ANGLE) TOWERS (NOMINAL UNIT WEIGHT 17.550MT) -3 NOS	Nos.	3.00				
1.3.5	+6 EXTENSION TO UR TYPE (NOMINAL UNIT WEIGHT 4.249 MT) -3 NOS	Nos.	3.00				
1.4	MA TYPE (SUSPENSION) TOWERS (NOMINAL UNIT WEIGHT 15.859MT) - 5 NOS	Nos.	5.00				
1.5	MB TYPE (30 deg ANGLE) TOWERS (NOMINAL UNIT WEIGHT 25.303MT) -5 NOS.	Nos.	5.00				
1.6	MC TYPE (60 deg ANGLE) TOWERS (NOMINAL UNIT WEIGHT 32.376MT) -11 NOS.	Nos.	11.00				
1.6.1	+9 EXTENSION to MC TYPE(NOMINAL UNIT WEIGHT 9.124MT) - 2 NOS.	Nos.	2.00				
1.6.2	+15 EXTENSION (NOMINAL UNIT WEIGHT Appx. 22.00MT) - 2 NOS.	Nos.	2.00				
1.7	WEIGHT OF THE STRUCTURES	MT	1335.68				
	Weight of different type G.I Nuts and Bolts for above structures	MT	66.78			L	
	Fixing of of Templates & setting of Stubs including G.I Nuts & Bolts	NAT	74.00				
1.9.1	OA (NOMINAL UNIT WEIGHT 0.830 MT) -86 NOS.	MT	71.38				

1-33 OC ACMINIAL LUNT WEIGHT 1784 AIT 1-16 NOS	102	OB (NOMINAL UNIT WEIGHT 1.276 MT) -21 NOS.	MT	26.80			
1.9.4 OCHS (NOMINAL UNIT WEIGHT 2:07AT) -1 NOS. MT 0.00 1.9.6 UR-6 (NOMINAL UNIT WEIGHT 2:07AT) -1 NOS. MT 0.50 1.9.6 UR-6 (NOMINAL UNIT WEIGHT 1:05T MT) -5 NOS. MT 0.53 1.9.8 MR (NOMINAL UNIT WEIGHT 1:05T MT) -5 NOS. MT 0.53 1.9.8 MR (NOMINAL UNIT WEIGHT 1:05T MT) -5 NOS. MT 0.53 1.9.9 MC (NOMINAL UNIT WEIGHT 1:05T MT) -5 NOS. MT 0.53 1.9.10 MC -59 (NOMINAL UNIT WEIGHT 2:05T MT) -5 NOS. MT 0.50 1.9.10 MC -59 (NOMINAL UNIT WEIGHT 2:05T MT) -5 NOS. MT 0.50 1.9.10 MC -59 (NOMINAL UNIT WEIGHT 2:05T MT) -5 NOS. MT 0.50 1.9.11 MC -59 (NOMINAL UNIT WEIGHT 2:05T MT) -2 NO. MT 0.00 1.9.12 EVALUATION OF THE CONTROL OF THE		,					
1.9.5 OC-24 (NOMINAL UNIT WEIGHT 2.07NT) - 9.NOS.		· ·					
1.9.6 UR-16 (NOMINAL UNIT WEIGHT 1,507+0,687) a NOS MT 6.58		· ·					
1.9.3 MA (NOMINAL UNIT WEIGHT 1.014 MT) - SNOS. 1.9.9 MC (NOMINAL UNIT WEIGHT 1.014 MT) - SNOS. 1.9.9 MC (NOMINAL UNIT WEIGHT 1.014 MT) - NO. 1.9.10 MC - NOMINAL UNIT WEIGHT 2.05 MT) - 2 NO. 1.9.11 MC - 15 (NOMINAL UNIT WEIGHT 3.05 MT) - 2 NO.		,					
1.9.8 MS (NOMINAL UNIT WEIGHT 1.91 AMT) S NOS. MT 2.3.6		,					
1.9.1 MC (NOMINAL UNIT WEIGHT 2.15 MT) -11 NO.		· ·					
19.10 MC +9 (NOMINAL UNIT WEIGHT 4.50 MT) -2 NO. MT 9.00 19.11 P.11 MC +15 (NOMINAL UNIT WEIGHT 4.50 MT) +2 NO. MT 9.00 19.12 TOTAL WEIGHT ERRETHING DEVICE No. MT 19.63 ERRETHING DEVICE No. No. 147 2.1 EARTHING DEVICE NO. No. 147 2.2 DANGER BOARD No. 147 2.3 NUMBER PLATE No. No. 147 2.4 PHASE PLATE NO. NO. 147 2.5 BIRD GUARD NO. 147 2.6 ANTICLUMBING DEVICE NO. 147 2.7 GIRCUIT PLATE NO. NO. 147 2.8 ORIGINAL WEIGHT 4.50 MT 147 2.9 CANCILLMBING DEVICE NO. 147 2.0 CIRCUIT PLATE NO. 147 2.1 ORIGINAL WEIGHT 1.50 MT 147 2.2 ORIGINAL WEIGHT 1.50 MT 147 2.3 NUMBER PLATE NO. 147 2.5 BIRD GUARD NO. 147 2.6 ANTICLUMBING DEVICE NO. 147 2.7 GIRCUIT PLATE NO. 158 3.8 ORIGINAL WEIGHT 1.50 MT 147 4. ORIGINAL WEIGHT 1.50 MT 147 5. ORIGINAL WEIGHT 1.50 MT 147 6. ORIGINAL WEIGHT 1.50		,					
1.9.11 MC-15 NOMINAL UNIT WEIGHT 4.50 MT) 2 NO. MT 191.63 2 Erection of the following tower accessories as per technical specification and as directed by the engineer in charge. 2.1 EARTHING DEVICE No. No. 171 2.2 DANGER BOARD NO. 147 2.3 NUMBER PLATE NO. No. 147 2.4 PHASE PLATE NO. No. 1008 2.5 BIRD GUARD NO. 147 2.6 ANTICLIMBING DEVICE NO. No. 147 2.7 ORICUIT PLATE NO. No. 147 3.6 ANTICLIMBING DEVICE NO. 147 4.7 Hoisting and fixing of insulators with required accessories, paying out of conductor yolinting, stringing, sagging & Jumpering etc. of power conductor with GL Earth wire in the proposed lines and without earth wire with all required accessories including scalfolding for 33 KVII KV, LT, PAT lines, roads and using own required TAP and compression jointing machines etc. with 13% provision for Sag & Wastage and as per learning the proposed lines and without earth wire with all required accessories including scalfolding for 33 KVII KV, LT, PAT lines, roads and using own required TAP and compression jointing machines etc. with 13% provision for Sag & Wastage and as per learning the proposed lines and without earth wire with all required accessories including scalfolding for 33 KVII KV, LT, PAT lines, roads and using own required TAP and compression jointing machines etc. with 13% provision for Sag & Wastage and as per learning the proposed lines and without earth wire with all required accessories including scalfolding for 33 KVII KV, LT, PAT lines, roads and using own required TAP and compression jointing machines etc. with 13% provision for Sag & Wastage and as per learning to the part of the proposed lines and without earth wire with all required AP and compression jointing machines etc. with 13% provision for Sag & Wastage and as per learning to the part of							
1.9.12 TOTAL WEIGHT 2 Erection of the following tower accessories as per technical specification and as directed by the engineer in charge. 2.1 EARTHING DEVICE 2.2 DANGER BOARD 3.3 NUMBER PLATE 4.5 Nos. 147 2.5 SIRD GUARD 5.6 ANTICULINBINO DEVICE 7.0 CIRCULT PLATE 8.0 Nos. 147 9.0 Nos. 336 9.0 Nos. 147 9.0 Nos. 336 9.0 Nos. 340 9.0 Nos. 340 9.0 Revision of Institution of Conductor With Call Earth wire in the proposed lines and without earth wire with all required accessories including scaffolding for 38 KV,11 KV, LT, P&T lines, roads and using own required T&P and compression jointing machines ex. with 1-5% provision for Sag & Wastage and as per the direction of Engineer in charge. 3.1 LL-ACSX ZEBRA 480m/RAIN POWER CONDUCTOR 8.KM 0.720 3.1.1 Additional charges for stringing of River crossing 8.KM 1.770 9.1 Nos. 1770 9.1 Nos. 17							
