

कार्यालय, नगर पालिक निगम, कोरबा (छत्तीसगढ़)

फा.क्र. 179/ निर्माण/2023

सिस्टम टेंडर नं. 144945

कोरबा दिनांक 19.08.2023

ई-निविदा आमंत्रण सूचना

कार्यालय नगर पालिक निगम, कोरबा द्वारा लोक निर्माण विभाग एकीकृत पंजीयन प्रणाली अंतर्गत सक्षम श्रेणी में पंजीकृत ठेकेदारों से प्रमुख अभियंता लोक निर्माण विभाग, रायपुर द्वारा भवन कार्य हेतु दिनांक 01.01.2015 एवं विद्युत हेतु दिनांक 01.06.2020 से प्रभावशील दर अनुसूची पर (निविदा खुलने के दिनांक तक समस्त संशोधनों के साथ शेड्यूल अनुसार प्रतिशत दर पर ई-प्रोक्चुरमेंट (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 क्र 13 परिवहन नगर में स्थित सतनाम भवन के समीप सामुदायिक भवन का निर्माण कार्य	100.00	75000.00	6 माह	3000.00	वर्ग डी एवं प्रवर श्रेणी	12.09.2023 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 (पाटर्नशीप 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 रायपुर से पंजीकरण का कोड, निविदा प्रतिभागी शुल्क का डिमाण्ड ड्राफ्ट एवं धरोहर राशि FDR/TDR, शपथपत्र का स्कैन 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 कोसाबाड़ी 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 सिक्क्यूरिटी 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।
- ईट से संबंधित निर्माण कार्यों में फ्लाइंग एश 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 कंडिका 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 रवीकृत करने अथवा अरवीकृत 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।

कार्यपालक 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		19.08.2023	15.00	19.08.2023	15.00	Release Tender
2		Bid Submission	19.08.2023	15.00	11.09.2023	17.30	
3		Physical Document Submission	19.08.2023	17.00	12.09.2023	15.00	
4	Tender Open		12.09.2023	16.00	--	--	


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

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

DETAILED ESTIMATE

of work:- Construction of community bhawan for Satnami community at
Nagar, Nagar palik nigam korba (c.g.)

r SOR: Schedule of rates public works department [PWD BUILDING-01-01-2015]

SOR Ref.	ITEM DESCRIPTION	NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
1.1	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 leveling of								
	column c1	39	2.00	2.00	1.80	280.80			
	c2	11	1.80	1.80	1.50	53.46			
	wall	2	24.00	0.60	0.80	23.04			
		2	8.20	0.60	0.80	7.87			
		8	4.40	0.60	0.80	16.90			
		2	13.40	0.60	0.80	12.86			
		6	4.80	0.60	0.80	13.82			
		2	9.00	0.60	0.80	8.64			
		10	3.80	0.60	0.60	13.68			
		2	2.00	0.60	0.60	1.44			
		4	1.20	0.60	0.60	1.73			
	pipe line drainage	1	50.00	0.60	0.60	18.00			
					Total	452.24	Cum	185.00	83665.14
	Extra for every additional lift of 1.5 m or part thereof. 1.6.1 All types of soils	39	2	2	0.3	46.80	cum	26.50	1240.20
2	2.1 Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels for:								
	1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								
	column c1	39	4	1.80	0.30	84.24			
		39	4	1	0.5	78			
	column below plinth	39	2	0.20	1.80	28.08			
		39	2	0.40	1.80	56.16			
		11	2	0.20	1.80	7.92			
		11	2	0.30	1.80	11.88			
	plinth beam	2	2	24.00	0.30	28.8			
		2	2	8.20	0.30	9.84			
		8	2	4.40	0.30	21.12			
		2	2	13.40	0.30	16.08			
		10	2	3.80	0.30	22.8			
		2	2	2.00	0.30	2.4			
		4	2	1.20	0.30	2.88			
		2	2	5.00	0.30	6			
					Total	376.20	Sqm	139.00	52291.80

