## कार्यालय, नगर पालिक निगम, कोरबा (छत्तीसगढ़)

**मा.क. 1366 / 2024** 

सिस्टम टेंडर नं. 156212

कोरबा दिनांक 18.07.2024

## द्वितीय ई–निविदा आमंत्रण सूचना

कार्यालय नगर पालिक निगम, कोरबा द्वारा लोक निर्माण विभाग एकीकृत पंजीयन प्रणाली अंतर्गत सक्षम श्रेणी में पंजीकृत ठेकेदारों से प्रमुख अभियता लोक निर्माण विभाग, रायपुर द्वारा भवन कार्य हेतु दिनांक 0101.2015 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 प्रपन्न फार्म A में निविदा आमंत्रित की जाती है :-

.क.	कार्य का नाम	प्राक्कलन राशि (लाख में)	धरोहर राशि (FDR/TDR)		निविदा प्रतिभागी शुल्क (DD)		निविदा खुलने की तिथि
	नगर पालिक निगम क्षेत्रांतर्गत निर्मित बाल सुधार गृह तक सी.सी. रोड. नाली. पार्ळिंग शेड निर्माण कार्य। (जिला खनिज न्यास मद)	153.08	115000/-	6 माह	3000/-	वर्ग सी एवं प्रवर श्रेणी	06.08.2024 से 

- शत:-
- 1. 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
- 2.
- 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 विरूद्ध कार्य किया गया हो उन्हे निविदा भरने की पात्रता नही होगी। 3.
  - इच्छुंक ठेकेदारों को उचित वर्ग में पंजीयन की प्रमाणित प्रतिलिपि यदि साझेदारी फर्म हो तो उसका प्रमाण पत्र (पाटर्नरशीप डीड) की सत्य प्रतिलिपि, उपलब्ध तकनीकी अमले की जानकारी, विगत 3 वर्षों का आयकर चुकता प्रमाण पत्र/पेन 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 रायपूर से पंजीकरण का कोड, निविदा प्रतिभागी शुल्क का डिमाण्ड ड्राफ्ट एवं धरोहर राशि FDR/TDR, शपथपत्र का रकेन 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 कोसाबाडी 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 रू. 100/- नॉनज्यूडिशियल स्टाम्प) निविदा आमंत्रण दिनांक के पश्चात का, निविदा कमांक 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 4 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 5. लिया हो वे निविदाकार ही निविदा हेतू पात्र होंगे।
- निविदा में भाग लेने वाले ठेकेदारों को छ.ग. भवन और अन्य सन्निर्माण कर्मकार (नियोजन एवं सेवा शर्तों का विनियमन ) 6. अधिनियम 1996 एवं तदअंतर्गत निर्धारित नियमों के तहत् 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 फ्लाई एश ब्रिक का उपयोग किया जाना अनिवार्य होगा। 7.
- प्रयक्त लोहा का बिल एवं टेस्ट रिपोर्ट तथा प्रयुक्त सीमेंट का बिल संलग्न करना अनिवार्य होगा। 8.
- निविदा दरों असामान्य कमी प्रतीत होने पर सफल निविदा दाता से अनुबंध के पूर्व एस.ओ.आर. एवं निविदा दर की अंतर की 9 राशि के समतुल्य परफारमेंस 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 नही किया जावेगा। 10.
- निविदा प्रपत्र फार्म –ए की कंडिका 11 अनुसार एस्कलेशन देय नहीं होगा। 11.
- निविदा के संबंध में किसी प्रकार की विवाद होने की रिथति में आयुक्त का निर्णय अंतिम एवं सर्वमान्य होगा। 12.
- निविदा स्वीकृत करने अथवा अस्वीकृत करने अथवा निरस्त करने का अधिकार नगर पालिक निगम के पास सुरक्षित रहेगा। 13.
- उपरोक्त निर्विदा सूचना की विरतृत प्रति नगर पालिक निगम, कोरबा के साकेत भवन स्थित निर्माण शाखा से प्राप्त किये जा 14. सकते है।
- ठेकेदारों को निर्माण कार्य के दौरान निर्माण एवं अपशिष्ठ प्रबंधन नियम 2016 में किये गये प्रावधानों का पालन करना होगा। 15.
- ठेकेदार द्वारा संपादित किए गए कार्यों के देयकों का भुगतान बजट आबंटन और राशि उपलब्ध होने पर किया जाएगा। 16.

कार्रधीलन अभियंता म्रार मालिक निमम ट किस्बा (छत्तीसगढ़)

प्रतिलिपि–

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

## Date-Time Detail(s)

Seq.	Nagar Nigam Stage	Contractor Stage	Start		Expir	у	Remarks
No.		5-	Date	Time	Date	Time	
	Release Tender		18.07.2024	9.00	18.07.2024	10.00	Release Tender
2		Bid Submission	18.07.2024	10.00	05.08.2024	17.30	
3		Physical Document Submmission	18.07.2024	10.00	06.08.2024	15.00	
4	Tender Open		06.08.2024	16.00			

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

	DI	MUNI ETAILED ESTIMATE OF FLOO					RKING , I	DIST.	- KORBA (	C.G.)
2 Charles	10 10 10 10 10 10 10 10 10 10 10 10 10 1	As per P.W.D Build								
S/N	o S.O.R	Description of Items.	NOS.	L	B	D/H	QUANTIT	Unit	Rs.Rate in	AMOUNT
1	1.1.1	Excavation for all types and sizes of foundation, trenches and drains or for any other purpos including disposal of excavated stuff upto 1.5 m lift and upto 50 m (at least 5m away from the excavated area), including dressing and leveling of pits.				0.00	114.39	The second second		
		30+12.3+12.3	1	54.60	12.30	0.30	6.55			
		00112.0112.0	<u>+ '</u>	04.00	0.40	0.00	120.94	Cum	185.00	22374.27
2	1.18	Providing and filling in plinth with sand/Crusher dust and hard moorum under floor in layers not exceeding 20 Cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
		-	1	31.00			57.20			
-			1	54.60	0.40	0.15	3.28 60.47	Cum	371.00	22434.74
3	3.1	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.								
	3.1.3	1:3:6 (1 cement : 2 coarse sand : 4 graded stone aggregate 40mm nominal size).		24.00	10.00	0.15	57.20			
			1	54.60	12.30	0.15	3.28	_		
				54.00	0.40	0.15	60.47	Cum	2970.00	179598.87
4	7.5	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:								
	7.5.4	In Cement Mortar 1:6 (1 cement : 6 fine sand)								
			1	54.60	0.30	0.60	9.83			1
С. 							9.83	Cum	3263.00	32068.76
_										
5	3.13	Providing and laying damp proof course (upto 50mm thick) with plain cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded crushed stone aggregate 20mm nominal size) including form work.	9						<u>19</u>	
			1.00	54.60	0.30	0.10	1.64	Cum	4237.0	0 6940.2
5	11.2.41	Providing and making12 mm thick ement plater of mix:					- LNL			l l i

	I	n Cement Mortar 1:6 ( 1 cement : 6								
$\rightarrow$		ine sand)					22.76			
	<u>`</u>	wall		54.60		0.60	32.76			
			2.00	0.30		0.60	0.36 <b>33.12</b>	Sam	91.50	3030.48
							55.12	Jun	52.50	
7		Providing and making15 mm thick cement plaster on the rough side of single or half brick wall of mix								
		In cement Mortar 1:6 ( 1 cement : 6								
		fine sand)	1.00	54.60		0.60	32.76			
		wall	_	0.30		0.60	0.18			
			1.00				32.94	Sam	107.00	3524.58
8		Providing & laying 60mm thick precast interlocking concrete blocks of approved size (approx 305 sqcm) and shape/ pattern, over 40 mm thick average complete coarse sand bed with joints of 3mm thick filled by fine sand including leveling with surface vibrator, temping and sweeping etc. complete of minimum compressive strength of Pigment Coloured (rubber mould) precast interlock concrete blocks		31.00	12.30		381.30			
			I		-		381.30	sqm	632.00	240981.6
9		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. The finished surface to be level, uniform and free from streaks and holes.) for both side Stam Concrete								
		for both side Stam Concrete marking Item No. 8.13	4	30.00		0.30	36.00	Sqm	707.00	25452.00