### Compression in the following tower accessories as per technical specification and as directed by the engineer in charge. ### ARTHINIS DEVICE 2.1		,			T	1	
directed by the engineer in charge. 2.1 EARTHING DEVICE Nos. 177 2.2 NUMBER PLATE Nos. 1008 3.1 NUMBER PLATE Nos. 1008 3.1 Number PLATE Nos. 1008 3.2 BIRD GUARD Nos. 147 Nos. 1008 3.2 BIRD GUARD Nos. 147 Nos. 147 Nos. 1008 Nos. 147 Nos. 147 Nos. 1008 Nos. 147 Nos. 148 Nos. 147 Nos. 147 Nos. 147 Nos. 148 Nos. 147 Nos. 148 Nos. 147 Nos. 147 Nos. 148 Nos. 147 Nos. 148 Nos. 147 Nos. 147 Nos. 148 Nos. 147 Nos. 148 Nos. 147 Nos. 148 Nos. 148 Nos. 147 Nos. 148 Nos. 147 Nos. 148 Nos. 147 Nos. 148 Nos. 147 Nos. 148 Nos. 148 Nos. 148 Nos. 148 Nos. 148 Nos. 148 Nos. 147 Nos. 148 Nos. 1			IVI I	191.63			
2.2 DANGER BOARD 2.3 NUMBER PLATE Nos. 1477 2.4 PHASE PLATE Nos. 1008 2.5 BIRD GUARD Nos. 1008 Nos. 1008 Nos. 1008 Nos. 1008 Nos. 576 Nos. 1477 Nos. 336 Nos. 1477 Nos. 346 Nos. 1		directed by the engineer in charge.					
2.4 PHASE PLATE 2.5 BIRD GUARD 2.5 BIRD GUARD 2.6 ANTICUMBING DEVICE 2.7 CIRCUIT PLATE 4.1 Hoisting and thoing of insulators with required accessories, paying out of conductor jointing, stringing, sagging & Jumpering etc. of power conductor with G.I. Earth wire in the proposed lines and without earth wire with all required accessories including saffolding for 38 (V/11 KV, U.T., PAT lines, roads and using own required TAP and compression jointing machines etc. with 1.5% provision for Sag & Wastage and as per the direction of Engineer in charge. 3.1 LL-ACSR ZEBRA 490mm/Aluminium clad/Galvanise steel core type) power coductor 3.1.1 Additional charges for stringing of EHT line crossing 3.1.1 Additional charges for stringing of EHT line crossing 4.1 Region of No. Circuits 3.2 Stringing of A No. Circuits 3.2.1 Additional charges for stringing of Rilway line crossing/4 track Rly.Line)(Amount Circuit Access ZEBRA 547/73.18 POWER CONDUCTOR 4.1 Erection of OPGW fibre Optic Cable for speech, data & protection 4.1 Erection of OPGW fibre Optic Cable for speech, data & protection 4.1 Erection of OPGW fibre Optic Cable for speech, data & protection 5. TOTAL OF ELECTRICAL WORKS (PART-A) PARTB CIVIL WORKS 5. Tochnical personnel's, labours for conducting Primary survey whisting as survey asceretaing feasible roue and marking on topo sheet preparation of route alignment map Detail survey and resurvey (sequired for avoiding ROW problem) including but not limited to taking of levels, profile jointing, tower spotting, marking of towers locations at site including showing PAS fline, power line, Railway line, eriver crossing, roads and submission of route map and survey report etc. The PAT lines and railway lines for aminimum distance of 8 kms on either step for avoiding ROW problem) including but not limited to taking of levels, profile jointing, relieve prossing, roads and submission of route map and survey report etc. The PAT lines and railway lines for a minimum distance of 8 kms on either step for avoiding ROW problem) includin			Nos.				
2.4 PHASE PLATE 2.5 BIRD GUARD Nos. 576 2.6 ANTICLIMBING DEVICE Nos. 147 2.7 CIRCUIT PLATE Hoising and fixing of insulators with required accessories, paying out of conductor jointing, stringing, sagging 3 Jumpering etc. of power conductor with G.I. Earth wire in proposed lines and without earth wire with all required accessories including scaffolding for 33 KV,11 KV, LT, PST lines, roads and using own required TAP and compression jointing machines etc. with 1.5% provision for Sag & Wastage and as per the direction of Engineer in charge. 3.1 LL-ACGR ZEBRA 49/mal PoWER CONDUCTOR Stringing of A Nos. Circuits 3.1.1 Additional charges for stringing of River crossing RKM 0.720 3.1.2 Additional charges for stringing of River crossing RKM 1.770 3.2 Multi-Circuit ACGR ZEBRA 54/mal PoWER CONDUCTOR (Stringing of A Nos. Circuits) RKM 4.440 3.2.1 Additional charges for stringing of Railway line crossing(4 track Rly-Line)(Amount considered twice the cost of Normal cost) 4. Erection of OPGW fibre Optic Cable for speech, data & protection 4.1 Erection of OPGW fibre Optic Cable for speech, data & protection 4.1 Erection of 48Fibre(DWSM) OPGW fibre Optic along with hardware and approach cables TOTAL OF ELECTRICAL WORKS (PART-A) PARTB B CNIL WORKS SURVEY OF LINE & PREPARATION LAND SCHEDULE: Supply of required T&P's, Technical personnel's, labours for conducting Detail survey and resurvey accerteding feasible roue and marking on topo sheet preparation for virole alignment map Detail survey and resurvey accerteding feasible roue and marking on topo sheet preparation for our virole map and survey report etc. The PAT lines and railway lines for aminimum distance of 8 kms on either side of alignment shall be clearly indicated. 4.3 Check survey including supply of all labour, T&P as per instruction of Engineer in Charge							
2.5 BIRD GUARD 2.6 ANTICUMBING DEVICE 2.7 CIRCUIT PLATE Holsting and fixing of insulators with required accessories, paying out of conductor jointing, stringing, sagging & Jumpering etc. of power conductor with G.I. Earth wire in the proposed lines and without earth wire with all required accessories including scalinging, stringing, sagging & Jumpering etc. of power conductor with G.I. Earth wire in the proposed lines and without earth wire with all required accessories including scalinging, stringing, stranging, sagging & Jumpering etc. of power conductor with G.I. Earth wire in the proposed lines and without earth wire with all required accessories including scalinging received in the proposed lines and without earth wire with all required accessories including accessories inc			Nos.				