5	Columns, Pillars, Piers and likes- rectangular or square in shape								
		39	1.40		2.90	158.34			
		11	1.00		2.90	31.9			
		39	1.40		0.90	49.14			
		11	1.00		0.90	9.9			
					Total	249.28	sqm	297.00	74036.16
7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)								
	slab	1	557.00	1.00		557.00			
	chajja	12	2.40	0.60		17.28			
					Total	574.28	sqm	235.00	134955.80
8	Beams, lintels, cantilevers & walls								
	lintel beam vertical	4	24.00		0.30	28.80			
		4	8.20		0.30	9.84			
		16	4.40		0.30	21.12			
		4	13.40		0.30	16.08			
		20	3.80		0.30	22.80			
		4	2.00		0.30	2.40			
	horizontal	8	1.20		0.30	2.88			
		4	5.00		0.30	6.00			
		24	2.00		0.10	4.80			
		4	0.30		0.35	0.42			
	chajja	4	0.20		0.35	0.28			
		16	24.00		0.35	134.40			
	slab beam vertical	4	8.20		0.35	11.48			
		20	4.40		0.35	30.80			
		12	13.40		0.30	48.24			
		4	3.80		0.35	5.32			
		8	4.80		0.35	13.44			
		4	2.00		0.45	3.60			
	horizontal	2	1.20		0.45	1.08			
		10	5.00		0.45	22.50			
		2	8.20		0.45	7.38			
		10	8.20		0.45	36.90			
					Total	430.56	sqm	202.00	86973.12
15	Stair cases of all types excluding spiral and folded plate type, including risers and landings								
		4	2.45	1.50		14.70			
		44	1.50	0.15		9.90			
		4	7.20	1.50		43.20			
		4	2.40	1.50		14.40			
					Total	82.20	sqm	230.00	18906.00
3	1.18 Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including								
	column c1	39	2.00	2.00	0.15	23.40			
	c2	11	1.80	1.80	0.15	5.35			
	wall	2	24.00	0.60	0.15	4.32			

		2	8.20	0.60	0.15	1.48			
		8	4.40	0.60	0.15	3.17			
		2	13.40	0.60	0.15	2.41			
		10	3.80	0.60	0.15	3.42			
		2	2.00	0.60	0.15	0.36			
		4	1.20	0.60	0.15	0.43			
		6	4.80	0.60	0.15	2.59			
		2	9.00	0.60	0.15	1.62			
		2	5.00	0.60	0.15	0.90			
	pipe line drainage	1	50.00	0.60	0.15	4.50			
	floor	1	24.00	8.20	0.60	118.08			
		2	4.40	6.10	0.60	32.21			
		2	4.50	3.10	0.60	16.74			
		2	4.50	3.80	0.60	20.52			
		2	8.00	1.50	0.60	14.40			
		1	24.00	1.80	0.60	25.92			
		2	8.00	4.40	0.60	42.24			
					Total	324.05	Cum	371.00	120224.03
4	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	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).							
	column c1	39	2.00	2.00	0.10	15.60			
	c2	11	1.80	1.80	0.10	3.56			
	wall	2	24.00	0.60	0.10	2.88			
		2	8.20	0.60	0.10	0.98			
		8	4.40	0.60	0.10	2.11			
		2	13.40	0.60	0.10	1.61			
		10	3.80	0.60	0.10	2.28			
		2	2.00	0.60	0.10	0.24			
		6	4.80	0.60	0.10	1.73			
		2	9.00	0.60	0.10	1.08			
		4	1.20	0.60	0.10	0.29			
		2	5.00	0.60	0.10	0.60			
	pipe line drainage	1	50.00	0.60	0.10	3.00			
	floor	1	24.00	8.20	0.10	19.68			
		2	4.40	6.10	0.10	5.37			
		2	4.50	3.10	0.10	2.79			
		2	4.50	3.80	0.10	3.42			
		2	8.00	1.50	0.10	2.40			
		1	24.00	1.80	0.10	4.32			
		2	8.00	4.40	0.10	7.04			
					Total	80.98	Cum	2970.00	240516.54
5	1.17	Filling from available excavated stuff (Excluding rock) in trenches, plinth,sides of foundation etc. in layers not exceeding 20cm in depthconsolidating each deposited layer by ramming and watering with							
					Total	452.24	Cum	65.00	29395.86