				 			588416.91
	6 m wide road	2	67.90	135.80	rmt	383.00	52011.40
10	Cast in Situ Cement Concrete M 20 Kerb with Channel (Construction of cement concrete kerb with channel with top and bottom width 115 and 165 mm respectively, 250 mm high in M 20 grade PCC on M10 grade foundation 150 mm thick, kerb channel 300 mm wide, 50 mm thick in PCC M20 grade, sloped towards the kerb, kerb stone with channel laid with kerb laying machine, foundation concrete laid manually, all complete as per clause						

SUB ENGINEER Municipal Corporation, KORBA (Chhattisgarh)

Assistant Engineer, Municipal Corporation, KORBA (Chhattisgarh)

S/No S.C 1 1. 2 1. 3 3 3. 4 3. 4 3.		MU	NICIP	AL CO	RPOR	ATION				
	ETAI	LED ESTIMATE OF PARKING A [ As per P.W.D Bu	SHED	AND 7	RUSS	WITH	FOUNDAT	$\frac{10N, D}{0151}$	іят коі	RBA (C.G.)
	SOP	Description of Items.	liding	5.0.K.	In Por	L D/I	IOUANTII	Unit	Rs.Rate In	AMOUNT
3 3 3. 3. 4 3. 3.3 5 3.4	1.1.1	Excavation for all types and sizes of foundation, trenches and drains or for any other purpos including disposal of								
3 3 3. 3. 4 3. 3.3 5 3.4			20	1.80	1.80	1.50	97.20 97.20	Cum	185.00	17982.00
4 3.	1.18	Providing and filling in plinth with sand/Crusher dust and hard moorum under floor in layers not exceeding 20 Cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.	- 20	1.80	1.80	0.15	9.72			
4 3.			20	1.80	1.00	0.15	9.72	Cum	371.00	3606.12
4 3.	3.1	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.								
5 3.4	3.1.3	1:3:6 (1 cement : 2 coarse sand : 4 graded stone aggregate 40mm nominal size).	20	1.80	1.80	0.15	9.72			
5 3.4			20	1.00		_	9.72	Cum	2970.00	28868.40
5 3.4										
5 3.4	3.3	Providing and laying design mix reinforcement cement concrete with crushed graded stone aggregate 20mm nominal size using batching plant, transit mixer and concrete pump, in all works upto floor five level excluding cost of reinforcement and form work.								
5 3.4	3.3.2	M-20 Grade		1.50	1.50	0.35	15.75			
		FOOTING	20 20	1.50 0.40	1.50 0.40	1.80	5.76			
	-	COLUMN	20	0.40	0.40	4.00	12.80			
		COLUMN BEAM(30+30+12.3+12.3)	2	90.00	0.30	0.40	21.60		1001.00	DOCEEE 04
		BEAN(30+30+12.3+12.3)					55.91	Cum	4231.00	236555.21
6 3.12	34	Extra for laying PCC/RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to same quant	v				55.91	CUM	97.50	5451.23
6 3.12		Suno quan	ć							
	12.1	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 in foundation and plinth all complete: hermo-Mechanically Treated (TMT) Bars					55.91			
		120 Kg / cum. of R	.c.c. wo	ork			6709.20	KG.	54.50	365651.00
		120 1197 00111 01 1								

		Providing and fixing formwork including								
7	2.1	centering, shuttering, strutting, staging,								
		propping bracing etc. complete and								
		including its removal at all levels for								
	2.1.1	Foundations, footings, base of columns							1	
	2.1.1	and plinth beam in any shape and size.								
		PCC	20.00	7.20		0.15	21.60			
		footing		6.00		0.35	42.00			
		column		1.60		1.80	57.60			
		beam size:300*400		90.00		1.10	99.00			20607.00
							220.20	SQM	139.00	30607.80
8	2.1.5	columns,Pillars, piers and likes- rectangulay or square in shape in size.								
		for column up to slab lvl.+Prapet								
		lvl					100.00			
		For Main Column A	20.00	1.60		4.00	128.00			20046 00
						Total	128.00	sqm.	297.00	38016.00
							_			
9	2.1.8	Beams ,Lintels, Cantilevers & walls								
-		Slab Beam								
		size:300*400	1.00	90.00	-	1.10	99.00			
		544.500 400				Total	99.00	Sqm.	202.00	19998.00
	<u> </u>	Steel work in tubular (round, square or								
		rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting,								
		hoisting, fixing in position upto a height of 5m above plinth level,								
10	9.3	consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if								
		required), bolts, nuts and washers for								
		fastening etc. complete with applying a								
		priming coat of red oxide zinc							1	
		chromate primer.								
		Electric resistance or induction butt								
	9.3.1	welded tubes Grade-250								
		MAIN TRUSS TOP & BOTTOM	9	26.00		11.52	2695.68			
		SIDE	9	3.00		11.52	311.04			
		50X50X32(VERTICAL)	14	1.50		4.93	103.53			
		50X50X32(HORIZONTAL)	14	1.50		4.93	103.53			
		PURLINE (75X75X4)	14	31.60		4.93	2181.03			
			<u> </u>				5394.81			
		EXTA FOR CONNECTION 20%	20%				1078.96			
		EATA FUR CONNECTION 20%	2070				6473.77		Per kg	572929.03
							04/3.//	66.50	Per kg	372323.03
		Providing corrugated G.I. sheet roofing								
		including vertical/ curved surfaces								
		fixed with galvanized iron, J or L hooks,								
		bolts and nuts 8mm diameter with								8
		bitumen and G.I. limpet washers or with								
11	10.1	G.I. limpet washers filled with								· 2.
		white lead including painting with primer								L'AND
		and paint on overlapping of								120
		sheets complete excluding the cost of								112
		purlins rafters and trusses. (Zinc								
		coating not less than 272 gms/sqm)	_							
	10.1.1	purlins rafters and trusses (Zinc coating not less than 272 gms/sqm) 1.00 mm thick sheet (weight 8.60 kg/m2)								

							1 1		
12	10.5	Providing ridges or hips of 60cm overall width in plain G.I. sheet fixed with galvanized washers J or L hooks, bolts and nuts 8mm G.I. limpet and bitumen washers complete.							
	10 5 1	1.00 mm thick sheet with zinc coating not less than 275gm/sqm							
			1	31.60	1.00	31.60	596.00	Per Sqm	18833.60
						an weath and a star	TOTAL	we and -	1734509.59

SUB ENGINEER Municipal Corporation, KORBA (Chhattisgarh)

Assistant Engineer, Municipal Corporation, KORBA (Chhattisgarh)

and the

		MUNICIPA			TION					
]	DETAI	L ESTIMATE FOR CONSTRUCTION O	FR	<u>(C.G)</u> OAD DE C - KORI		PME	NT JUVE	NILE	CORRE	CTION
S.No.	SOR		No.	L	В	D	QTY.	UNIT	RATE	AMOUNT
204	<u>  Item No</u> D2015									
1	3.1	Excavation in Soil (by Manual Means.)								
-		Excavation for roadway in soil using including								
		loading in tipper for carrying of cut earth to								
		embankment site and unloading with all lifts								
		and lead upto1000 meters as per relevant clauses of								
		6 m wide road	+	470.00	7.00	0.50	1645.00			
		o m wide road	1	20.00		0.30	18.00			
							1663.00	Cum	140.00	232820.00
2	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 compacting to meet requirement								
		of table 300-2)	1	470.00	6.30	0.30	888.30			
		6 m wide road	1 i	20.00		0.30	18.00			
			-				906.30	Cum	250.00	226575.0
4	4.1	Granular Sub base as per Table :- 400 - 1								
	4.1	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, complete as per clause								
-		A Plant mix method (with Mechanically crushed								
4-a		stone only)								
		(a) For Lower Sub-base with								
-		(i) Grading-III Material		120.00	6 70	0.30	803.70			
		6 m wide road	1	470.00 20.00	5.70 3.00	0.30	18.00			
		Extra for Entry and Conecting parking road		20.00	5.00	0.50	821.70		1423.00	1169279.
_+		11 + M. Maradam (Providing laving spreading								
5	4.10	Wet Mix Macadam (Providing, laying, spreading								
		and compacting graded stone aggregate to wet mix macadam specification including premixing								
		mix macadam specification including premiums the Material with water at OMC in mechanical								152
		the Material with water at ONIC in mechanical								
		mix plant carriage of mixed Material by tipper to								ST.
		site, laying in uniform layers with paver in sub-								
		base / base course on well prepared surface and	· · · ·							20
		compacting with vibratory roller to achieve the								
	- Ie	desired density as per clause 406.)								
+-		ó m wide road	1	470.00	5.10		479.40			
+-	f		1	20.00	3.00	0.30				
							497.40	Cum	1434.00	713271