2.6 ANTICLIMBING DEVICE 2.7 CIRCUIT PLATE Hoising and Tixing of insulators with required accessories, paying out of conductor Jointing, stringing, saggling & Jumpering etc. of power conductor with G.I. Earth wire in the proposed lines and without earth wire with all required accessories including scaffolding for 33 KV,11 KV, LT , P&T lines, roads and using own required T&P and compression jointing machines etc. with 1.5% provision for Sag & Wastage and as per the direction of Engineer in charge. 1.1 LL-ACSR ZEBRA 490mm(Aluminium clad/Galvanise steel core type) power coductor RKM 3.1.1 Additional charges for stringing of EHT line crossing RKM 1.770 3.1.2 Additional charges for stringing of River crossing RKM 1.770 3.1.2 Additional charges for stringing of River crossing RKM 3.2.1 Cincincincincincincincincincincincincinci				1008			
2.7 CIRCUIT PLATE A Chieck survey including soft insulators with required accessories, paying out of conductor jointing, stringing, sagging & Jumpering etc. of power conductor with G.I. Earth wire in the proposed lines and without earth wire with all required accessories including scaffolding for 33 KV.11 KV, LT, PAT lines, roads and using own required TâP and compression jointing machines etc. with 1.5% provision for Sag & Wastage and as per the direction of Engineer in charge. 3.1 LL-ACSR ZEBRA 490mm(Aluminium clad/Galvanise steel core type) power coductor 3.1.1 Additional charges for stringing of ENTE increasing RKM 0.720 3.1.2 Additional charges for stringing of River crossing RKM 1.770 3.2 Stringing of 4 Nos. Circuits) 3.2.1 Additional charges for stringing of River crossing RKM 4.440 3.2.1 Additional charges for stringing of River crossing RKM 4.440 3.2.1 Additional charges for stringing of River crossing RKM 4.440 3.2.1 Erection of OFGW fibre Optic Cable for speech, data & protection considered wive the cost of Normal cost) 4. Erection of OFGW fibre Optic Cable for speech, data & protection 4.1 Erection of 48Fibre(DWSM) OPGW fibre Optic clable for speech, data & protection 5. SURVEY OF LINE & PREPARATION LAND SCHEDULE: supply of required TâP's, Technical personnel's, labours for conducting 7. PREPIRIMARY survey-Making walk over survey asceretaing feasible roue and marking on topo sheet, preparation of route alignment map. 8. Detail survey and resurvey (required for avoiding ROW problem) including but not limited to taking of levels, profile plotting, tower spotting, marking of towers locations at site in topo sheet, preparation of route alignment map. 8. Route KM 9. Route KM 1. Check survey including supply of all labour, T&P as per instruction of Engineer in Charge 1. Check survey including spowing of Rail labour, T&P as per instruction of Engineer in Charge			Nos.				
Hoisting and fixing of insulators with required accessories, paying out of conductor jointing, stringing, saging & Jumpering etc. of power conductor with G.I. Earth wire in the proposed lines and without earth wire with all required accessories including scaffolding for 33 KV,11 KV, LT, P&T lines, roads and using own required T&P and compression jointing machines etc. with 1.5% provision for Sag & Wastage and as per the direction of Engineer in charge. 3.1 LL-ACSR ZEBRA 490mm/Aluminium clad/Galvanise steel core type) power coductor 3.1.1 Additional charges for stringing of EHT line crossing 3.1.2 Additional charges for stringing of River crossing 3.1.2 RKM 0.720 3.1.2 Additional charges for stringing of River crossing 3.1.3 RVM 0.720 3.2 Stringing of 4 Nos. Circuits 3.2.1 Circuit ACSR ZEBRA 54/7/3.18 POWER CONDUCTOR Stringing of 4 Nos. Circuits 3.2.1 Circuit ACSR ZEBRA 67/7/3.18 POWER CONDUCTOR Stringing of 4 Nos. Circuits 3.2.1 Circuit ACSR ZEBRA 67/7/3.18 POWER conductor 4.1 Erection of OPGW fibre Optic Cable for speech, data & protection 4.1 Erection of 48-Fibre(DWSM) OPGW fibre Optic along with hardware and approach cables TOTAL OF ELECTRICAL WORKS (PART-A) PART B CIVIL WORKS 38.440 Technical personnel's, labours for conducting Preliminary survey- Making walk over survey asceretaing leasible roue and marking on too be seed, preparation of route alignment map Detail survey and resurvey (required for avoiding ROW problem) including but not limited to taking of levels, profile plotting, ower sporting, marking of towers locations at site including showing P&T line, power line, Railway line, river crossing, roads and submission of route map and survey report etc. The P&T lines and railway lines for a minimum distance of 8 km on either side of alignment map Check survey including supply of all labour, T&P as per instruction of Engineer in Charge	2.6						
Jointing, stringing, sagging & Jumpering etc. of power conductor with G.I. Earth wire in the proposed lines and without earth wire with all required accessories including scaffolding for 33 KV,11 KV, LT , P&T lines, roads and using own required T&P and compression jointing machines etc. with 1.5% provision for Sag & Wastage and as per the direction of Engineer in charge. 3.1 LL-ACSR ZEBRA 490mm(Aluminium clad/Galvanise steel core type) power coductor 3.1.1 Additional charges for stringing of EHT line crossing 3.1.2 Additional charges for stringing of Relm in crossing 3.1.3 RKM 3.1.2 Additional charges for stringing of Relm crossing 3.2 Multi Circuit ACSR ZEBRA 547/3.18 POWER CONDUCTOR (Stringing of A Nos. Circuits) 3.2.1 Additional charges for stringing of Railway line crossing(4 track Rly.Line)(Amount considered twice the cost of Normal cost) 4 Erection of OPGW fibre Optic Cable for speech, data & protection 4.1 Erection of 48Fibre(DWSM) OPGW fibre Optic along with hardware and approach cables TOTAL OF ELECTRICAL WORKS (PART-A) PART B CIVIL WORKS 1.1 AURIEVE OF LINE & PREPARATION LAND SCHEDULE: Supply of required T&P's, Technical personnel's, labours for conducting 1.2 Preliminary survey- Making walk over survey asceretaing feasible roue and marking on tops sheet, preparation of route alignment map Detail survey and resurvey (required for avoiding ROW problem) including but not limited to taking of levels, profile plotting, tower spotting, marking of towers locations at site including showing P&T line, power line, Railway line, river crossing, roads and submission of route map and survey report etc. The P&T lines and railway lines for a minimum distance of 8 kms on either side of alignment shall be clearly indicated. 1.3 Check survey including supply of all labour, T&P as per instruction of Engineer in Charge	2.7		Nos.	336			
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TOTAL OF ELECTRICAL WORKS (PART-A) PART B CIVIL WORKS SURVEY OF LINE & PREPARATION LAND SCHEDULE: Supply of required T&P's, Technical personnel's, labours for conducting 1.1 Preliminary survey- Making walk over survey asceretaing feasible roue and marking on topo sheet, preparation of route alignment map Detail survey and resurvey (required for avoiding ROW problem) including but not limited to taking of levels, profile plotting, tower spotting ,marking of towers locations at site including showing P&T line, power line, Railway line, river crossing, roads and submission of route map and survey report etc. The P&T lines and railway lines for a minimum distance of 8 kms on either side of alignment shall be clearly indicated. Route KM 38.444 Route KM 38.444	4	Erection of OPGW fibre Optic Cable for speech, data & protection					
