

कार्यालय, नगर पालिक निगम, कोरबा (छत्तीसगढ़)

फा.क. 688 / 2024

सिस्टम टेंडर नं. 153512

कोरबा दिनांक 29.02.2024


ई-निविदा आमंत्रण सूचना

कार्यालय नगर पालिक निगम, कोरबा द्वारा लोक निर्माण विभाग एकीकृत पंजीयन प्रणाली अंतर्गत राक्षम श्रेणी में पंजीकृत ठेकेदारों से प्रमुख अभियंता लोक निर्माण विभाग, रायपुर द्वारा भवन कार्य हेतु दिनांक 01.01.2015 एवं विद्युत (01.06.2020), ब्रिज (01.06.2020) से प्रभावशील दर अनुसूची पर (निविदा खुलने के दिनांक तक समस्त संशोधनों के साथ शेड्यूल अनुसार प्रतिशत दर पर ई-प्रोक्युरमेंट (E-Tendering) के माध्यम से निविदा प्रपत्र फार्म A में निविदा आमंत्रित की जाती है :-

क्र.	कार्य का नाम	प्राक्कलन राशि (लाख में)	धरोहर राशि (FDR/TDR)	कार्यावधि	निविदा प्रतिभागी शुल्क (DD)	ठेकेदार का वर्ग	निविदा खुलने की तिथि
1	वार्ड क 30 दादर खुर्द मार्ग से प्रधानमंत्री आवास योजना (2784 आवास) बाउण्ड्रीवॉल तक सी.सी.रोड, आर.सी.सी. नाली, टो-वॉल एवं बाह्य विद्युतीकरण का कार्य	185.69	140000/-	6 माह	3000/-	वर्ग सी एवं प्रवर श्रेणी	22.03.2024 से