	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								
1	Thermo-Mechanically treated bars	110	262.25			28847.83			
						Total	28847.83	kg	54.50
									1572206.74
7.5	Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:								
3	Cement Mortar 1:5 (1 cement : 5 coarse sand)								
	plinth beam	2	24.00	0.30	0.60	8.64			
		2	8.20	0.30	0.60	2.95			
		8	4.40	0.30	0.60	6.34			
		2	13.40	0.30	0.60	4.82			
		10	3.80	0.30	0.60	6.84			
		2	2.00	0.30	0.60	0.72			
		6	4.80	0.30	0.60	5.18			
		2	9.00	0.30	0.60	3.24			
		4	1.20	0.30	0.60	0.86			
		2	5.00	0.30	0.60	1.80			
						Total	39.60	Cum	3350.00
									132660.00
	super structure 7.5.3+7.6								
		2	24.00	0.20	2.90	27.84			
		2	8.20	0.20	2.90	9.51			
		8	4.40	0.20	2.90	20.42			
		2	13.40	0.20	2.90	15.54			
		10	3.80	0.20	2.90	22.04			
		2	2.00	0.20	2.90	2.32			
		6	4.80	0.20	2.90	16.70			
		2	9.00	0.20	2.90	10.44			
		4	1.20	0.20	2.90	2.78			
		2	5.00	0.20	2.90	5.80			
		1	24.00	0.20	0.90	4.32			
		2	4.00	0.20	0.90	1.44			
		2	4.50	0.20	0.90	1.62			
		2	13.50	0.20	0.90	4.86			
		1	32.00	0.20	0.90	5.76			
		2	9.00	0.20	0.90	3.24			
	mumty	4	5.00	0.20	2.80	11.20			
		4	4.50	0.20	2.80	10.08			
						-2.40			
						Total	173.52	Cum	3471.00
									602287.92
10	7.6 Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:					0.00	Cum	121	
11	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.								

	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
		2	35.00	1.20	0.10	8.40			
		2	19.20	1.20	0.10	4.61			
					Total	13.01	Cum	4073.00	52981.58
2.13	Providing and laying vitrified floor tiles with double charge/ multi charge printing with water absorption less than 0.5% and conforming to IS : 15622 of approved make in all colours and shades and size mentioned below (+/- 10mm), laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete								
	1 Size 600x600mm								
		1	24.30	8.50		206.55			
		2	4.70	6.40		60.16			
		2	4.80	3.40		32.64			
		2	4.80	4.10		39.36			
		2	9.00	4.50		81.00			
		1	24.00	2.00		48.00			
		4	9.50	1.70		64.60			
					Total	532.31	sqm	1151.00	612688.81
	12.14 Extra for providing and laying vitrified floor tiles with 2-5mm groove in between the tiles including grouting the groove with water resistant epoxy compound or with white cement and approved pigments etc. Size 600x600mm								
						532.31	sqm	54.00	28744.74
13	12.7 Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching								
	2 Size above 200x300mm								
		20	3.80		2.10	159.60			
		4	4.50		2.10	37.80			
		4	2.00		2.10	16.80			
		8	1.80		2.10	30.24			
		2	10.20		0.90	18.36			
					Total	262.80	sqm	646.00	169768.80