PART B CIVIL WORKS 1 SURVEY OF LINE & PREPARATION LAND SCHEDULE: Supply of required T&P's, Technical personnel's, labours for conducting 1.1 Preliminary survey- Making walk over survey asceretaing feasible roue and marking on topo sheet, preparation of route alignment map Detail survey and resurvey (required for avoiding ROW problem) including but not limited to taking of levels, profile plotting, tower spotting, marking of towers locations at site including showing P&T line, power line, Railway line, river crossing, roads and submission of route map and survey report etc. The P&T lines and railway lines for a minimum distance of 8 kms on either side of alignment shall be clearly indicated. Check survey including supply of all labour, T&P as per instruction of Engineer in Charge Route KM 38.444	4.1	, ,	Kms.	38.440			
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to taking of levels, profile plotting, tower spotting ,marking of towers locations at site including showing P&T line, power line, Railway line, river crossing, roads and submission of route map and survey report etc. The P&T lines and railway lines for a minimum distance of 8 kms on either side of alignment shall be clearly indicated. Check survey including supply of all labour, T&P as per instruction of Engineer in Charge	1.1	topo sheet,preparation of route alignment map	Route KM	38.444			
I 13 S I ROUTE KM 32 M// I I I I	1.2	to taking of levels, profile plotting, tower spotting ,marking of towers locations at site including showing P&T line, power line, Railway line, river crossing, roads and submission of route map and survey report etc. The P&T lines and railway lines for a minimum distance of 8 kms on either side of alignment shall be clearly indicated.	Route KM	38.444			
	1.3	, , , , , ,	Route KM	38.444			

1.4	Preparation of land schedule on revenue (if required)maps indicating alignment therein duly authenticated by Revenue Inspector & Tahasildar, enumeration of trees with the help of Forest officer and other prominent features required for alignment of the proposed 220 KV line. Final route to be plotted on 1:50000 topo sheet for approval.	Route KM	38.444		
1.5	Soil Testing in complete shape along with submission of report etc. up to the depth of 15 Mtrs.	Per Loc.	35		
2	EXCAVATION WORKS FOR OPEN CAST/SHALLOW TYPE FOUNDATIONS				
2.1	Excavation for following type of 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/morrum/sand shall be brought for filling and compaction, including supply of sand, all T&P, labour as required.				
2.1.1	Soft/Loose soil	CUM	5000		
2.1.2	Dense/Compact soil	CUM	13200		
2.1.3	Partial Submerged soil	CUM	2500		
2.1.4	Fully submerged soil	CUM	1500		
2.1.5	Soft/Disintegrated rock(Not requiring Blasting)	CUM	4500		
2.1.6	Hard Rock(Requiring Blasting/Using breaker machinery)	CUM	1850		
3	FOUNDATION MATERIALS: Supply of all materials like cement, steel, all coarse aggregates, fine aggregates and making foundations of the required above mentioned type towers as per the direction laid down in the technical specification and the direction of the site- in charge				
3.1	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.	CUM	690.00		
3.2	Design, Engineering and laying of reinforced cement concrete (RCC1:1.5:3) of grade M20 for open cast foundation with supply of approved quality coarse aggregates(Nominal size 12mm to 20mm), fine aggregates, cement and inclusive of labour charges for concrete mixing, supply and fixing of form boxes, curing, shoring, shuttering, testing of sample cement concrete cubes as per IS. The height of the coping shall be 350mm above the finished concrete level. The surrounding area shall be clear from materials. Damage of land if any by the contractor shall be repaired before measurement. This includes supply of all labourers, T&P and dewatering wherever required as per Technical specification and instruction of Engineer In charge.	СИМ	3345.00		
3.3	Design, Engineering and laying of reinforced cement concrete (RCC1:1:2) of grade M25 for open cast foundation with supply of approved quality coarse aggregates(Nominal size 12mm to 20mm), fine aggregates, cement and inclusive of labour charges for concrete mixing, supply and fixing of form boxes, curing, shoring, shuttering, testing of sample cement concrete cubes as per IS. The height of the coping shall be 350mm above the finished concrete level. The surrounding area shall be clear from materials. Damage of land if any by the contractor shall be repaired before measurement. This includes supply of all labourers, T&P and dewatering wherever required as per Technical specification and instruction of Engineer In charge.	СИМ	1650.00		
3.4	Supply and Cutting bending hooking ,fixing and binding in position of MS bars for reinforcement of foundation concrete of towers including supply of wire for binding (With supply of steel rod(TATA/RINL/SAIL Make).	MT	238.27		
3.5	PILE FOUNDATION (UNDER-REEMED)				
3.5.1	Boring for under reemed cast-in situ piling with bentonite showing for stabilisation of bore pile diameter(500mm) and approximate length of bore is 10 metre with under reemed.	Mtr.	320.00		
3.5.2	Supply of all materials like cement, all coarse aggregates,labours,T&P & making pile foundations as per specifications in RCC 1:1.5:3(Grade M-20)(without cost of steel)	Cum	105.00		
3.5.3	Steel of different size (as per design) with cutting, bending, binding in position of MS Rod for reinforcement of foundation concrete of towers (under-reemed pile) including supply of binding wire (with supply of steel rod TATA/RINL/SAIL make)	MT	8.00		
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	Pile riser (if required),cap,tie beam with RCC 1:1.5:3(Grade M-20), including supply of all materials					
3.5.4	like cement,coarse,fine aggregates,shuttering T&P,labours,de-watering,proper curin of	CUM	30.00			
	foundations/concrete as per technicals specifications(Without cost of steel)					
	Steel of different size (as per design) with cutting, bending, binding in position of MS Rod for					
3.5.5	reinforcement of foundation concrete of towers(pile riser & capping) including supply of binding	MT	2.00			
	wire(with supply of steel rod TATA/RINL/SAIL make)					
3.6	PILE FOUNDATION IN THE RIVER BED					
	Supply of materials like cement, steel, all coarse aggregates, fine aggregates and making 1000mm dia					
	pile foundaions(after pile boring as per required depth,basing on design by DMC method or motor					
	driven machinery etc.) of the required above mentioned type towers and as per requirement including					
3.6.1	supply of all equipments with labours proper curing of the foundation and T&P as per specification in					
	the concrete grade M-25 including supply of bentonite required for stabilisation bore of required					
	diameters bore holes applicable for piles upto the required depth.					