शर्त:-

- निविदा दरे प्रचलित सी.एस.आर.से कम या अधिक प्रतिशत दरों पर दिया जावे सी.एस.आर.के अंतर्गत के आयटमों पर पृथक से आयटम दरों का उल्लेख करने पर निविदा निरस्त मानी जावेगी
- जिन ठेकेदारों द्वारा नगर पालिक निगम (साडा) के किसी ठेके के कार्य में अनुबंध के अनुरूप कार्य न किया गया हो अथवा नगर पालिक निगम (साडा) के हित के विरुद्ध कार्य किया गया हो उन्हें निविदा भरने की पात्रता नहीं होगी।
- इच्छुक ठेकेदारों को उचित वर्ग में पंजीयन की प्रमाणित प्रतिलिपि यदि साझेदारी फर्म हो तो उसका प्रमाण पत्र (पार्टनरशीप डीड) की सत्य प्रतिलिपि, उपलब्ध तकनीकी अमले की जानकारी, विगत 3 वर्षों का आयकर चुकता प्रमाण पत्र/पैन नम्बर, जी.एस.टी. पंजीयन प्रमाण पत्र एवं अमानत राशि के FDR/TDR की प्रति ऑनलाईन अपलोड करना अनिवार्य होगा, प्रशिक्षित यंत्री नियुक्त करने संबंधी प्रमाण पत्र, कर्मचारी भविष्य निधि रायपुर से पंजीकरण का कोड, निविदा प्रतिभागी शुल्क का डिमाण्ड ड्राफ्ट एवं धरोहर राशि FDR/TDR, शपथपत्र का स्केन कापी ऑन लाईन सिस्टम पर अपलोड करना अनिवार्य होगा।
 - अमानत राशि का वैध FDR/TDR, निविदा प्रतिभागी शुल्क का DD एवं शपथ पत्र की मूल प्रति लिफाफा में कार्य का नाम एवं अन्य विवरण अंकित कर केवल स्पीड पोस्ट/रजिस्टर्ड डाक के माध्यम से निविदा खुलने की तिथि में दोपहर 3.00 बजे तक आयुक्त,नगर पालिक निगम,कोरबा साकेत भवन, आई.टी.आई.चौक रामपुर कोसावाड़ी पिन- 495677 कोरबा को उपलब्ध कराना अनिवार्य होगा।
 - निविदाकार को प्रत्येक निविदा में पंजीयन क्षमता के अंतर्गत वर्तमान में नगर निगम या अन्य विभागों में उनके द्वारा किये जा रहे कार्यों का विवरण राशि सहित मूलप्रति में वैध शपथपत्र (राशि रु. 100/- नॉनज्यूडिशियल स्टाम्प) निविदा आमंत्रण दिनांक के पश्चात का, निविदा क्रमांक एवं कार्य का नाम अंकित करना अनिवार्य होगा।
 - अमानत राशि का FDR/TDR एवं निविदा प्रतिभागी शुल्क का DD जो कि आयुक्त, नगर पालिक निगम,कोरबा के नाम पर देय हो प्रस्तुत करना अनिवार्य होगा।
- सम्पूर्ण किये गये कार्यों के लिए प्रत्येक चल देयकों में से 5 प्रतिशत सुरक्षा राशि 01 वर्ष के लिए एवं मरम्मत एवं संधारण मद को छोड़कर शेष कार्यों में 5 प्रतिशत परफार्मेंस सिक्यूरिटी की गारंटी के रूप में से 03 वर्ष के लिए रोकी जावेगी।
- जिन निविदाकारों द्वारा कर्मचारी भविष्य निधि संगठन एवं कर्मचारी राज्य बीमा निगम, रायपुर से पंजीयन कराकर कोड प्राप्त कर लिया हो वे निविदाकार ही निविदा हेतु पात्र होंगे।
- निविदा में भाग लेने वाले ठेकेदारों को छ.ग. भवन और अन्य सन्निर्माण कर्मकार (नियोजन एवं सेवा शर्तों का विनियमन) अधिनियम 1996 एवं तदंतर्गत निर्धारित नियमों के तहत पंजीयन कराना आवश्यक होगा तथा निर्माण लागत का 1 प्रतिशत उपकर के रूप में प्रत्येक देयक से कटौती की जावेगी।
- ईंट से संबंधित निर्माण कार्यों में फ्लाइ ईश ब्रिक का उपयोग किया जाना अनिवार्य होगा।
- प्रयुक्त लोहा का बिल एवं टेस्ट रिपोर्ट तथा प्रयुक्त सीमेंट का बिल संलग्न करना अनिवार्य होगा।
- निविदा दरों असामान्य कमी प्रतीत होने पर सफल निविदा दाता से अनुबंध के पूर्व एस.ओ.आर. एवं निविदा दर की अंतर की राशि के समतुल्य परफार्मेंस गारंटी के रूप में राष्ट्रीयकृत बैंक एफ.डी.आर., पोस्ट ऑफिस, टाईम डिपॉजिट अथवा एन.एस.सी. जो कि आयुक्त नगर पालिक निगम, कोरबा के नाम पर देय होगा जो मांग तिथि से 15 दिवस के भीतर जमा करना अनिवार्य होगा। उपरोक्त राशि समयावधि में जमा न करने की दशा में निविदा स्वमेव निरस्त मानी जावेगी।
- निविदा अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नहीं किया जावेगा।
- निविदा प्रपत्र फार्म -ए की कडिका 11 अनुसार एस्कलेशन देय नहीं होगा।
- निविदा के संबंध में किसी प्रकार की विवाद होने की स्थिति में आयुक्त का निर्णय अंतिम एवं सर्वमान्य होगा।
- निविदा स्वीकृत करने अथवा अस्वीकृत करने अथवा निरस्त करने का अधिकार नगर पालिक निगम के पास सुरक्षित रहेगा।
- उपरोक्त निविदा सूचना की विस्तृत प्रति नगर पालिक निगम, कोरबा के साकेत भवन स्थित निर्माण शाखा से प्राप्त किये जा सकते हैं।


कार्यपालन अभियंता
नगर पालिक निगम
कोरबा (छत्तीसगढ़)

प्रतिलिपि-

प्रोग्रामर, संचालनालय, नगरीय प्रशासन एवं विकास विभाग, रायपुर को uad.cg.gov.in में अपलोड करने हेतु प्रेषित।

Date-Time Detail(s)

Seq. No.	Nagar Nigam Stage	Contractor Stage	Start		Expiry		Remarks
			Date	Time	Date	Time	
1	Release Tender		20.02.2024	15.00	20.02.2024	15.00	Release Tender
2		Bid Submission	20.02.2024	15.00	21.03.2024	17.30	
3		Physical Document Submission	20.02.2024	15.00	22.03.2024	15.00	
4	Tender Open		22.03.2024	16.00	--	--	


EXECUTIVE ENGINEER
KORBA (CG)
For, Commissioner Korba (C.G.)