S.No.	SOR <u>Item No.</u> 4.13		No.	L	в	D	QTY.	UNIT	RATE	AMOUNT
		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 royalty charges etc. complete								
		A With vibratory roller								
		6 m wide road	2	470.00	1.00	0.65	611.00			

r allo

-								UNIT	RATE	AMOUNT
S.Na	SOR Item No.	PARTICULARS	No.	L	В	D	QTY. 611.00			281060.00
	ALL FOLLOWING						611.00	Cum	400.00	
6	6.1	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 length								
		construction, concrete strength not to be less than						1		-
		10 Mpa at 7 days, mixed in a batching plant,								
		transported to site, laid with a paver with electronic								
1		sensor, compacting with 8-10 tonnes vibratory								
		roller, finishing and curing as per clause 601.) item				0.10	239.70			
-		no 6.1 6 m wide road	1	470.00	5.10 3.00					
-		o in whethat		20.00	5.00	, 0.50	257.70	Cum	2332.00	600956.40
		Cement Concrete Pavement (Construction of un-								
7	6.2	reinforced, dowel jointed, plain cement concrete				1				
		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 payer, spread, compacted and finished in a								
		continuous operation including provision of								
		contraction expansion, construction and								
		tongitudinal joints, joint filler, separation								
		membrane, sealant primer, joint sealant, debonding								
		strip, dowel bar, tie rod, admixtures as approved,								4
		curing compound, finishing to lines and grades as								
		ii) With Cement concrete grade M-30 and minimum								
		cement content @ 375 kg/cum.	1	470.00	4.50	0.25	528.75	-	1750.00	2511562.50
		6 m wide road					528.75	Cum	4750.00	2511502.50
8	3.18	Providing and filling in positation, blown bitumin in								
l°	2.10	expansion joints per cm. depth and per cm. witdth.								
$\vdash$		in every 3 m. Page - 24.Item - 3.18( BUILDING SOR)			0.00		117.60			
$\vdash$		6 m wide road	1	470.00 20.00	0.25	0.30	117.50 18.00			
				20.00	3.00	0.50	135.50	rmt	5.10	691.05
9		Road Marking with Hot Applied Thermoplastic								
	10	Compound with Reflectorizing Glass Beads on								
		Situminous Surface (Providing and laying of				, L.			· · · ·	
	h	not applied thermoplastic compound 2.5 mm		2-				2 a 11		
	t lt	hick including reflectorizing glass beads @ 250								
	8.13	ms per som area, thickness of 2.5 mm is								
		xclusive of surface applied glass beads as per						A.		
		RC:35-1997. The finished surface to be level,								
		niform and free from streaks and holes.)								
	Ľ					1				-
				150.00	0.10		141.00			
	f	or both side Stam Concrete marking	2	470.00	0.15		141.00			

Na	SOR Item No.	PARTICULARS	No.	L	B	D	QTY.	UNIT	RATE	AMOUNT
	Incar (vo.			70.50			70.50			1 10 5 2 0 5 0
				10101			211.50	Sqm	707.00	149530.50
9	8.2	Cast in Situ Cement Concrete M 20 Kerb with Channel (Construction of cement concrete kerb with channel with top and bottom width 115 and 165 mm respectively, 250 mm high in M 20 grade PCC on M10 grade foundation 150 mm thick, kerb channel 300 mm wide, 50 mm thick in PCC M20 grade, sloped towards the kerb, kerb stone with channel laid with kerb laying machine, foundation concrete laid manually, all complete as per clause 409)). 6 m wide road	222	470.00 20.00			940.00 40.00	rmt	383.00	375340.00
			_				980.00	rmt	383.00	5755767
		Providing and fixing of Solar Raised Pavement Mark molded body with circular shape, solar powered, LEI mode, 360 degree illumination and reflective panels w capable of providing total internal reflection of the lig passive mode. The marker shall support a load of 200 ASTM D 4280. The marker should be resistant to du to IP 65 standards and should withstand temperatures Color of lighting could be provided in red or yellow ( typical frequency of blinking is 1Hz. There should be micro-amperes at 2.4 V in sleep-charging mode to en and a full charge should provide for a minimum autor width and length of the marker shall not be less than Also, the surface diameter of the marker shall not be respectively. The weight of the marker shall not excee be by drilling holes on the road for the shanks to go in epoxy resin based adhesive as per manufacturer''s rec	with mi th ento 000 kg st and s in the amber current hance nomy ( 10 mm less th d 0.5 I pside	ering the let tested in a water ingre- erange of 0 ) as per req nt losses of the life of t of 50 hours a x 100 mm an 100 mm Xilograms.	tic lens ns face ccordar ess acco oC to 7 uireme less the he marl . The h x 100 Fixing ls and u	in force to ording 70oC. nt and an 20 ker eight, mm. will using	1 940.00		3500.00	3290000.
		SIGNAL(470*2	740				940.00		3500.00	3290000.
									otal Rs	9551086.

SUB ENGINEER Municipal Corporation, KORBA (Chhattisgarh)

Assistant Engineer, Municipal Corporation, KORBA (Chhattisgarh)

MUNICIPAL CORPORATION

KORBA (C.G) DETAILED ESTIMATE FOR CONSTRUCTION OF R.C.C.DRAIN FOR JUVENILE CORRECTION CENTER AT - KORBA (R.C.C.DRAIN #90/#80MM) DRAIN NO.-1\_TOTAL LENGTH

1		(ACCC DEATY MANAGEM ) DEAT	NNO	-1 101	AL LE	NGTH	-			
S. Na	SOR NO	ltem	Nes	1.	R	D,	Quantity	Unit	Rate	Amount
1		3.20 Construction of RCC open drain			-					
i i	SOR 3.20.11	Construction of RCC open drain eCOMM x eCO Mm inside dimension lined with 150 mm thick RCC M-20 walls, 150 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 10 mm dia horizontal bars @ 150 mm clc and L-shaped 10 mm dia vertical bars @ 150 mm clc (L=1400 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								
1			2	100.00			200.00	meter	2592.00	51840
2		3.25 Construction of RCC Drain Cover/Chamber		_						
		u) 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								
1		For Road	2	100.00	0.80	0.20		Cum	111/ 00	13267
			$\rightarrow$		+		32.00	Cum	4146.00 To SAY	65107
+			-+		$\left  \right $			To	tal Rs -	65107

SUB ENGINEER Municipal Corporation, KORBA (Chhattisgarh)

Assistant Engineer

Municipal Corporation, KORBA (Chhattisgarh)