3.6.1.1	Boring for river bed cast-in situ piling	Mtr.	200.00			
3.5.1.2	Concrete ratio 1:1:2(Grade M-25) without supply of steel for river bed piling	CUM	250.00			
	Cutting, bending, hooking, fixing and binding in position of MS bar for reinforcement of foundation					
3.5.1.3	concrete of towers including supply of steel and binding wire.	MT	24.00			
	Fixing charges for MS liner including the supply of material like MS sheet of adequate					
3.5.1.4	thickness, fabrication, cuttin, bending, binding, putting the liner in appropriate position and other related	MT	49.00			
5.5.1.7	works.			1		
	PILE RISER, CAPPING, PEDESTAL & TIE BEAM CONCRETE WORKS OF RIVER BED PILES					
3.6.2	The state of the s					
3.6.2.1	P.C.C.(Lean concrete) in ratio 1:3:6(Grade M-10)	CUM	13.00			
0.0.2.1	Pile riser(If required),cap,tie beam with RCC 1:1.5:3(Grade M-20) including supply of all materials like	COIVI	10.00	1		
3.6.2.2	cement,coarse,fine aggregates,shuttering T&P,labours,dewatering,proper curing of the	CUM	238.00			
3.0.2.2	foundation/concrete as per the techinical specification(without cost of steel)	OOW	230.00			
	Steel of different size (as per design) with cutting, bending, binding in position of MS Rod for					
3.6.2.3	reinforcement of foundation concrete of towers(pile riser & capping) including supply of binding	MT	12.00			
3.0.2.3	wire(with supply of steel rod TATA/RINL/SAIL make)	IVII	12.00			
4						
4	DE-WATERING(FOR OPEN CAST LOCATION)	110.11	224.22			
4 4.1	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis.	HP Hour	994.00			
4.1	DE-WATERING(FOR OPEN CAST LOCATION)	HP Hour	994.00			
	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis.	HP Hour	994.00			
4.1	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis.	HP Hour	994.00 2500.00			
4.1 5 5.1	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis. Supply of borrowed earth/morrum for back filling for foundation/revetment works beyond 30mtr &up to 100 mtr lead					
4.1 5	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis. Supply of borrowed earth/morrum for back filling for foundation/revetment works beyond 30mtr &up to 100 mtr lead beyond 100 mtr lead	CUM	2500.00			
4.1 5 5.1 5.1	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis. Supply of borrowed earth/morrum for back filling for foundation/revetment works beyond 30mtr & up to 100 mtr lead beyond 100 mtr lead SHORING & SHUTTERING-Required in wet/submerged or special locations of open	CUM CUM	2500.00 2700.00			
4.1 5 5.1	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis. Supply of borrowed earth/morrum for back filling for foundation/revetment works beyond 30mtr &up to 100 mtr lead beyond 100 mtr lead	CUM	2500.00			
4.1 5 5.1 5.1	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis. Supply of borrowed earth/morrum for back filling for foundation/revetment works beyond 30mtr & up to 100 mtr lead beyond 100 mtr lead SHORING & SHUTTERING-Required in wet/submerged or special locations of open cast/shallow type foundations with supply of all materials, T&P and Labour.	CUM CUM	2500.00 2700.00			
4.1 5 5.1 5.1	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis. Supply of borrowed earth/morrum for back filling for foundation/revetment works beyond 30mtr & up to 100 mtr lead beyond 100 mtr lead SHORING & SHUTTERING-Required in wet/submerged or special locations of open	CUM CUM	2500.00 2700.00			
4.1 5 5.1 5.1	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis. Supply of borrowed earth/morrum for back filling for foundation/revetment works beyond 30mtr & up to 100 mtr lead beyond 100 mtr lead SHORING & SHUTTERING-Required in wet/submerged or special locations of open cast/shallow type foundations with supply of all materials, T&P and Labour.	CUM CUM SQ.MTR.	2500.00 2700.00 4500.00			
4.1 5 5.1 5.1	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis. Supply of borrowed earth/morrum for back filling for foundation/revetment works beyond 30mtr &up to 100 mtr lead beyond 100 mtr lead SHORING & SHUTTERING-Required in wet/submerged or special locations of open cast/shallow type foundations with supply of all materials, T&P and Labour. Head-Loading of all types of foundation-materials, towers, structures, conductors,	CUM CUM SQ.MTR.	2500.00 2700.00			
4.1 5 5.1 5.1	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis. Supply of borrowed earth/morrum for back filling for foundation/revetment works beyond 30mtr &up to 100 mtr lead beyond 100 mtr lead SHORING & SHUTTERING-Required in wet/submerged or special locations of open cast/shallow type foundations with supply of all materials, T&P and Labour. Head-Loading of all types of foundation-materials, towers, structures, conductors, Insulators, Hard-wares for inaccessible Locations beyond 400 mtrs from the nearest approach road as per the recommendation of site Engineer-In- Charge and approval of	CUM CUM SQ.MTR.	2500.00 2700.00 4500.00			
4.1 5 5.1 5.1 6	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis. Supply of borrowed earth/morrum for back filling for foundation/revetment works beyond 30mtr &up to 100 mtr lead beyond 100 mtr lead SHORING & SHUTTERING-Required in wet/submerged or special locations of open cast/shallow type foundations with supply of all materials, T&P and Labour. Head-Loading of all types of foundation-materials, towers, structures, conductors, Insulators, Hard-wares for inaccessible Locations beyond 400 mtrs from the nearest approach road as per the recommendation of site Engineer-In- Charge and approval of the General Manager of Concerned circle.	CUM CUM SQ.MTR.	2500.00 2700.00 4500.00			
4.1 5 5.1 5.1 6 7	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis. Supply of borrowed earth/morrum for back filling for foundation/revetment works beyond 30mtr &up to 100 mtr lead beyond 100 mtr lead SHORING & SHUTTERING-Required in wet/submerged or special locations of open cast/shallow type foundations with supply of all materials, T&P and Labour. Head-Loading of all types of foundation-materials, towers, structures, conductors, Insulators, Hard-wares for inaccessible Locations beyond 400 mtrs from the nearest approach road as per the recommendation of site Engineer-In- Charge and approval of the General Manager of Concerned circle. WELDING OF TOWER MEMBERS	CUM CUM SQ.MTR. Per MT/ Per Mtr.	2500.00 2700.00 4500.00			
4.1 5 5.1 5.1 6	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis. Supply of borrowed earth/morrum for back filling for foundation/revetment works beyond 30mtr &up to 100 mtr lead beyond 100 mtr lead SHORING & SHUTTERING-Required in wet/submerged or special locations of open cast/shallow type foundations with supply of all materials, T&P and Labour. Head-Loading of all types of foundation-materials, towers, structures, conductors, Insulators, Hard-wares for inaccessible Locations beyond 400 mtrs from the nearest approach road as per the recommendation of site Engineer-In- Charge and approval of the General Manager of Concerned circle. WELDING OF TOWER MEMBERS Supply of all materials for continuous welding of bolts & nuts (around the bolts) up to top	CUM CUM SQ.MTR. Per MT/ Per Mtr.	2500.00 2700.00 4500.00			