) Providing and laying ceramic glazed floor tiles conforming to IS : 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching							
	1	Size above 300x300mm	10	1.80	2.00		36.00		
			2	4.80	4.50		43.20		
			1	8.00	6.00		48.00		
						Total	127.20	sqm	728.00
									92601.60
12.45		15 mm thick Table rubbed polished Granite stone slab flooring laid over 20mm (Average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing etc. complete. (Area of slab should be 0.50 sqm and above)							
	1								
		stair	44	1.50	0.30		19.80		
			44	1.50	0.15		9.90		
			4	1.50	1.50		9.00		
			2	3.30	1.65		10.89		
			2	2.00	1.65		6.60		
			16	7.20	0.30		34.56		
		door	12	6.20	0.30		22.32		
			12	1.20	0.30		4.32		
		window	12	7.20	0.30		25.92		
			1	10.20	0.75		7.65		
			2	10.20	0.15		3.06		
			6	1.00	0.60		3.60		
						Total	157.62	sqm	4200.00
						=			662004.00
16	9.15	Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc. including applying a priming coat welded to frame with all necessary fitting complete including applying a priming of red oxide zinc chromate primer.							
			12	120.00			1440.00		
			12	100.00			1200.00		
						Total	2640.00	Kg	67.50
						=			178200.00
18	11.1	Providing and making 6mm thick cement plaster of mix							
	2	In Cement mortar 1:3 (1 cement : 3 fine sand)							
		slab	1	557.00	1.00		557.0		
		stair waist slab	2	7.45	1.50		22.4		
			11	1.50	0.30		5.0		
		landing	4	3.20	1.50		19.2		
			12	4.40	0.60		31.7		

		3	3.00	0.60		5.4			
					Total	640.58	sqm	93.00	59573.94
2	Providing and making 12mm thick cement plaster of mix								
4	In Cement Mortar 1:5 (1 cement : 5 fine sand)								
		1	24.5		4.5	110.25			
		2	4		4.5	36.00			
		2	13.5		4.5	121.50			
		1	32		4.5	144.00			
		1	24.5		1.1	26.95			
		2	4		1.1	8.80			
		2	13.5		1.1	29.70			
		1	32		1.1	35.20			
					Total	512.40	sqm	96.50	49446.60
11.3	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:								
4	In Cement Mortar 1:5 (1 cement : 5 fine sand)								
		4	24.00		3.30	316.80			
		4	8.20		3.30	108.24			
		16	4.40		3.30	232.32			
		4	13.40		3.30	176.88			
		20	3.80		3.30	250.80			
		4	2.00		3.30	26.40			
		12	4.80		3.30	190.08			
		4	9.00		3.30	118.80			
		8	1.20		3.30	31.68			
		4	5.00		3.30	66.00			
		2	24.00		1.10	52.80			
		2	4.00		1.10	8.80			
		2	4.50		1.10	9.90			
		2	13.50		1.10	29.70			
		1	32.00		1.10	35.20			
		2	9.00		1.10	19.80			
					Total	1674.20	sqm	113.00	189184.60
21	11.8 Providing and making 18mm thick cement plaster in two coats with under layer of 12mm thick plaster 1:5 (1 cement : 5 fine sand) and top layer of 6mm thick with cement plaster 1:3 (1 cement : 3 fine sand)								
		1	24.5		4.5	110.25	sqm	167.00	18411.75
14.51	Providing and applying 2mm thick ready mix exterior grade putty (manufactured with cow dung processing) on walls to make the surface smooth aid even..								
						2937.43			
					Total	2937.43	sqm	101.00	296680.43