OFFICE OF THE MUNICIPAL CORPORATION KORBA (C.G.)

Name of work:- Construction of cement concrete road, R.C.C.Drain ,toe wall and external electrification work from Dadar main Road to PMAY 2784

Main gate

PWD ROAD SOR 01.01.2015


S. NO	SOR NO	PARTICULAR	NO.	L	B	D	QTY.	UNIT	RATE	AMOUNT
3	3.20	Excavation in Soil (by Mechanical Means.) Excavation for roadway in soil using mechanical means including loading in tipper for carrying of cut earth to embankment site and unloading with all lifts and lead upto 1000 meters as per								
			1	350.0	9.0	0.25	787.5			
							787.50	Cum	95.00	74812.50
2	3.12	Construction of embankment with Material Obtained from Borrow Pits/Borrow Area (Construction of embankment with approved material/selected soil having C.B.R.>5 (unless specified otherwise in the contract) obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement of table 300-2)								
			1.00	350.00	9.00	0.30	945.00			
			1.00	380.00	9.50	1.50	5415.00			
							6360.00	cum	223.00	1418280.00


3.13	Construction of sub-grade with Material Obtained from Borrow Pits/Borrow Area (Construction of sub-grade with approved material/selected soil having C.B.R.>8 (unless specified otherwise in the contract) obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and								
		1	720.0	8.5	0.25	1530.0			
						1530.00	Cum	250.00	382500.00
5	3.15 Compacting Original Ground (i) Compacting Original Ground supporting sub-grade Loosening of the ground upto a level of 500 mm below the subgrade level , watered, graded and compacted in layers to meet requirement of table 300-2 for sub grade	Qty Same as item no. 8/3.13				1530.00	Cum.	50.00	76500.00
6	4.10 Granular Sub-base as per Table:- 400-1								
	Construction of granular sub-base by providing graded Material, , carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface watering, rolling and compacting with vibratory power roller at OMC to achieve the desired density.								
	A Plant mix method (with Mechanically crushed stone only)								
	(a) For Lower Sub-base with								
	(i) Grading-III Material (4 Lane Roa	1	720.0	7.80	0.25	1404.0			
						1404.00	Cum.	1423.00	1997892.00

	4.10	Wet Mix Macadam (Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base								
			1	720.0	7.80	0.15	842.4			
					TOTAL=		842.40	Cum.	1434.00	1208001.60
8	4.13	Construction of Shoulders (Construction of shoulders as per clause 408 with selected soil from borrow pits / borrow areas having CBR not less than 12 and shall have L.L. and P.I. not more than 25% and 6% respectively, inclusive of all leads and lifts, including clearing and scrapping of existing surface, providing required cross fall, compacting. watering rolling and rovalty charges etc								
	A	With vibratory roller (4 Lane Road) (sholder deduction cseb chock 100m)								
			2	720.0	1.50	0.30	648.00			
							648.00	Cum.	291.00	188568.00

	5.10	Dry Lean Cement Concrete Sub-base as per IRC:SP-49 (Construction of dry lean cement concrete Sub-base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 26.5 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/cum, optimum moisture content to be determined during trial								
			1	720.0	6.40	0.15	691.20			
							691.20	Cum.	2332.00	1611878.40
10	6.20	Cement Concrete Pavement (Construction of un-reinforced, dowel jointed, plain cement concrete pavement as per IRC:58 over a prepared sub-base, coarse and fine aggregate conforming to IS:383 and graded as per table 600-3 mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion,								
	(i)	With Cement concrete grade M-30 and minimum cement content @ 375 kg/cum	1	720.0	6.00	0.30	1296.00			
							1296.00	Cum.	4750.00	6156000.00

8.13	Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beads on Bituminous Surface (Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35-1997.								
		2	720.0	0.15		216.00			
		0.5	720.0	0.15		54.00			
						270.00	Sqm	707.00	190890.00
TOTAL=									13305322.50
Toe wall									490321.00
external electrification									1773824.00
box culvert									965782.08
drain									2033673.08
total=									18568922.66
Say rs.=									18569000.00


 ASST. Engineer
 Municipal Corporation
 Korba (C.G.)