4.1 5 5.1 5.1 6 7	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis. Supply of borrowed earth/morrum for back filling for foundation/revetment works beyond 30mtr &up to 100 mtr lead beyond 100 mtr lead SHORING & SHUTTERING-Required in wet/submerged or special locations of open cast/shallow type foundations with supply of all materials, T&P and Labour. Head-Loading of all types of foundation-materials, towers, structures, conductors, Insulators, Hard-wares for inaccessible Locations beyond 400 mtrs from the nearest approach road as per the recommendation of site Engineer-In- Charge and approval of the General Manager of Concerned circle. WELDING OF TOWER MEMBERS Supply of all materials for continuous welding of bolts & nuts (around the bolts) up to top of tower without cross arm, including welding rods, welding generator machine (diesel	CUM CUM SQ.MTR. Per MT/ Per Mtr.	2500.00 2700.00 4500.00 50000.00			
4.1 5 5.1 5.1 6 7	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis. Supply of borrowed earth/morrum for back filling for foundation/revetment works beyond 30mtr &up to 100 mtr lead beyond 100 mtr lead SHORING & SHUTTERING-Required in wet/submerged or special locations of open cast/shallow type foundations with supply of all materials, T&P and Labour. Head-Loading of all types of foundation-materials, towers, structures, conductors, Insulators, Hard-wares for inaccessible Locations beyond 400 mtrs from the nearest approach road as per the recommendation of site Engineer-In- Charge and approval of the General Manager of Concerned circle. WELDING OF TOWER MEMBERS Supply of all materials for continuous welding of bolts & nuts (around the bolts) up to top of tower without cross arm, including welding rods, welding generator machine (diesel engine operator.), application of required zinc rich paints around the welding portion after	CUM CUM SQ.MTR. Per MT/ Per Mtr.	2500.00 2700.00 4500.00			
4.1 5 5.1 5.1 6 7	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis. Supply of borrowed earth/morrum for back filling for foundation/revetment works beyond 30mtr &up to 100 mtr lead beyond 100 mtr lead SHORING & SHUTTERING-Required in wet/submerged or special locations of open cast/shallow type foundations with supply of all materials, T&P and Labour. Head-Loading of all types of foundation-materials, towers, structures, conductors, Insulators, Hard-wares for inaccessible Locations beyond 400 mtrs from the nearest approach road as per the recommendation of site Engineer-In- Charge and approval of the General Manager of Concerned circle. WELDING OF TOWER MEMBERS Supply of all materials for continuous welding of bolts & nuts (around the bolts) up to top of tower without cross arm, including welding rods, welding generator machine (diesel	CUM CUM SQ.MTR. Per MT/ Per Mtr.	2500.00 2700.00 4500.00 50000.00			
4.1 5 5.1 5.1 6 7	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis. Supply of borrowed earth/morrum for back filling for foundation/revetment works beyond 30mtr &up to 100 mtr lead beyond 100 mtr lead SHORING & SHUTTERING-Required in wet/submerged or special locations of open cast/shallow type foundations with supply of all materials, T&P and Labour. Head-Loading of all types of foundation-materials, towers, structures, conductors, Insulators, Hard-wares for inaccessible Locations beyond 400 mtrs from the nearest approach road as per the recommendation of site Engineer-In- Charge and approval of the General Manager of Concerned circle. WELDING OF TOWER MEMBERS Supply of all materials for continuous welding of bolts & nuts (around the bolts) up to top of tower without cross arm, including welding rods, welding generator machine (diesel engine operator.), application of required zinc rich paints around the welding portion after	CUM CUM SQ.MTR. Per MT/ Per Mtr.	2500.00 2700.00 4500.00 50000.00			
4.1 5 5.1 5.1 6 7	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis. Supply of borrowed earth/morrum for back filling for foundation/revetment works beyond 30mtr &up to 100 mtr lead beyond 100 mtr lead SHORING & SHUTTERING-Required in wet/submerged or special locations of open cast/shallow type foundations with supply of all materials, T&P and Labour. Head-Loading of all types of foundation-materials, towers, structures, conductors, Insulators, Hard-wares for inaccessible Locations beyond 400 mtrs from the nearest approach road as per the recommendation of site Engineer-In- Charge and approval of the General Manager of Concerned circle. WELDING OF TOWER MEMBERS Supply of all materials for continuous welding of bolts & nuts (around the bolts) up to top of tower without cross arm, including welding rods, welding generator machine (diesel engine operator.), application of required zinc rich paints around the welding portion after	CUM CUM SQ.MTR. Per MT/ Per Mtr.	2500.00 2700.00 4500.00 50000.00			
4.1 5 5.1 5.1 6 7	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis. Supply of borrowed earth/morrum for back filling for foundation/revetment works beyond 30mtr &up to 100 mtr lead beyond 100 mtr lead SHORING & SHUTTERING-Required in wet/submerged or special locations of open cast/shallow type foundations with supply of all materials, T&P and Labour. Head-Loading of all types of foundation-materials, towers, structures, conductors, Insulators, Hard-wares for inaccessible Locations beyond 400 mtrs from the nearest approach road as per the recommendation of site Engineer-In- Charge and approval of the General Manager of Concerned circle. WELDING OF TOWER MEMBERS Supply of all materials for continuous welding of bolts & nuts (around the bolts) up to top of tower without cross arm, including welding rods, welding generator machine (diesel engine operator.), application of required zinc rich paints around the welding portion after welding (two coats),fuel,lubricants,T&P and labours and other arrangements etc. REVETMENT: (including Benching) Supply of all materials like cement, Late-rite	CUM CUM SQ.MTR. Per MT/ Per Mtr. Nos.	2500.00 2700.00 4500.00 50000.00			