ARG	TRACT	MUN	ICIPAL CO	RPORAT	ION KOR	BA (Ĉ.G)				
	TRACT	FOR ROAD, DRAIN,CULVERT	, PARKIN	KORI	BA	SCAPE A	T JUVEN	ILE CORF	RECTION C	ENTER AT
	S.O.R.			WAITING	<u>g shed</u>		1	T	<u> </u>	
S. No.	ITEM NO.	Item	Nos	L	В.	11/D	Quantity	Unit	Rates	Amount
		Surface dressing of the ground in								
1	1.2	and in-equalities not exceeding 15 1.5 m lift and lead upto 50m (at le								
		Plot area	1	5.00	4.00		20.00		7.20	144.00
		Exervation for all types and sizes	of foundation		L	Total	20	sqm.	1.20	144.00
2	1.1.1	Excavation for all types and sizes drains or for any other purpose in upto 1.5 m lift and lead upto 50m excavated area), including dressin	cluding disp (at least 5m	osal of exca away from	avated stuff a the	r				
		For Main Column A	1	T .	T					
		F1	4	1.50	1.50	1.50	13.50			
						Total	13.50	cum.	185.00	2498.00
3	1.6	Extra for every additional lift of 1	.5 m or part	there of Al	l types of se	oil				
		For Main Column A								
		F1	4	1.50	1.50	0.30	2.70		26.50	72.00
						Total	2.70	cum.	26.50	72.00
					1					
4	1.18	Providing and filling in plinth with moorum under floor in layers not consolidating each deposited layer including dressing etc. complete.	exceeding 20	Ocm in dept	h					
_	For Main Column A									
	_	F1	4	1.50	1.50	0.10	0.90			
		Building	1	5.00	4.00	0.30	6.00			
					Tota	l Qty.	6.90	cum.	371.00	2559.90
					L					
5	3.1.3	Providing and laying nominal mix stone aggregate using concrete mix excluding cost of form work. 1:3:6 graded stone aggregate 40 mmnom	ker in all wo 5 (1 cement :	rks upto pli	inth level					
		For Main Column A	<u> </u>	1.40	1.40	0.10	0.79			
		F1	4	1.40 4.80	1.40 3.80	0.10	0.78			
		floor area		4.80	3.80	Total		cum.	2970.00	7746.00
							2.01	ouni	2770.00	1140.00
6	3.2.1	Providing and laying nominal mix using concrete mixer in all works u (1 cement : 1½ coarse sand : 3 g	pto plinth l	evel excludi	ing cost of f	form work.				
		Footing F1/C1	4	1.30	1.30	0.40	2.70			
		for column up to plinth								
		For Main Column A	4	0.30	0.30	1.20	0.43			
		ground beam ,plinth beam								
		size:GB2 (200*300)								
			1	18	0.20	0.30	1.08			
					0.20	TOATAL	4.22	cum.	4163.00	17551.00
									1100.00	
		Column A	4	0.30	0.30	3.00	1.08			- 70
		sitiing around								
		Size -200*200	1	16.50	0.20	0.20	3.30			c
	_	platform	1	16.50	0.60	0.10	0.60			
		chhajja								
		chhajja grill around SLAB BEAM	1	18,00	0.60	0.10	1.08			

8	3.4	size:200*400 Extra for laying PCC/RCC of any g every floor or part thereof in addition	1 grade in sup	18	0.20	0.40 Total	1.44 7.50	CUM	4163.00	31222.50
	3.4	every floor or part thereof in addition	grade in sur							
	3.4	every floor or part thereof in addition	grade in sug							
	3.4	every floor or part thereof in addition		perstructure	above plint	h level for				
8			on to rate fo	or foundatio	n and plinth				07.50	731.25
8		Sa	me quanty				7.50	CUM	97.50	731.25
8										
8		Providing and placing in position re	inforcemer	t for R.C.C	work inclu	iding				
	3.12.1	straightening, cutting, bending, bind	ling etc. co	mplete as po	harmo-Me	chanically	11.72			
		cost of binding wire in foundation a	nd plinth a	all complete	nermo-wie	ciameany				
		Treated (TMT) Bars 100 Kg/c	um of R	c c work			1171.60	KG.	54.50	63852.00
		100 Kg/C		C.C. WORK						
		Providing and fixing formwork incl	uding cente	ring, shutte	ring,					
9	2.1	strutting, staging, propping bracing	etc. compl	ete and incl	uding its					
		in the stall famile								
	2.1.1	Foundations, footings, base of colu	imns, plinti	h beam,Cur	ain wali					
	2.1.1	in any shape and size and all type o	t wall belo	5.20	-	0.40	8.32			
		For Main Column A	4	5.20		0.10				
		for column up to plinth lvl. For Main Column A	4	1.20		1.30	6.24			
									+	
		Plinth beam size:GB2 (200*300)							++	
		5120;0102 (200 500)	1	16.50	-	0.70	11.55		120.00	3629.00
						Total	26.11	sqm.	139.00	3629.00
									+	
_		columns, Pillars, piers and likes-rect	tangulay or	square in s	hape in					
10	2.1.5	size.								
		for column up to		0.00		3.00	10.80			
		For Main Column A	4	0.90	-	Total	10.80	sqm	297.00	3208.00
						TUTAL	10.00	54.15		
			d moundlin	198						
11	2.1.13	Weather shade chhajja, cornices an	Inounan	160.						
		chhajja grill around	1	18.00	0.70	-	12.60			
		SIDE	2	0.60	0.10	-	0.12			
		SIDE				Total	12.72	sqm.	294.00	3740.00
	2.1.8	Beams ,Lintels, Cantilevers & walls	5							
12	2.1.0	sitiing around								
		Sitting at came	1	16.50	-	0.60	9.90			
									-	
		Slab Beam								
		size:200*400	1	18.00	-	1.00	18.00	+		F 0 0 0
						Total	27.90	Sqm	202.00	5636.0
		Suspended floors, roofs, access pla	tform, bal	conies (plai	n surfaces)					
13	2.1.7	and shelves (cast in situ)								
-+		platform	1	16.50	0.70	•	11.55			
						Total	11.55	sqm	. 235.00	2714.
								_		
						1				
		Brick work with modular FLY ASH	l lime brid	cks (Falg bi	ick) confir	ming to IS	1			
14	7.5.5	12894:2002 of class designation 40	in founda	tion and pl	inth in:Cen	nent Morta	r			
		1:6 (1 cement : 6 coarse sand)						_		
		UP TO GD BEAM	1	16.50	0.20	0.20	0.66			1
						Total	0.66	cun	n. 3163.0	0 2088.

3

and the second second

		Brick work with much har TT M A D								
		Brick work with modular FLY ASI 12894:2002 of class designation 40	H lime brid	cks (flag brid	(k) confirm	ing to ISI				
15	7.5.4+7.6	1:6 (1 Cement : 6 Coarse Sand)+ E	In Tounda	tion and plin	in in Ceme					
	10.4.7.0	Plinth Imal for more floor sand)+ E	xtra for br	ICK WORK IN S	superstruct	dation and				
		plinth level for every floor or part t plinth:	neror in ad	ditional to ra	te for four	dation and				
		UP TO Sill LVL.	1	18.00	0.20	0.90	3.24			
		STEP	2	2.00	1.00	0.30	1.20			
		5161	2	2.00	1,00	Total	4.44			
		Deduction								
		Di	1	1.5	0.2	2.4	0.72			
		Column A	4	0.30	0.20	0.90	0.22			
		Column A		0.50	0120	(-)	0.94			
						Total	3.504	cum.	3384.00	11858.00
		Providing and laying damp proof c	ourse (upto	50mm thick	c) with plai	n cement				
16	3.13	concrete 1:2:4 (1 cement : 2 coarse	sand : 4 gr	aded crushe	d stone age	regate				
		20mm nominal size) including form	nwork.				0.07			
		Outer	1	18.00	0.20	0.08	0.27	cum.	4237.00	1144.00
						Total	0.27	cun.	4201.00	
					Comment	mostor 1.4 (	L cement :			
17	11.1.2	Providing and making 6mm thick c	ement plas	ter of mix : I	n Cement	nortai 1.4 (	i comone :			
17	11.1.2	4 fine sand)				· · · · ·	11.65		<b>├</b> ───┤	
		platform	1	16.50	0.70	-	11.55			
		chhajja				· ·	10.72		<b>├</b> ───┤	
		As Per Same Quantity2.1.13					12.72		87.00	2111.00
						Total	24.27	sqm	07.00	2111.00
		Providing and making 12mm thick	cement pla	ster of mix:	in cement	mortar 1:5(1	cement :			
18	11.2.3	5 fine sand)								
		INER WALL	1	18.00		0.90	16.20			
							16.20	sqm.		
		Deduction					2 (0			
		D1	1	1.50	-	2.40	3.60	0.000		
						(-) Tatal	3.60 12.6	sqm.	96.50	1216.00
						Total	12.0	sqm.	30.00	1210100
					la sida	faingla or b	alfbrick			
		Providing and making 15mm thick	cement pla	ster on the r	ough side	or single or i	MIT UTICK			
19	11.3.4	wall of mix In Cement Mortar 1	:5 (1 ceme							
		Outer Wall Front	1	18.00	-	0.90	16.20			
		Grill grooving	1	18.00	-	0.20	3.60			
							19.80			
		Deduction(-)			_					
		DI	1	1.50	-	2.4	3.60			
		Column A	4	0.30	-	0.90	1.08			
						Total	15.12	sqm.	113	1709.00
									_	
		Providing and applying 2mm thick	ready mix	exterior grad	de putty (E	firla wall ca	re, Alltek			
	1 1 1 1 2	Superfine W/R of (NCL), J.K. wal	l putty) on	walls to ma	ke the surf	ace smooth	and even.		04.50	4042.00
20	14.13						51.99	sqm	94.50	4913.00
20	14.15	Same as item total	plaster							
20	14.15	Same as item total	plaster				L			
		Same as item total Wall painting with acrylic luxury e	plaster mulsion (p	lastic) paint	of Require	xd Shade to	give an			
	14.11.1	Same as item total Wall painting with acrylic luxury e even shade. On new work( two or n	plaster mulsion (p nore coats)		of Require	xd Shade to			62.60	4025.00
		Same as item total	plaster mulsion (p nore coats)		of Require	xd Shade to	give an 36.87	sqm.	52.50	1936.00
		Same as item total Wall painting with acrylic luxury e even shade. On new work( two or r Same as item C	plaster mulsion (p nore coats) Celling & in	nner			36.87		52.50	1936.00
		Same as item total Wall painting with acrylic luxury e even shade. On new work( two or n Same as item C Painting exterior surface with ACR	plaster mulsion (p nore coats) Celling & in	nner MOTH exte	rior paints	of required	<b>36.87</b> shades as		52.50	1936.00
21		Same as item total Wall painting with acrylic luxury e even shade. On new work( two or r Same as item C Painting exterior surface with ACR per manufacture specification to gi	plaster mulsion (p nore coats) Celling & ir CyLIC SM ve protecti	nner MOTH exte	rior paints	of required	<b>36.87</b> shades as		52.50	1936.00
21	14.11.1	Same as item total Wall painting with acrylic luxury e even shade. On new work( two or n Same as item C Painting exterior surface with ACR per manufacture specification to gi washing of surface etc. complete w	plaster mulsion (p nore coats) Celling & ir SYLIC SM ve protectivith	MOTH exte	rior paints rative finis	of required	36.87 shades as cleaning		52.50	1936.00
20 21 22	14.11.1	Same as item total Wall painting with acrylic luxury e even shade. On new work( two or r Same as item C Painting exterior surface with ACR per manufacture specification to gi washing of surface etc. complete w on new work (two or more coats ap	plaster mulsion (p nore coats) Celling & in Celling & in	MOTH externed by and decor	rior paints rative finis	of required	36.87 shades as cleaning		52.50	1936.00
21	14.11.1	Same as item total Wall painting with acrylic luxury e even shade. On new work( two or r Same as item C Painting exterior surface with ACR per manufacture specification to gi washing of surface etc. complete w on new work (two or more coats ap coat of exterior primer applied @ 2	plaster mulsion (p nore coats) Celling & in Celling & in	MOTH externed MOTH externed we and decor 43 ltr/10 sq sqm)	rior paints rative finis	of required	36.87 shades as cleaning priming			k -
21	14.11.1	Same as item total Wall painting with acrylic luxury e even shade. On new work( two or n Same as item C Painting exterior surface with ACR per manufacture specification to gi washing of surface etc. complete w	plaster mulsion (p nore coats) Celling & in Celling & in	MOTH externed MOTH externed we and decor 43 ltr/10 sq sqm)	rior paints rative finis	of required	36.87 shades as cleaning		52.50	1936.00 847.00