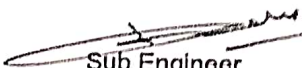

 Sub Engineer
 Municipal Corporation
 Korba (C.G.)

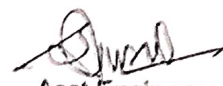
Detailed estimate for Toe wall

Toe wall- 1.2m Ht

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE	AMOUNT
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and								
	In all types of soil	1	50.00	1.80	1.80	162.00			
	(SOR. ITEM NO.-1.1.1/9)					162.00	CUM	185.00	29970.00
2	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete								
	(SOR. ITEM NO.-1.18/11)	1	50.00	1.80	0.15	13.50			
						13.50	CUM	371.00	5008.50
3	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	1:3:6(1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								
	(SOR. ITEM NO.-3.1./23)								
	BASE	1	50.00	1.80	0.15	13.50	CUM	2970.0	40095.00
4	Providing and laying design mix reinforced cement concrete with crushed graded stone aggregate 20mm nominal size using batching plant, transit mixer and concrete pump, in all works upto plinth level excluding cost of								
	(SOR. ITEM NO. 2.2.1/22)								
	b) M-20								
	Bottom Slab-	1	50.00	1.50	0.30	22.50			
	Wall-	1	50.00	0.30	1.20	18.00			
	Shear key	1	50.00	0.30	0.30	4.50			

						45.00	CUM	4221.00	130395.00
5	Providing and fixing formwork including centering, shuttering, strutting staging propping bracing etc. complete and including its removal at all levels for:								
	1.2) Wall of any thickness including attached pilasters, buttresses etc. in super st.								
	Bottom Slab-	2	50.00	0.30	30.00				
		2	50.00	0.60	60.00				
	WALL	2	50.00	1.20	120.00				
					210.00	BQIM	228.00	47220.00	
6	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting bending binding etc. complete as per drawings Including cost of binding wire all complete:								
	(SOR ITEM NO.-3.12.1/24)	as per item no.3	70.00		3150.00				
					3150.00	kg	54.50	171575.00	
7	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.(SOR ITEM NO.-1.17)								
	Excavation qauntity				162.00				
	WALL				-18.00				
	BOTTAM SLAB				-22.50				
				TOTAL	81.50	CUM	85.00	5237.50	
				TOTAL				490321.00	


 Sub Engineer
 Municipal Corporation
 Korba (C.G.)


 Asst. Engineer
 Municipal Corporation
 Korba (C.G.)

OFFICE OF THE MUNICIPAL CORPORATION KORBA (C.G.)

DETAIL ESTIMATE BOX CULVERT

OF BOX CULVERTS


S.No.	SOR Item No.	Description	no	L	W	H	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6	7	8	9	10	11
Foundation										
1	2.1/1 3	Excavation for Structures Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material including dewatering etc. complete.								
	A	Ordinary Soil								
	(I)	Upto 3m depth								
		Ordinary rock (not requiring blasting)								
			3	8.0	2.00	1.50	72.00			
						Total	72.00	Cum	207.00	14904.00
		Add extra 20% in the rates of above items for dewatering (Assessment of dewatering shall be made as per site condition)					72.00	cum	41.40	
										2980.80
2	5.1	Providing and laying boulders apron on river bed for protection against scour with stone boulders weighing not less than 40 kg each complete as per drawing and Technical specification as per relevant clauses of section 2503	3.000	8.00	2	0.150	7.20			
							7.20	cum	2413.00	17373.60
4	2.3/1 3	Sand Filling in Foundation Trenches as per Drawing & Technical Specification	3	8.0	2.00	0.150	7.20			
							7.20	CUM	1234.00	8884.80