4.1 5 5.1 5.1 6 7 8 8.1	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis. Supply of borrowed earth/morrum for back filling for foundation/revetment works beyond 30mtr &up to 100 mtr lead beyond 100 mtr lead SHORING & SHUTTERING-Required in wet/submerged or special locations of open cast/shallow type foundations with supply of all materials, T&P and Labour. Head-Loading of all types of foundation-materials, towers, structures, conductors, Insulators, Hard-wares for inaccessible Locations beyond 400 mtrs from the nearest approach road as per the recommendation of site Engineer-In- Charge and approval of the General Manager of Concerned circle. WELDING OF TOWER MEMBERS Supply of all materials for continuous welding of bolts & nuts (around the bolts) up to top of tower without cross arm, including welding rods, welding generator machine (diesel engine operator.), application of required zinc rich paints around the welding portion after welding (two coats),fuel,lubricants,T&P and labours and other arrangements etc. REVETMENT: (including Benching) Supply of all materials like cement, Late-rite stone (stone masonry) all type aggregates, labours, & T&P for construction of	CUM CUM SQ.MTR. Per MT/ Per Mtr. Nos.	2500.00 2700.00 4500.00 50000.00			
4.1 5 5.1 5.1 6 7	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis. Supply of borrowed earth/morrum for back filling for foundation/revetment works beyond 30mtr &up to 100 mtr lead beyond 100 mtr lead SHORING & SHUTTERING-Required in wet/submerged or special locations of open cast/shallow type foundations with supply of all materials, T&P and Labour. Head-Loading of all types of foundation-materials, towers, structures, conductors, Insulators, Hard-wares for inaccessible Locations beyond 400 mtrs from the nearest approach road as per the recommendation of site Engineer-In- Charge and approval of the General Manager of Concerned circle. WELDING OF TOWER MEMBERS Supply of all materials for continuous welding of bolts & nuts (around the bolts) up to top of tower without cross arm, including welding rods, welding generator machine (diesel engine operator.), application of required zinc rich paints around the welding portion after welding (two coats),fuel,lubricants,T&P and labours and other arrangements etc. REVETMENT: (including Benching) Supply of all materials like cement, Late-rite stone (stone masonry) all type aggregates, labours, & T&P for construction of revetment walls as per requirement to protect the towers, where felt unsafe and as	CUM CUM SQ.MTR. Per MT/ Per Mtr. Nos.	2500.00 2700.00 4500.00 50000.00			
4.1 5 5.1 5.1 6 7 8 8.1	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis. Supply of borrowed earth/morrum for back filling for foundation/revetment works beyond 30mtr &up to 100 mtr lead beyond 100 mtr lead SHORING & SHUTTERING-Required in wet/submerged or special locations of open cast/shallow type foundations with supply of all materials, T&P and Labour. Head-Loading of all types of foundation-materials, towers, structures, conductors, Insulators, Hard-wares for inaccessible Locations beyond 400 mtrs from the nearest approach road as per the recommendation of site Engineer-In- Charge and approval of the General Manager of Concerned circle. WELDING OF TOWER MEMBERS Supply of all materials for continuous welding of bolts & nuts (around the bolts) up to top of tower without cross arm, including welding rods, welding generator machine (diesel engine operator.), application of required zinc rich paints around the welding portion after welding (two coats),fuel,lubricants,T&P and labours and other arrangements etc. REVETMENT: (including Benching) Supply of all materials like cement, Late-rite stone (stone masonry) all type aggregates, labours, & T&P for construction of	CUM CUM SQ.MTR. Per MT/ Per Mtr. Nos.	2500.00 2700.00 4500.00 50000.00			
4.1 5 5.1 5.1 6 7 8 8.1	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis. Supply of borrowed earth/morrum for back filling for foundation/revetment works beyond 30mtr &up to 100 mtr lead beyond 100 mtr lead SHORING & SHUTTERING-Required in wet/submerged or special locations of open cast/shallow type foundations with supply of all materials, T&P and Labour. Head-Loading of all types of foundation-materials, towers, structures, conductors, Insulators, Hard-wares for inaccessible Locations beyond 400 mtrs from the nearest approach road as per the recommendation of site Engineer-In- Charge and approval of the General Manager of Concerned circle. WELDING OF TOWER MEMBERS Supply of all materials for continuous welding of bolts & nuts (around the bolts) up to top of tower without cross arm, including welding rods, welding generator machine (diesel engine operator.), application of required zinc rich paints around the welding portion after welding (two coats),fuel,lubricants,T&P and labours and other arrangements etc. REVETMENT: (including Benching) Supply of all materials like cement, Late-rite stone (stone masonry) all type aggregates, labours, & T&P for construction of revetment walls as per requirement to protect the towers, where felt unsafe and as per approved drawing and the direction of Engineer in charge.	CUM CUM SQ.MTR. Per MT/ Per Mtr. Nos.	2500.00 2700.00 4500.00 50000.00			
4.1 5 5.1 5.1 6 7 8 8.1	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis. Supply of borrowed earth/morrum for back filling for foundation/revetment works beyond 30mtr &up to 100 mtr lead beyond 100 mtr lead SHORING & SHUTTERING-Required in wet/submerged or special locations of open cast/shallow type foundations with supply of all materials, T&P and Labour. Head-Loading of all types of foundation-materials, towers, structures, conductors, Insulators, Hard-wares for inaccessible Locations beyond 400 mtrs from the nearest approach road as per the recommendation of site Engineer-In- Charge and approval of the General Manager of Concerned circle. WELDING OF TOWER MEMBERS Supply of all materials for continuous welding of bolts & nuts (around the bolts) up to top of tower without cross arm, including welding rods, welding generator machine (diesel engine operator.), application of required zinc rich paints around the welding portion after welding (two coats),fuel,lubricants,T&P and labours and other arrangements etc. REVETMENT: (including Benching) Supply of all materials like cement, Late-rite stone (stone masonry) all type aggregates, labours, & T&P for construction of revetment walls as per requirement to protect the towers, where felt unsafe and as	CUM CUM SQ.MTR. Per MT/ Per Mtr. Nos.	2500.00 2700.00 4500.00 50000.00			