		Wall painting with premium emulsion (plastic) manufactured with the cow dung processing emulsion paint of required shade to give an even shade				2314.78	sqm	69.00	159719.82
	1	On new work (Two or more coats)							
14.5		Painting exterior surface with SMOOTH exterior emulsion paint manufactured with the cow dung processing to give protective and decorative finish including cleaning washing of surface etc. complete with:							
		On new work (Two or more coats)							
						622.65	sqm	79.00	49189.35
6	8.138	Providing and fixing stainless steel door latch with 12mm rod, 2.5mm thick flap, necessary stainless steel screws etc complete.							
	2	250mm				11.00			
					Total	11.00	nos	85.00	935.00
27	8.139	Providing and fixing stainless steel tower bolts (Barrel type) with necessary stainless steel screws etc complete.							
	3	150 x10mm			Total	35.00	nos	57.50	2012.50
28	8.141	Providing and fixing Stainless steel "D" shape door handles made of 10mm dia rod with necessary stainless steel screws etc complete.							
		8.141.2 150 mm			Total	18.00	nos	49.50	891.00
29	8.58	Providing and fixing bright finished brass butt hinges with brass polished MS screws complete:							
		8.58.1 125x85x5.50 mm (Heavy			Total	33.00	nos	245.00	8085.00
30	8.143	Providing and fixing stainless steel hanging door stopper with necessary stainless steel screws complete.							
	1	Single			Total	18.00	nos	47.00	846.00
35	14.22	Painting on new work (two or more coats) to give an even shade with:							
	2	Premium synthetic enamel paint	18	2.40	2.40	103.68			
			18	1.00	1.20	21.60			
			2	3.00	2.40	14.40			
					Total	139.68	sqm	47.00	6564.96

		Providing and fixing flush door shutters, core of block board construction with frame of first class hard wood and well matched first class Indian teak ply veneering on one face and commercial ply veneering on the other face of the shutter with vertical grains, cross bands and face veneering								
		.14.1 40 mm. thick (single leaf)	14	1.10		2.1	32.34	sqm	2034.00	65779.56
	8.149	Providing and fixing factory made PVC door shutters of specified thickness made of styles and rails of a UPVC hollow section of specified size 59x24 mm and wall thickness 2 mm ± 0.2 mm with inbuilt edging on both sides. The styles and rails mitred and joined at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws.								
	2	8.149.1 24 mm thick door shutters	10	0.80	2.10		16.80			
						Total	16.80	sqm	2399.00	40303.20
16	9.2	Structural steel work riveted or bolted or welded in built-up sections, trusses and frames work upto a height of 5m above plinth level, including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.					3200.00	kg	66.00	211200.00
36	8.167f3	8.167 Providing and fixing factory made uPVC white colour sliding glazed door comprising of uPVC multi-chambered frame with in-built roller track and sash ' .. extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension uPVC extruded glazing beads, uPVC extruded interlock and uPVC extruded Inline								
	9.47.1	Three track three panels sliding door with fly proof S.S wire mesh (Two nos. glazed F. 3 < tone no. wire mesh panels) made of (big series) frame 116 x 45 mm & each 46 x 82	16	1.80		1.80	51.84	sqm	6232.85	323110.94

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

DETAILED ESTIMATE

SANITATION WORK

SOR: Schedule of rates public works department [PWD BUILDING-01-01-2015]

PART - C - SANITATION WORK

18.76	Providing and fixing on wall face UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion								
	1 75 mm dia pipe.	1	80.00			80.00	metre	182.00	14560.00
	2 110 mm dia pipe.	1	110.00			110.00	metre	267.00	29370.00
2	18.1 Providing and fixing water closet squatting pan (Indian type W.C. pan), 100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good					5	each	2899.00	14495.00
	3 White Orissa pattern W.C. pan of size 580x440 mm								
	18.4 Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same					5	each	4415.00	22075.00
3	18.17 Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :					10	each	1605.00	16050.00
	1 Coloured Size 550x450 mm								
6	18.77 Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.								
	1 Tee/ Tee with door/ Bend 45°/ Bend 90°								
	1 75 mm					50.00	each	113.00	5650.00
	2 110 mm					50.00	each	154.00	7700.00
	3 Vent cover								
	1 75 mm					40.00	each	34.00	1360.00
	6 Nahani trap 110x75mm					20.00	each	90.50	1810.00
7	19.4 Providing and fixing Chlorinated								
	1 15 mm nominal outer dia .Pipes.					180.00	metre	110.00	19800.00