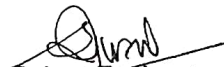
28.08	X100/1 000	2.81	MT	69002.0	193757.616
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353027.38

Super-Structure

10	4.1/2 5	Furnishing and Placing Reinforced/ Prestressed cement concrete in super-structure as per drawing and Technical Specification sections 1500, 1600 and 1700 (Newly laid concrete shall be covered by gunny bags).							
	A	RCC Grade M 25							
	I	For solid Slab Super Structure							
	(b)	Using Batching Plant, Transit Mixer and Concrete Pump							
	(l)	Height upto 5m							
			3	8.0	2.00	0.30	14.40		
			6	2.0	0.20	0.90	2.16		
							16.56	CUM	6877
									113883.12
11	4.2/2 7	Supplying, fitting and placing HSD (High Strength Deformed Steel) bar reinforcement in super-structure complete as per drawing and technical specifications							
			16.56	x100/1 000			1.66	MT	70101
									116087.256
									229970.376
								AMOUNT	965782.08


Sub-Engineer
Municipal Corporation
Korba (C.G.)


Asst. Engineer
Municipal Corporation
Korba (C.G.)


OFFICE OF THE MUNICIPAL CORPORATION KORBA (C.G.)

DETAIL ESTIMATE FOR CONSTRUCTION OF DRAIN

S. NO.	OR NO	PARTICULAR	NO.	LENGTH	WIDTH	QTY.	UNIT	RATE	AMOUNT
	(ii)	Construction of RCC open drain 0.60m x 0.60m inside dimension lined with 120 mm thick RCC M-20 walls, 120 mm thick CC M-20 foundation, over 100 mm thick (Av) leveling course in PCC M-15 including excavation , dressing of sides and bottom, provision of HYSD reinforcement consisting 8 mm dia horizontal bars @ 150 mm c/c and L-shaped 8 mm dia vertical bars @ 150 mm c/c (L= 800 mm) including cutting , bending and binding wire, placing in position , providing shuttering and concreting by using concrete mixer, compaction by vibration etc complete as per drawings and technical specifications.							
			1.00	700.00		700.00			
						700.00	Meter.	2592.00	1814400.00
2.00	3.25	Construction of RCC drain/chamber cover							
	(ii)	Construction of RCC drain/chamber cover, placing in position, providing shuttering and concreting by using concrete mixer, compaction by vibration etc complete as per drawings and technical specifications excluding reinforcement. with RCC M-20							
		for cover of Drain							
			1.00	350.00	0.60	31.50			
						31.50	Cum.	4146.00	130599.00

3.00	(iii)	Supplying, Fitting and Placing un-coated HYSD bar Reinforcement in drain/cover/chamber complete as per Drawing and Technical Specifications.							
		50 kg per cum	1.00	31.50		1575.00			
						1.58			
						1.58	MT.	56301.00	
								Total A	2033673.08


 ASST. Engineer
 Municipal Corporation
 Korba (C.G.)


 Sub Engineer
 Municipal Corporation
 Korba (C.G.)

OFFICE OF THE MUNICIPAL CORPORATION, KORBA (C.G.)
DETAILED ESTIMATE

ELECTRIFICATION						
ELECTRICAL SOR 01.06.2020						
Sl.No.	SOR No.	Description	unit	Qty	Rate	Amount
1	19.9	Supply and fixing following street light pole bracket on existing pole made out of 50 mm dia MS "B" class pipe welded to 300 mm long MS pole canopy of suitable dia at a angle of 102.50 including having MS triangular stiffner of size 150 X 50 X 5 mm thick, making arrangement for tightening the bracket with pole by providing suitable size heavy duty nuts and bolts in canopy, painting with one coat of approved steel primer etc. as per specification.				
	19.9.7	Double Over Hang 1.50 metre Long	Each	30.00	1869.00	56070.00
2	19.8	Supply of hot dipped galvanized (in single dip to minimum 75 micron) octogonal pole made of 3mm thick steel grade E-350 sheet having window and flush cover with locking arrangement at suitable height from base for cable termination block, pole suitably reinforced with welded steel section at window cut section to make the strength of pole unaffected, with following minimum specifications with 4 way terminal connector including 4mm thick anchor plate, 4 nos 24mm dia foundation bolts of EN8 grade, and as per IS 2062 & BS EN: 10025. (designed for wind speed upto 180km/hr, IS: 875 Part 3)				
	19.8.3	9 metre high, dia 155mm at bottom and 90mm at top, base plate size 260x260x16mm, foundation bolts 750mm long				
			Each	25.00	13974.00	349350.00
3	19.11	Erection of GI octogonal/ tubular/conical pole on existing cement concrete foundation having grouted bolts and nuts, aligning in true vertical position as per specification.				
	19.11.9	9 metre high	Each	25.00	985.00	24625.00
4	32.7	Supplying following sizes FRLS PVC insulated , PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade and as per IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1).				
	32.7.9	3 x 25 sq. mm	Metre	750	97	72750.00