		Applying a coat of hot bitumen Ve	C 10 minu	0171.1						
23	3.15	course after cleaning the surface	d-10 using	w I. /kg/ so	Im on damp	proof				
		course after cleaning the surface v lightly soaked in kerosene oil.	vitri brushes	and finally	with a picc	e of cloth				
		Outer								
		Outer	1	18	0.20	-	3.60			
						Total	3.6	sqm.	93.5	337.00
		Making 50mm thick plinth protect	ion of plain	cement cor	crete 1:3.6	(1 cement :				
24	3.16	3 coarse sand : 6 graded crushed s	tone aggreg	ate 20mm r	ominal size	) over				
	0.10	75mm bed of dry brick ballast 40r	nm nominal	size well ra	ammed and					
		consolidated and grouted with sand	d including	finishing th	e top smoot	h.				
		Outer		18		1.50	18.00			
				10		Total	18.00	sqm	273.00	4914.00
					I	100	10.00	- oqn		
			1	<b>T</b>						
		Devide 16 into in a								
25	1	Providing and fixing M.S. grill of	approved p	attern made	OI M.S. 11	its or squar	e of round			
25	9.15	bars welded to steel frame of wind	ows etc. inc	luding appl	ying a prim	ing of red o	oxide zinc			
		chromate primer.	<u>γ</u>	T		1.60	22.06			
	-	MS grill (Column deduction)	1	15.30	· ·	1.50	22.95			
							22.95	sqm.		20082.00
						20 kg /sqr	459	KG.	67.5	30983.00
									-	
		Providing and fixing chicken mesh	weighting I	not less than	1 250 gms/ s	sqm as per	S:			
1 20	11.41	specification in the required width	with 40mm	long steel r	ails on vert	ical and hor	izontal			
26	11.41	surface near R.C.C. and brick wall	ls junctions	including se	caffolding a	nd all lead a	and lifts			
		etc. complete before plastering upt								
		200 mm th. wall	1	16.00	-	1.00	16.00			
<u> </u>						Total	16.00	sqm	86.00	1376.00
<u> </u>										
		15mm thick Marble stone tile floor	ing over 19	mm (Augro	(a) thick ha	<b>CA</b>				
		of cement mortar 1:4 (1 cement : 4								
27	12.4	of cement mortar 1.4 (1 cement . 4	Coarse sam	u) laiu aliu j						
		grey cement slurry including grindi			ng etc.					
		complete. (Area of tile should be 0.	. 18 sqm and	above)					<del> </del>	
	12.40.5	Udaipur green marble								
		PLATFORMS	1	16.50	0.70		11.55			
			2	2.00	1.00		4.00			
		step (tread)	2	4.00	0.15		1.20		+	
		riser	2	4.00	0.15					
						Total		eam	951	14254 00
						Total	16.75	sqm	851	14254.00
							16.75	sqm	851	14254.00
		Providing and laying vitrified floor	tiles with d	ouble charg	;e/ multi cha	arge printin	<b>16.75</b> g with	sqm	851	14254.00
		water absorption less than 0.5% an	d conformi	ng to IS: 15	5622 of app	arge printin proved make	16.75 g with e in all	sqm	851	14254.00
28	12.13.1	water absorption less than 0.5% an colours and shades and size mention	d conformined below (	ng to IS : 1: +/- 10mm),	5622 of app laid on 201	arge printin roved make mm thick ce	16.75 g with e in all ement	sqm	851	14254.00
28	12.13.1	water absorption less than 0.5% an colours and shades and size mention	d conformined below (	ng to IS : 1: +/- 10mm),	5622 of app laid on 201	arge printin roved make mm thick ce	16.75 g with e in all ement	sqm	851	14254.00
28	12.13.1	water absorption less than 0.5% an colours and shades and size mention mortar 1:4 (1 cement : 4 coarse san	d conformii ned below ( d) including	ng to IS : 15 +/- 10mm), g grouting t	5622 of app laid on 201	arge printin roved make mm thick ce	16.75 g with e in all ement	sqm	851	14254.00
28	12.13.1	water absorption less than 0.5% an colours and shades and size mention mortar 1:4 (1 cement : 4 coarse san matching pigments etc. complete: (4	d conformii ned below ( d) including	ng to IS : 1: +/- 10mm), g grouting t 00mm)	5622 of app , laid on 201 he joints wi	arge printin proved make mm thick ce th white ce	16.75 g with e in all ement	sqm	851	14254.00
28	12.13.1	water absorption less than 0.5% an colours and shades and size mention mortar 1:4 (1 cement : 4 coarse san	d conformii ned below ( d) including	ng to IS : 15 +/- 10mm), g grouting t	5622 of app , laid on 201 he joints wi	arge printin proved make mm thick ce th white ce	16.75 g with e in all ement ment and	sqm sqm.	851	14254.00
28	12.13.1	water absorption less than 0.5% an colours and shades and size mention mortar 1:4 (1 cement : 4 coarse san matching pigments etc. complete: (4	d conformii ned below ( d) including	ng to IS : 1: +/- 10mm), g grouting t 00mm)	5622 of app , laid on 201 he joints wi	arge printin proved make mm thick ce th white ce	16.75 g with e in all ement ment and 20			
28	12.13.1	water absorption less than 0.5% an colours and shades and size mention mortar 1:4 (1 cement : 4 coarse san matching pigments etc. complete: (5 ROOM	d conformii ned below ( d) including Size 600x6	ng to IS : 13 +/- 10mm), g grouting t 00mm) 5.00	5622 of app laid on 20 he joints wi	arge printin roved make nm thick ce th white ce Total	16.75 g with e in all ement ment and 20 20			
		water absorption less than 0.5% an colours and shades and size mention mortar 1:4 (1 cement : 4 coarse san matching pigments etc. complete: (\$ ROOM Painting on new work ( two or more	d conformii ned below ( d) including Size 600x6	ng to IS : 13 +/- 10mm), g grouting t 00mm) 5.00	5622 of app laid on 20 he joints wi	arge printin roved make nm thick ce th white ce Total	16.75 g with e in all ement ment and 20 20			
28	12.13.1	water absorption less than 0.5% an colours and shades and size mention mortar 1:4 (1 cement : 4 coarse san matching pigments etc. complete: (5 ROOM	d conformin ned below ( d) including Size 600x6 1 e coats ) to	ng to IS : 1 +/- 10mm), g grouting t 00mm) 5.00 give an eve	5622 of app laid on 20 he joints wi	arge printin roved make nm thick co th white ce <b>Total</b> h premium	16.75 g with e in all ement ment and 20 20 synthetic			
		water absorption less than 0.5% an colours and shades and size mention mortar 1:4 (1 cement : 4 coarse san matching pigments etc. complete: (\$ ROOM Painting on new work ( two or more	d conformii ned below ( d) including Size 600x6	ng to IS : 13 +/- 10mm), g grouting t 00mm) 5.00	5622 of app laid on 20 he joints wi	arge printin roved make nm thick ce th white ce Total	16.75 g with e in all ement ment and 20 20 synthetic 22.95			
		water absorption less than 0.5% an colours and shades and size mention mortar 1:4 (1 cement : 4 coarse san matching pigments etc. complete: (\$ ROOM Painting on new work ( two or more enamel panits.	d conformin ned below ( d) including Size 600x6 1 e coats ) to	ng to IS : 1 +/- 10mm), g grouting t 00mm) 5.00 give an eve	5622 of app laid on 20 he joints wi	arge printin roved make nm thick co th white ce <b>Total</b> h premium	16.75           g with           e in all           ement           ment and           20           20           synthetic           22.95           3.60			
		water absorption less than 0.5% an colours and shades and size mention mortar 1:4 (1 cement : 4 coarse san matching pigments etc. complete. (5 ROOM Painting on new work ( two or more enamel panits. grill	d conformin ned below ( d) including Size 600x6 1 e coats ) to	ng to IS : 15 +/- 10mm), g grouting t 00mm) 5.00 give an eve 15.30	5622 of app laid on 20 he joints wi	arge printin roved make nm thick co th white ce <b>Total</b> h premium	16.75 g with e in all ement ment and 20 20 synthetic 22.95			
		water absorption less than 0.5% an colours and shades and size mention mortar 1:4 (1 cement : 4 coarse san matching pigments etc. complete. (5 ROOM Painting on new work ( two or more enamel panits. grill	d conformin ned below ( d) including Size 600x6 1 e coats ) to	ng to IS : 15 +/- 10mm), g grouting t 00mm) 5.00 give an eve 15.30	5622 of app laid on 20 he joints wi	arge printin roved make nm thick co th white ce <b>Total</b> h premium 1.50 2.40	16.75           g with           e in all           ement           ment and           20           20           synthetic           22.95           3.60	sqm.	1151	23020.00
		water absorption less than 0.5% an colours and shades and size mention mortar 1:4 (1 cement : 4 coarse san matching pigments etc. complete. (5 ROOM Painting on new work ( two or more enamel panits. grill	d conformin ned below ( d) including Size 600x6 1 e coats ) to	ng to IS : 15 +/- 10mm), g grouting t 00mm) 5.00 give an eve 15.30	5622 of app laid on 20 he joints wi	arge printin roved make nm thick co th white ce <b>Total</b> h premium 1.50 2.40	16.75           g with           e in all           ement           ment and           20           20           synthetic           22.95           3.60	sqm.	1151	23020.00
		water absorption less than 0.5% an colours and shades and size mention mortar 1:4 (1 cement : 4 coarse san matching pigments etc. complete. (s ROOM Painting on new work ( two or more enamel panits. grill D1	d conformin ned below ( d) including Size 600x6 1 e coats ) to	ng to IS : 15 +/- 10mm), g grouting t 00mm) 5.00 give an eve 15.30 1.50	5622 of app laid on 201 he joints wi 4.00	arge printin roved make nm thick ce <b>Total</b> h premium 1.50 2.40 <b>Total</b>	16.75           g with           e in all           ement           ment and           20           20           synthetic           22.95           3.60	sqm.	1151	23020.00
		water absorption less than 0.5% an colours and shades and size mention mortar 1:4 (1 cement : 4 coarse san matching pigments etc. complete. (5 ROOM Painting on new work ( two or more enamel panits. grill D1 Providing and fixing in position coll	d conformin ned below ( d) including SIze 600x6 1 e coats ) to 1 1 apsible stee	ng to IS : 12 +/- 10mm), g grouting t 00mm) 5.00 give an eve 15.30 1.50 el shutters v	5622 of app laid on 201 he joints wi 4.00 n shade wit	arge printin roved make nm thick ce th white ce <b>Total</b> h premium 1.50 2.40 <b>Total</b>	16.75           g with           e in all           ement           ment and           20           20           synthetic           22.95           3.60	sqm.	1151	23020.00
	14.22.2	water absorption less than 0.5% an colours and shades and size mention mortar 1:4 (1 cement : 4 coarse san matching pigments etc. complete. (5 ROOM Painting on new work ( two or more enamel panits. grill D1 Providing and fixing in position coll channels 20x10x2mm and braced w	d conformin ned below ( d) including SIze 600x6 1 e coats ) to 1 1 apsible stee ith flat iron	ng to IS : 12 +/- 10mm), g grouting t 00mm) 5.00 give an eve 15.30 1.50 el shutters va diagonals	5622 of app laid on 200 he joints wi 4.00 n shade wit	arge printin roved make nm thick ce th white ce <b>Total</b> h premium <u>1.50</u> 2.40 <b>Total</b> I ze	16.75           g with           e in all           ement           ment and           20           20           synthetic           22.95           3.60	sqm.	1151	23020.00
	9.11	water absorption less than 0.5% an colours and shades and size mention mortar 1:4 (1 cement : 4 coarse san matching pigments etc. complete. (5 ROOM Painting on new work ( two or more enamel panits. grill D1 Providing and fixing in position coll channels 20x10x2mm and braced w with top and bottom rails of T-iron	d conformin ned below ( d) including Size 600x6 1 e coats ) to 1 1 apsible stee rith flat iron 40x40x6mi	ng to IS : 12 +/- 10mm), g grouting t 00mm) 5.00 give an eve 15.30 1.50 el shutters v a diagonals n with 38m	5622 of app laid on 200 he joints wi 4.00 n shade wit with vertica 20x5mm si um steel pul	arge printin roved make nm thick ce th white ce <b>Total</b> h premium <u>1.50</u> 2.40 <b>Total</b> I ze	16.75           g with           e in all           ement           ment and           20           20           synthetic           22.95           3.60	sqm.	1151	23020.00
29	9.11	water absorption less than 0.5% an colours and shades and size mention mortar 1:4 (1 cement : 4 coarse san matching pigments etc. complete. (5 ROOM Painting on new work ( two or more enamel panits. grill D1 Providing and fixing in position coll channels 20x10x2mm and braced w with top and bottom rails of T-iron complete with bolts, nuts, locking an	d conformin ned below ( d) including Size 600x6 1 e coats ) to 1 1 apsible stee rith flat iron 40x40x6mi rrangement	ng to IS : 12 +/- 10mm), g grouting t 00mm) 5.00 give an eve 15.30 1.50 el shutters v a diagonals n with 38m stoppers, h	5622 of app laid on 200 he joints wi 4.00 n shade wit with vertica 20x5mm si um steel pul tandles	arge printin roved make nm thick ce th white ce <b>Total</b> h premium <u>1.50</u> 2.40 <b>Total</b> I ze	16.75           g with           e in all           ement           ment and           20           20           synthetic           22.95           3.60	sqm.	1151	23020.00
29	9.11	water absorption less than 0.5% an colours and shades and size mention mortar 1:4 (1 cement : 4 coarse san matching pigments etc. complete. (5 ROOM Painting on new work ( two or more enamel panits. grill D1 Providing and fixing in position coll channels 20x10x2mm and braced w with top and bottom rails of T-iron complete with bolts, nuts, locking an	d conformin ned below ( d) including Size 600x6 1 e coats ) to 1 1 apsible stee rith flat iron 40x40x6mi rrangement	ng to IS : 12 +/- 10mm), g grouting t 00mm) 5.00 give an eve 15.30 1.50 el shutters v a diagonals n with 38m stoppers, h	5622 of app laid on 200 he joints wi 4.00 n shade wit with vertica 20x5mm si um steel pul tandles	arge printin roved make nm thick ce th white ce <b>Total</b> h premium <u>1.50</u> 2.40 <b>Total</b> I ze	16.75           g with           e in all           ement           ment and           20           20           synthetic           22.95           3.60	sqm.	1151	23020.00
29	9.11	water absorption less than 0.5% an colours and shades and size mention mortar 1:4 (1 cement : 4 coarse san matching pigments etc. complete: (5 ROOM Painting on new work ( two or more enamel panits. grill D1 Providing and fixing in position coll channels 20x10x2mm and braced w with top and bottom rails of T-iron a complete with bolts, nuts, locking an including applying a priming coat of	d conformin ned below ( d) including Size 600x6 1 e coats ) to 1 1 apsible stee rith flat iron 40x40x6mi rrangement	ng to IS : 12 +/- 10mm), g grouting t 00mm) 5.00 give an eve 15.30 1.50 cl shutters v a diagonals n with 38m stoppers, h zine chrom	5622 of app laid on 200 he joints wi 4.00 n shade wit with vertica 20x5mm si um steel pul tandles	arge printin roved make nm thick ce th white ce <b>Total</b> h premium <u>1.50</u> 2.40 <b>Total</b> I ze	16.75           g with           e in all           ement           ment and           20           20           synthetic           22.95           3.60	sqm.	1151	23020.00
29	9.11	water absorption less than 0.5% an colours and shades and size mention mortar 1:4 (1 cement : 4 coarse san matching pigments etc. complete. (5 ROOM Painting on new work ( two or more enamel panits. grill D1 Providing and fixing in position coll channels 20x10x2mm and braced w with top and bottom rails of T-iron complete with bolts, nuts, locking an	d conformin ned below ( d) including Size 600x6 1 2 2 coats ) to 1 1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ng to IS : 12 +/- 10mm), g grouting t 00mm) 5.00 give an eve 15.30 1.50 el shutters v a diagonals n with 38m stoppers, h	5622 of app laid on 200 he joints wi 4.00 n shade wit with vertica 20x5mm si um steel pul tandles	arge printin proved make nm thick er th white ce Total h premium 1.50 2.40 Total l ze leys	16.75 g with e in all ment and 20 20 20 synthetic 22.95 3.60 26.55	sqm.	1151	23020.00