3		25 mm nominal outer dia .Pipes.				85.00	metre	199.00	16915.00
4		32 mm nominal outer dia .Pipes.				130.00	metre	271.00	35230.00
13		Providing and fixing 15 mm nominal							
1		Bib cock (250 grams)				40.00	each	185.00	7400.00
19.14		Providing and fixing 15 mm nominal bore C.P. brass fittings of approved							
6		Stop cock (concealed) (600 grams)				20.00	each	494.00	9880.00
4		Pillar Cock (400 grams)				10.00	each	398.00	3980.00
		Long nose bib cock (500 grams)				10.00	each	455.00	4550.00
		Two way bib cock (800 grams)				10.00	each	708.00	7080.00
		Basin mixer pillar tap with spout (1000 grams)				10.00	each	1248.00	12480.00
		Wall mixer with elegant knob (1400 grams)				10.00	each	1787.00	17870.00
		Hand shower set with flexible extension pipe				10.00	each	754.00	7540.00
		Toilet paper holder				10.00	each	248.00	2480.00
		Soap dish plate				10.00	each	163.00	1630.00
		Shower rose (revolving type) (150mm)				10.00	each	269.00	2690.00
		Towel rail (600mm long x 20mm dia)				20.00	each	338.00	6760.00
		cover of WC with flexible connection pipe				10.00	each	577.00	5770.00
10	19.15	Providing and fixing stainless steel drain jali of approved make/quality.				40.00	each	51.00	2040.00
11	19.16	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end):							
	1	25 mm nominal bore				10.00	each	436.00	4360.00
	2	32 mm nominal bore.				10.00	each	510.00	5100.00
12	19.51	Constructing masonry Chamber 60x60x75 cm, inside with modular well burnt clay bricks of 35 kg/ cm ² in cement mortar 1:4 (1 cement : 4 coarse sand) for fire hydrants, with C.I. surface box 350x350 mm top and 165 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement : 5 fine sand:10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3				10.00	each	4356.00	43560.00

13	Providing and fixing white vitreous china urinal basin with waste fitting as per IS : 2556, and other couplings in C.P. brass complete:								
2	Flat back half stall urinal of size 460x380x250mm				6.00	each	1776.00	10656.00	
19.42	Providing and placing on terrace (at all levels) polyethylene water storage tank ISI marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for				2000.00	litre	7.30	14600.00	
TOTAL =								355441.00	

Say Rs.=



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



Sub Engineer
Municipal Corporation
Korba (C.G.)

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

work :- Internal Electrification

OR: Schedule of rates public works department [PWD ELECTRICAL-01-06-2020] PART- B

	ITEM DESCRIPTION	NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
ef.	1.1 Wiring for light/ fan/ exhaust fan / call bell point with 3x1.5 sqmm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) with 5/6 amp piano type switch, phenolic laminated sheet, suitable size M.S. box etc as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)								
1	Short Point	130				130	Point	240.00	31200.00
2	Medium Point	65				65	Point	376.00	24440.00
2	1.3 Extra for providing and fixing light plug point on board in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) point wiring with piano type 3 pin 5/6 amp socket outlet and 5/6 amp switch including cost of phenolic laminated sheet and M.S. box etc. as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)	20				20.00	Point	87.00	1740.00
3	1.13 Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, wire in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)								
4.13.2	3 X 2.5 sq. mm in 20mm conduit	3	165.00			495.00	Metre	111.00	54945.00
	3 X 4 sq. mm in 25mm conduit	3	132.00			396.00	Metre	145.00	57420.00

	Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding. Power Factor not less than 0.9, Service Value (CMM/W) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, including connection, earthing etc. complete as per specification.							
3		32			32	Each	2662.00	85184.00
	Supplying, installation, testing and commissioning of following sizes heavy duty (continuous running) 1400 rpm exhaust fan in existing opening in wall including earthing etc. complete as per specification. P.F. should be greater than 0.9							
	450 mm sweep	10			10	EACH	3976.00	39760.00
5	6.15	Supplying, installation, testing and commissioning of following LED fitting (luminaries) Panel Light in round/ square shape complete with electronic driver heat sink capacitor and all other accessories on surface/ in false ceiling etc. as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio ≥ 100 lumens /watt.						
	8.22.5	12 Watt	80		80.00	Each	588.00	47040.00
	8.22.6	15 Watt	80		80.00	Each	679.00	54320.00
		6 Watt	40		40.00	Each	490.00	19600.00
	6.93	Supplying, installation, testing and commissioning of following LED Rope light complete as per specification and IP65, P.F. should be greater than 0.75			320.00	M	355.00	113600.00
6	5.1	Supplying and fixing following piano type switch, socket, other accessories on the existing switch box/ cover including connections etc. as per specification.						
	5.1.12	Fan regulator Electronic, step type moving all round	40		40.00	Each	130.00	5200.00
	5.1.13	Ceiling rose 3 pin 5 amps	40		40.00	Each	32.00	1280.00
	5.1.15	Batten/ angle holder	60		60.00	Each	38.00	2280.00

Supplying and laying following sizes additional one number, FRLS PVC insulated XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade direct in ground as in the same trench in one tier horizontal formation 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 (1988, Part 1) / IS: 7098 (1988, Part 1).

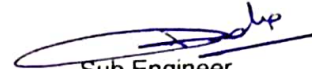
2 x 4 sq. Mm	1	50.00			50.00	Metre	175.00	8750.00
Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including soldering, excavation and refilling the trench etc. as per specification.	1	50.00			50.00	Metre	36.00	1800.00

(b)TOTAL = 608871.50

Total= 9156652.60



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



Sub Engineer
Municipal Corporation
Korba (C.G.)

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

DETAILED ESTIMATE


OF WORK :- CONSTRUCTION OF SEPTIC TANK AND SEWER

Rate of rates public works department [PWD BUILDING-01-01-2015]

DESCRIPTION	NO	L	B	D/H	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								
1 In all types of soil								
	1	8.00	6.00	2.10	100.80			
	1	50.00	1.20	2.10	126.00			
				Total=	226.80	Cum	185.00	41958
2 1.2 Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering,								
	1	8.00	6.00	0.10	4.80			
	1	50.00	1.20	0.10	6.00			
				Total=	10.800	Cum	371.00	4006.8
5 2.1 Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and								
1 Foundations, footings, base of columns and plinth beam in any								
	2	8.00		0.20	3.20			
	2	5.50		0.20	2.20			
				Total=	5.40	Sqm	139.00	750.60
2 Wall of any thickness including attached pilasters, buttresses								
	4	7.00		1.80	50.40			
	8	3.50		1.80	50.40			
	32	1.00		1.80	57.60			
				Total=	158.40	Sqm	228.00	36115.20
7 suspended floor roofs								
	1	7.00	5.50		38.50			
	8	1.20	1.20		11.52			
				Total=	50.02	Sqm	235.00	11754.70
6 3.1 Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at								
3 1:4:8 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm								
	1	8.00	6.00	0.10	4.80			
	1	50.00	1.00	0.10	5.00			

					Total=	9.800	Cum	2659.00	26058.2
	Providing and laying nominal mix reinforced cement concrete with graded stone aggregate using concrete mixer in all works upto 1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm								
	raft	1	8.00	4.00	0.20	6.40			
	wall	2	7.00	0.25	1.80	6.30			
		4	3.50	0.25	1.80	6.30			
	slab	1	11.50	5.50	0.15	9.49			
		4	1.40	1.40	0.15	1.176			
		4	1.20	0.20	1.80	1.728			
		2	1.20	1.20	0.15	0.432			
					Total=	31.82	Cum	4163.00	132481.2305
3.1	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								
1	Thermo-Mechanically treated bars FE 415	65		31.82	Total=	2068.53	Kg	54.50	112734.7488
5	13.3 Providing and Laying non-pressure (NP3) RCC socket & spigot pipes with rubber gasket joint including testing of joints.								
	300 mm Dia	1	50.0			50.0			
					Total=	50.00	M	1128.00	56400
10	1.9 Extra rate for lead for every 50m lead or part thereof and upto 150 m beyond 50 m free lead and 1.5 m free lift by manual means only.								
	1 For Soils(Extra lead 150 m)					26.800	Cum	99.00	2653.2
11	1.2 Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited					200.000	Cum	65.00	13000.0
TOTAL =									437912.68