OFFICE OF THE MUNICIPAL CORPORATION, KORBA (C.G.)
DETAILED ESTIMATE

ELECTRIFICATION						
ELECTRICAL SOR 01.06.2020						
Sl.No.	SOR No.	Description	unit	Qty	Rate	Amount
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	19.9.7	Double Over Hang 1.50 metre Long	Each	30.00	1869.00	56070.00
2	19.8	Supply of hot dipped galvanized (in single dip to minimum 75 micron) octogonal pole made of 3mm thick steel grade E-350 sheet having window and flush cover with locking arrangement at suitable height from base for cable termination block, pole suitably reinforced with welded steel section at window cut section to make the strength of pole unaffected, with following minimum specifications with 4 way terminal connector including 4mm thick anchor plate, 4 nos 24mm dia foundation bolts of EN8 grade, and as per IS 2062 & BS EN: 10025. (designed for wind speed upto 180km/hr, IS: 875 Part 3)				
	19.8.3	9 metre high, dia 155mm at bottom and 90mm at top, base plate size 260x260x16mm, foundation bolts 750mm long	Each	25.00	13974.00	349350.00
3	19.11	Erection of GI octogonal/ tubular/conical pole on existing cement concrete foundation having grouted bolts and nuts, aligning in true vertical position as per specification.				
	19.11.9	9 metre high	Each	25.00	985.00	24625.00
4	32.7	Supplying following sizes FRLS PVC insulated , PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade and as per IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1).				
	32.7.9	3 x 25 sq. mm	Metre	750	97	72750.00

5	19.12	Designing and providing suitable RCC foundation in Cement Concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) for 3 mere to 12 metre high GI octagonal pole including steel reinforcement form work, embedding 2 nos 50mm dia PVC pipe for cable entry in each foundation, excavation disposal of surplus soil and curing etc. as per specification.				
		TOTAL pole (0.8x.8x.8x.8) at Every 20 mtr	cum	25.00	5219	130475.00
6	14.2	Supplying and laying HDPE pipe of 4kg/Sqcm in ground below road, path etc at a depth not less than 40 cm and upto 90 cm including excavation, dismantling of road if required and refilling the trench with excavated material, ramming and making the surface good etc. as per specification.				
	14.2.1	63 mm outer dia	Metre	800	124	99200.00
7	14.3	Supplying and laying following size medium class G.I. pipe in ground below road, path etc at a depth not less than 40 cm and upto 90 cm including excavation, dismantling of road if required and refilling the trench with excavated material, ramming and making the surface good etc. as per specification.				
	14.3.3	100 mm internal dia	Metre	40.00	879.00	35160.00
	14.3.4	150 mm internal dia	Metre	40.00	1183.00	47320.00
8	15.1	Supplying and laying following sizes one number FRLS PVC insulated/XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade direct in ground at a depth not less than 40 cm and upto 90 cm including excavation, sand cushioning, protective covering and refilling the trench etc as per specification, IS: 1554				
	15.1.24	4 x 25 sq. mm.	Metre	800.00	321	256800.00
9	15.23	Supplying and making end termination with brass compression gland and aluminum lugs for following size armoured aluminum conductor power cable of 1.1 KV grade as per specification. .				
	15.23.25	4 X 25 sq. mm (25 mm)	Each	200.00	104.00	20800.00