31	9.3	Steel work in tubular (round, squar	e or rectar	mular bollo	w tuber etc				T	
	9.3.1	Electric resistance or induction but	t welded tu	ibes Grade-	250	,				
		MAIN TRUSS TOP & BOTTOM	2	12.60	1	11.52	290.30			
		SIDE	2	4.20	1	11.52	96.77			
		50X50X32(VERTICAL) top	7	5.20		4.93	179.45			
		50X50X32 bottom	7	5.20		4.93	179.45			
							745.98			
		EXTA FOR CONNECTION 20%	30%				223.79			
							969.77	88.50	Per kg	85824.54
		Providing corrugated G.I. sheet roo				_				
32	10.1	fixed with galvanized iron, J or L h bitumen and G.I. limpet washers or white lead including painting with p sheets complete excluding the cost coating not less than 272 gms/sgm)	with G.I. orimer and of purlins r	limpet wash paint on ov	ers filled wi erlapping of	th				
	10.1.1	1.00 mm thick sheet (weight 8.60 kg/m2)								
			1	5.20	6.20		32.24	964.00	Per Sqm	31079.36
33	10.5	Providing ridges or hips of 60cm ov washers J or L hooks, bolts and nut bitumen washers complete.	verall width s 8mm G.I	1 n in plain G. . limpet and	I. sheet fixe	d with galv	anized			
	10.5.1	1.00 mm thick sheet with zinc coating		than 275gm	1/sqm		5.20	506.00	Per Sqm	3099.20
			1	5.20	1.00		5.20		Total	381248.75
								1 a Alexandron and		