4.1 5 5.1 5.1 6 7 8 8.1	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis. Supply of borrowed earth/morrum for back filling for foundation/revetment works beyond 30mtr &up to 100 mtr lead beyond 100 mtr lead SHORING & SHUTTERING-Required in wet/submerged or special locations of open cast/shallow type foundations with supply of all materials, T&P and Labour. Head-Loading of all types of foundation-materials, towers, structures, conductors, Insulators, Hard-wares for inaccessible Locations beyond 400 mtrs from the nearest approach road as per the recommendation of site Engineer-In- Charge and approval of the General Manager of Concerned circle. WELDING OF TOWER MEMBERS Supply of all materials for continuous welding of bolts & nuts (around the bolts) up to top of tower without cross arm, including welding rods, welding generator machine (diesel engine operator.), application of required zinc rich paints around the welding portion after welding (two coats),fuel,lubricants,T&P and labours and other arrangements etc. REVETMENT: (including Benching) Supply of all materials like cement, Late-rite stone (stone masonry) all type aggregates, labours, & T&P for construction of revetment walls as per requirement to protect the towers, where felt unsafe and as per approved drawing and the direction of Engineer in charge. Excavation in all type of soil including rock & back filling including supply of	CUM CUM SQ.MTR. Per MT/ Per Mtr. Nos.	2500.00 2700.00 4500.00 50000.00			
4.1 5 5.1 5.1 6 7 8 8.1	DE-WATERING(FOR OPEN CAST LOCATION) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis. Supply of borrowed earth/morrum for back filling for foundation/revetment works beyond 30mtr &up to 100 mtr lead beyond 100 mtr lead SHORING & SHUTTERING-Required in wet/submerged or special locations of open cast/shallow type foundations with supply of all materials, T&P and Labour. Head-Loading of all types of foundation-materials, towers, structures, conductors, Insulators, Hard-wares for inaccessible Locations beyond 400 mtrs from the nearest approach road as per the recommendation of site Engineer-In- Charge and approval of the General Manager of Concerned circle. WELDING OF TOWER MEMBERS Supply of all materials for continuous welding of bolts & nuts (around the bolts) up to top of tower without cross arm, including welding rods, welding generator machine (diesel engine operator.), application of required zinc rich paints around the welding portion after welding (two coats),fuel,lubricants,T&P and labours and other arrangements etc. REVETMENT: (including Benching) Supply of all materials like cement, Late-rite stone (stone masonry) all type aggregates, labours, & T&P for construction of revetment walls as per requirement to protect the towers, where felt unsafe and as per approved drawing and the direction of Engineer in charge.	CUM CUM SQ.MTR. Per MT/ Per Mtr. Nos.	2500.00 2700.00 4500.00 50000.00			

9.1.6	PCC in the ratio 1:2:4.	CUM	82		
9.1.7	RR/Laterite Stone Masonry work in the ratio 1:5.	CUM	1800		
10	PTCC approval, railway crossing has to be obtained by submitting the required documents to the concerned department through OPTCL. The documents for PTCC clearance & Railway clearance including required drawings etc. has to be submitted by the contractor within 5 months of award of contract. Beyond the above period L.D as applicable & the amount shall be deducted as specified in the specification.	Sot	1.00		
	TOTAL OF Line (Civil Work)				
	TOTAL OF ERECTION LINE (Electrical Work) & (Civil Work) -Schedule-4-line (to				
	Schedule No. 6 Grand Summary)				

Name of Bidder:	
Signature of Bidder:	

¹ Specify currency in accordance with specifications in Bid Data Sheet under ITB 19.1 in Single-Stage Bid, or ITB 34.1 in Two-Stage Bid.

ODISHA POWER	TP ANSMISSION	CORPORATION	IMITED
UDIODA PUWER	IKANSIMISSIUN	CURFURATION	

NAME OF THE WORK:-Construction of 220 kV LILO Line from existing 220 KV Duburi-Meramandali line to 220 /132 KV Out Door type GIS S/S, Dhenkanal. (Approx. Line length-38.44 Km) . in Odisha State of India under PACKAGE-2 Under Japan International Cooperation Agency (JICA)'s ODA Loan.

Loan Agreement No: [ID-P245] -FB No: [CPC/JICA/ICB/02/18-19/.....]-Reference Identification No: [OPTCL/JICA/PKG-2] Schedule No. 6. Grand Summary NAME OF THE BIDDER Total Price1 Foreign Local Description Item 1 Total Schedule No. 1. Plant, Supplied from Abroad (Substation+Line) Total Schedule No. 2. Plant, Supplied from Within the Employer's Country (substation+Line) 2 3 Total Schedule No. 3. Design Services (Not Applicable) Total Schedule No. 4. Installation and Other Services (substation+Line) 4 Total Schedule No. 5. Provisional Sums (Not to be considered for Evaluation) Total(to Bid Form)

Name of Bidder:_____Signature of Bidder:_____

¹ Specify currency in accordance with specifications in Bid Data Sheet under ITB 19.1 in Single-Stage Bidding, or ITB 34.1 in Two-Stage Bidding. Create and use as many columns for Foreign Currency requirement as there are foreign currencies.

NAME OF THE WORK:-Construction of 220 kV LILO Line from existing 220 KV Duburi-Meramandali line to 220/132 KV Out Door type GIS S/S, Dhenkanal. (Approx. Line length-38.44 Km) . in Odisha State of India under PACKAGE-2 Under Japan International Cooperation Agency (JICA)'s ODA Loan.

Loan Agreement No: [ID-P245] - FB No:	[CPC/JICA/ICB/02/18-19/]- Reference Identification No: [OPTCL/JICA/PKG-				PKG-2]		
Schedule No. 7. Recommended Spare Parts							
NAME OF THE BIDDER							
Sl. No. DESCRIPTION OF ITEMS	Unit	Quantity	Unit Price		Total Price in INR		
SUPPLY OF SPARES FOR THE FOLLOWING EQUIPMENTS.			CIP	Ex-Works Price			
(As per Technical Specification)			(foreign parts)	Local Parts			
	(1)	(1)	(2)	(3)	(1) x (2) or (3)		
TOTAL							
	Name of Bidder:						
	Signature of Bidder:						
Note: Recommended Spares shall not be taken in to consideration for evaluation purpose.							

NAME OF THE WORK:-Construction of 220 kV LILO Line from existing 220 KV Duburi-Meramandali line to 220 /132 KV Out Door type GIS S/S, Dhenkanal. (Approx. Line length-38.44 Km) . in Odisha State of India under PACKAGE-2 Under Japan International Cooperation Agency (JICA)'s ODA Loan.

	Loan Agreement No: [ID-P245] - FB No:	/ICB/02/18-19/]-	/02/18-19/]- Reference Identification No: [OPTCL/JICA/PKG-2]						
Schedule No. 8. Details of Taxes & Duties									
	NAME OF THE BIDDER	I							
SI No	Description of Applicable Tax/Levy			Tax @%	T c	Total Amount of Taxes /Duty/ Levies			
1	Details of Taxes and levies on the direct / bought out transabetween Bidder and ODISHA POWER TRANSMISSION CORPLICTD included in the Bid Price above but as may be payable POWER TRANSMISSION CORPORATION LTD (Schedue-1 & 2	ORATION by ODISHA							
(i)	TOTAL IGST								
(ii)	TOTAL CGST								
(III)	TOTAL OGST								
(iv)	TOTAL Any other tax TOTAL OF TAXES AND DUTIES [Sum (i) to (iv)								
2	Details of Taxes and levies on the direct / bought out transabetween Bidder and ODISHA POWER TRANSMISSION CORPLITD included in the Bid Price above but as may be payable POWER TRANSMISSION CORPORATION LTD (Schedue- 4)	ORATION							
(i)	TOTAL IGST								
(ii)	TOTAL CGST								
(III)	TOTAL OGST								
(iv)	TOTAL Any other tax								
	TOTAL OF TAXES AND DUTIES [Sum (i) to (iv)	`							
4	F. Total Bid Price: (including Taxes & Duties and other levie	5)		ne of Bidder:ature of Bidder:					