10	12.1	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal and salt as per specification and IS Code 3043: 1987(R 2016)	Set	2.00	3243.00	6486.00
11	12.3	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe, with charcoal and salt as per specification and IS Code 3043: 1987(R 2016)	Set	2.00	6209.00	12418.00
12	12.12	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including soldering, excavation and refilling the trench etc. as per specification.	Metre	100.00	36.00	3600.00
13	7.19	Fabrication, supply, installation, testing and commissioning of cubicle type compartmentalized wall/ floor mounted power cum control panel board of specified size and following depth made out of not less than 2 mm thick GRGA MS powder coated sheet with suitable size compartments for bus bars, switchgears and necessary cutouts for voltmeters, ammeters etc as per specifications including powder coating painting but without busbars, switchgears				
	7.19.1	Upto 300 mm deep	sqm	10.00	6818.00	68180.00
13	7.20	Supply, installation, testing and commissioning of 4 pole (3 phase + neutral) aluminium bus bars in existing cubicle type compartmentalized wall/ floor mounted panel board along with suitable size and shape insulators, necessary bolts and nuts etc complete as per specification.				
	7.20.1	100 amp (20x3mm)	Metre	5.00	717.00	3585.00
14	7.15	Providing and making interconnection in cubical panel between BBC and switchgears with following size FRLS PVG insulated aluminium conductor wire lead of length upto 50cm including providing aluminium thimbles on both ends as per specification (To be measured separately for each phase/ neutral).				
	7.15.2	16 sqmm (63 amp)	Each	2.00	55.00	110.00

15	9.1	Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as per specification, IS/ IEC: 60947-2 and Ics = 100 % Icu.				
	9.1.4	3 pole MCCB, 100A, Adjustable Thermal - Magnetic Release, 25KA	Each	20.00	3734.00	74680.00
16	9.11	Supplying and fixing SP MCB, 240 volts, 'C' curve, suitable for inductive load in the existing MCB DB complete with connections, testing and commissioning etc. as per specification.				
	9.11.2	6 amps to 32 amps	Each	20.00	148.00	2960.00
17	9.12	Supplying and fixing DP MCB, 240 volts, 'C' curve, suitable for lighting and other loads in the existing MCB DB complete with connections, testing and commissioning etc. as per specification.				
	9.12.2	6 amps to 32 amps	Each	10.00	411.00	4110.00
18	9.16	Supplying and fixing TP&N MCB, 440 volts, 'C' curve, suitable for lighting and other loads in the existing MCB DB complete with connections, testing and commissioning etc. as per specification.				
	9.16.5	63 amps	Each	5.00	1316.00	6580.00
19	10.17	Providing and fixing panel mounting 230 volt LED type indicating lamp in existing cubical panel including, connections, testing and commissioning etc. as per specification.	Each	20.00	94.00	1880.00
20	10.18	Providing and fixing panel mounting following rating analog type ammeter of size 100x100 (NS) in existing cubical panel including, connections, testing and commissioning etc. as per specification.				
	10.18.2	0-100 amps	Each	20.00	372.00	7440.00
21	10.20	Providing and fixing panel mounting 0-500 volt voltmeter of size 100x100 (NS) in existing cubical panel including, connections, testing and commissioning etc. as per specification.				
	10.20.1	Analog type	Each	5.00	397.00	1985.00
22	10.21	Providing and fixing panel mounting selector switch in existing cubical panel including, connections, testing and commissioning etc. as per specification.				
	10.21.1	For voltmeter	Each	5.00	189.00	945.00
	10.21.2	For ammeter	Each	5.00	207.00	1035.00
		LED FOR POLE				

23	6.28	Supplying, installation, testing and commissioning of following 230/250 volts LED street light fitting with all accessories like driver, heat sink made of die cast aluminium with IP 66 protection and 15 KV surge protection on pole bracket, including connection, earthing, Separate housing for driver etc complete as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio \geq 120 lumens /watt.				
	6.29.2	135 watt		60.00		
			Each	60.00	8088.0	485280.00
		Total cost in Lacs				17,73,824.00

[Handwritten Signature]
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