SUB ENGINEER Municipal Corporation, KORBA (Chhattisgarh)

Assistant Engineer, Municipal Corporation, KORBA (Chhattingarh)

		MUNICIPAL CORPORATI	ION			
	DETAIL ES	KORBA (C.G)	JUVENILE	CORRECTIO	ON CENTER AT -	KORBA
		External or Internal Electri	ical work			
SI.No.	SOR No.	ROAD LIGHTING	unit	Qty	Rate	Amount
1	19.8	Description 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 ENS grade, and as per IS 2062 & BS EN: 10025. (designed for wind speed upto 180km/hr, IS: 875		500		
	19.8.1	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
2	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.				
	21.9.3	Single Over Hang 1.50 metre Long	Each	25.00	1191.00	29775.00
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.				
	19.11.7	9 metre high	Each	25.00	985	24625.0
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	375	97	36375.0
						00070

	19.12	Designing and providing suitable RCC foundation in	וי			
		Cement Concrete 1:2:4 (1 cement: 2 coarse sand: 4	1			
		graded stone aggregate 20 mm nominal size) for 3	3			
		mere to 12 metre high GI octagonal pole including	5			
5		steel reinforcement form work, embeding 2 nos	5			
		50mm dia PVC pipe for cable entry in each				
		foundation, excavation disposal of surplus soil and	1			
			cum	256.00	5220	1336320.00
		9 metre pole (82x.8x.8x.8) at Every 20 mtr				
	14.2	Supplying and laying HDPE pipe of 4kg/Sqcm in				
		around below road nath etc at a depth not less them	1			
		to an and unto 90 cm including excavation,	1			
6		dismonthing of road if required and remining the				
		trench with excavated material, ramining and				
		making the surface good etc. as per specification.				77500.00
			Metre	625	124	83000.00
	14.2.1	63 mm outer dia	Metre	125.00	664.00	85000.00
	14.26	160 mm outer dia				
	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,				
7		dismantling of road if required and refilling the				
		trench with excavated material, ramming and				
		making the surface good etc. as per specification.			070.00	87900.00
		100 mm internal dia	Metre	100	879.00	2957.50
	14.3.3	150 mm internal dia	Metre	2.50	1183.00	2557.50
	14.3.4	Supplying and laying following sizes one number				
1	15.1	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				
8		cm and upto 90 cm including excavtion, sand				
l °		cm and upto 90 cm including excerticity of the			2	
		cushioning, protective covering and refilling the				
		trench etc as per specification, IS: 1554 (1988, Part 1)				
		/ IS: 7098 (1988, Part 1).				32100.00
	15.1.24	4 x 25 sq. mm.	Metre	100	321	52100.00
	15.23	Supplying and making end termination with brass				
		compression gland and aluminum lugs for following				
9		size armoured aluminum conductor power cable of				
-		1.1 KV grade as per specification.				
			-	400.00	104.00	10400.00
	15.23.25		Each	100.00	104.00	10400.00
	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				
10		arrangement and watering pipe etc. with charcoal				
		and salt as per specification and IS Code 3043:				
			Set	3.00	3243.00	9729.00
	12.2	Earthing with copper earth plate 600 mm X 600 mm		5.00		2.22.00
	12.3					
		X 3 mm thick including accessories, and providing	7 <sup>m</sup> - Mar			
11		masonry enclosure with cover plate having locking				
		arrangement and watering pipe, with charcoal and				
		salt as per specification and IS Code 3043: 1987(R				
5.1.1.1		2016)	Set	3.00	6209.00	18627.00

	12.12	Supplying and laving 6 SWG C L	·	rr		
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	15.00	36.00	540.00
	7.19	Fabrication, supply, installation, testing and		10100		
		commissioning of cubicle type compartmentalized				
		wall/ floor mounted power cum control panel board				
		of specified size and following depth made out of not				
13		less than 2 mm thick CRCA MS powder coated sheet				
		with suitable size compartments for bus bars,				
		switchgears and necessary cutouts for voltmeters,				
		ammeters etc as per specifications including powder				
	7.19.1	Upto 300 mm deep	sam	9.00	6818.00	61362.00
	7.20	Supply, installation, testing and commissioning of 4				
	1.20	pole (3 phase + neutral) aluminium bus bars in				
		existing cubicle type compartmentalized wall/ floor				
14		mounted panel board along with suitable size and				
		shape insulators, necessary bolts and nuts etc				
		complete as per specification			717.00	3585.00
	7.20.1	100 amp (20x3mm)	Metre	5.00	/17.00	5365.00
	7.15	Providing and making interconnection in cubical				
		panel between BBC and switchgears with following size FRLS PVC insulated aluminium conductor wire				
15		lead of length upto 50cm including providing				
		aluminium thimbles on both ends as per				
		specification (To be measured separately for each				
		phace/ neutral)				105.00
	7.15.2	16 sqmm (63 amp)	Each	3.00	55.00	165.00
	9.1	Providing and fixing following rating and breaking				
1.0		capacity MCCB in existing cubicle panel board				
16		including drilling holes in cubicle panel, making connections, etc. as per specification, IS/ IEC: 60947-				
		connections, etc. as per specification, is/ iEC. $00347$ -				
	9.1.4	3 pole MCCB, 100A, Adjustable Thermal - Magnetic				
		Release, 25KA	Each	3.00	3734.00	11202.00
	9.11	Supplying and fixing SP MCB, 240 volts, 'C' curve,				
17		suitable for inductive load in the existing MCB DB				
		complete with connections, testing and				
-	0.14.2	commissioning etc. as per specification.	Each	25.00	148.00	3700.00
	9.11.2	6 amps to 32 amps Supplying and fixing DP MCB, 240 volts, 'C' curve,		23.00	140.00	5700.00
	9.12	suitable for lighting and other loads in the existing				9
18		MCB DB complete with connections, testing and				
10	_	commissioning etc. as per specification.				- 10
	÷	commissioning etc. as per specification.				
	9.12.2	6 amps to 32 amps	Each	3.00	411.00	1233.00
	9.16	Supplying and fixing TP&N MCB, 440 volts, 'C' curve,				
		suitable for lighting and other loads in the existing				
19		MCB DB complete with connections, testing and				
а "	1. 1.	commissioning etc. as per specification.				
	0.46.5	<b>(2)</b>	Fach	E 00	1216.00	65.60.00
- T	9.16.5	63 amps	Each	5.00	1316.00	6580.00

	10.17	Providing and fixing penal mounting 230 volt LED				
	10.17	type indicating lamp in existing cubical parter				202.00
20		have beeting and commissioning	ach	3.00	94.00	282.00
	1		ach			
	10.18	Desiding and fixing nenal mounting following rating				
	10.10	landar him ammeter of size 100x100 (103) in called and				
21		cubical panel including, connections, testing and	1		-	
		commissioning etc. as per specification.				1116.00
		commissioning etcilery	Each	3.00	372.00	1110.00
	10.18.2					
	10.20	In the and fixing penal mounting 0-300 Volt				
		voltmeter of size 100x100 (NS) in existing cable				
22		nanel including, connections, testing one				1191.00
		(Franking)	Each	3.00	397.00	1151.00
	10.20.1					
	10.21	Analog type Providing and fixing penal mounting selector switch				
		lin existing cubical panel including, connections,				
23		testing and commissioning etc. as per specification.				567.00
			Each	3.00	189.00	621.00
	10.21.1	For voltmeter	Each	3.00	207.00	021.00
	10.21.2	For ammeter				
		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				
24	-	protection on nole bracket, including connection,				
		learthing Senarate housing for driver etc complete as				<u> </u>
	1.1	per specification and P.F. should be greater than 0.9.				
		LED chip efficacy ratio $\geq$ 120 lumens /watt.				
	6.28		25.00	Each	6844.00	171100.00
	6.28.9					
		WAITING SHED AND PARKING		an per se al an		
H-Blisch	146126.280	WIRING IN CONCEALED PVC conduit				
		Wiring for light/ fan/ exhaust fan / call bell point with	1			
1	1.1	Insulated stranded copper	4			
		lanductor wire for phase neutral and earth in concealed	1			
		IFRIE BUC conduit (heavy duty, thickness of pipe should				~
25		Iba 2 mm) with 5/6 amp piano type switch, phenolic				
		laminated sheet, suitable size M.S. box etc as pe specification and IS: 694 (2010), IS: 9537 (2000 Part 5)	1			
		specification and 15, 694 (2010), 15, 5567 (2000 F are of				
I	1.1.1	Short Point	6	Point	240.00	1440.00
	1.1.2	Medium Point	8	Point	376.00	3008.00
<u> </u>	1.1.2					
L	4	METAL, WOODEN AND PVC BOXES		1		
<u> </u>	4.1	Supplying and fixing of metal box of following size	s			
		(nominal size) in recess with suitable size phenoli	ic	1		
26		laminated sheet cover in front including painting etc a	IS			
		per specification.			452.00	
		200 mm X 150 mm X 60 mm deep	1	Each	158.00	158.00
	5	SWITCHES & ACCESSORIES				
	5.1	Supplying and fixing following piano type switch, socke	st,			
27		other accessories on the existing switch box/ cov	er			
L	1	including connections etc. as per specification.		1	en linge	191 . 1

	5.1.15	Batten/ angle holder	4	Each	38.00	152.00 84.00
	5.1.5	3 pin 5/6 amp socket outlet	2	Each	42.00	146.00
	5.1.6	6 pin 15/16 amp socket outlet	2	Each	73.00	64.00
	5.1.13	Ceiling rose 3 pin 5 amps	2	Each	32.00	04.00
	5.11	Providing and fixing fan clamp made of 3mm thick MS flat on existing iron trusses/ girder including necessary bolts and nuts etc. as per specification.	2	Each	40.00	80.00
28	6	FANS I UMINARIES AND LAMPS				
	6.1'	Supplying, installation, testing and commissioning of following sizes ceiling fan including wiring the down rods of standard length up to 30 cm with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, earthing etc. complete as required. P.F. should be greater than 0.9, with BEE Star rating from 3 star and above, IS: 374:2019 including all amendments.	2	Each	1697.00	3394.00
	6.1.3	1200 mm sweep				
29	6.17	Supplying, fixing, testing and commissioning of following LED lamps with inbuilt electronic driver heat sink and all other accessories in existing holder/ luminaries as per specification and P.F. should be greater than 0.9. LED				429.00
		chip efficacy ratio ≥ 100 lumens /watt.	3	Each	143.00	429.00
	6.17.4	9 Watt				
30	6.19	Supplying, Installation, testing and commissioning of following LED tube light fitting including batten with Electronic Driver Heat sink Capacitor complete with all other accessories on surface/ in false ceiling, including connection, earthing etc complete as per specification and IP20, P.F. should be greater than 0.9. LED chip				
		efficacy ratio ≥ 100 lumens /watt.	11.00	Each	351.00	3861.00
	6.19.2	10 watt {2 feet}	11.00			
	9	MCCB, MCB, MCB DB				
31	9.2	Supplying and fixing on surface/ recess following way, 240 volts SP&N MCB distribution board of sheet steel phosphatized and powder painted complete with tinned copper busbar, neutral busbar, earth bar, din bar, detachable gland plate, including interconnections, earthing etc. as per specification. (But without				2268.0
		MCB/RCCB/Isolator) 4 way, Single door	4	Each	567.00	2268.0
32	9.2.1 15.1'	4 way, Single door 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 excavtion, sand cushioning, protective covering and refilling the trench etc as per specification, IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1).			249.00	12450.0
	15.1.1	(1988, Part 1) / 13: 7050 (1005) - 14 / 2 2 x 4 sq. mm	50			
	15.1.1	2 x 6 sq. mm	50	Metre	252.00	12600.0
	13.1.2				Total 1866	2402036.

301 SUB ENGINEER Municipal Corporation, KORBA (Chhattisgarh)

Assistant e Agiager, Municipal Corporation, KORBA (Chhattisgarh)