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


 Sub Engineer
 Municipal Corporation
 Korba (C.G.)

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

DETAILED ESTIMATE

Work :- laying of paver block

Schedule of rates public works department [PWD BUILDING-01-01-2015]


Ref.	ITEM DESCRIPTION	NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
1.1	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 leveling of pits								
1	In all types of soil								
		1	30.00	8.00	0.30	72.00			
					Total =	72.00	Cum	185.00	13320.00
1.18	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
	paver block	1	30.00	8.00	0.15	36.00			
					Total =	36.00	Cum	371.00	13356.00
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	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).								
		1	30.00	8.00	0.10	24.00			
					Total =	24.00	Cum	2659.00	63816.00
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:								
3	Cement Mortar 1:5 (1 cement : 5 coarse sand)								
		1	50.00	0.30	0.30	4.50			
					Total =	4.50	Cum	3350.00	15075.00
5	7.6 Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:					0.00	Cum	121	0.00

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	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
		2	50.00	0.50	0.10	5.00			
					Total =	5.00	Cum	4073.00	20365.00
12.65	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								
	12.65.2 Pigment Coloured (rubber mould) precast interlock concrete blocks								
		1	30.00	8.00		240.00			
						240.00	sqm	632.00	151680.00
	22.2 Suppling and stacking of good earth at site including royalty,loading,unloading and carriage upto 10km(earth measured in stacks will be reduced by 20% for payment)	1	12.00	8.00	0.30	28.8			
						28.8	CUM	201	5788.8
	22.4 Supplying and stacking at site well decayed cow dung manure from approved source, including loading, unloading and carriage upto 5 km (manure measured in stacks will be reduced by 8%	1	12.0	8.0	0.2	19.2			
						19.2	CUM	236	4531.2
	22.8 Spreading of sludge, dump manure or/and good earth in required thickness (Cost of sludge, dump manure or/ and good earth to be paid separately).	1	12	8	0.12	11.52	CUM	17.5	201.6

22.9 Mixing earth and sludge or manure in proportion specified or directed.					11.52	CUM	11	126.72
12.6 Providing and planting of 3"0" to 4"0" heighted wasingtonia, filipharia/bismarkia novelist plam plants with 1"6" x 1"6" depth pit formation and soil preparation, (Mixing organic manure and plant"s protection								
(ROAD SOR ITEM NO.-12.6/45)					50	EAC H	935	46750
12.7 Providing and planting of 4"0" to 5"0" heighted Ficus prestige/Blackiana plants with 1"6" x 1"6" depth pit formation and soil preparation, (Mixing organic manure and plant"s protection insecticide). Up to 4 month maintenance.								
(ROAD SOR ITEM NO.-12.7/45)					20	EAC H	660	13200
12.8 Providing and planting of Bogenbelia dwarf, chandni dwarf, kaner dwarf vr flower bearing plants with 0"9" x 0"9" depth pit formation and soil preparation work"s, (Mixing organic manure and plant"s protection insecticide).								
(ROAD SOR ITEM NO.-12.8/46)					120	EAC H	88	10560
12.9 Providing and planting of dwarf red Ekalyha plants showing mass effect view with 0"9" x 0"9"x1"0" depth pit formation and soil preparation work"s, (Mixing organic manure and plant"s protection insecticide). Up to 4 month								
(ROAD SOR ITEM NO.-12.9/46)					100	EAC H	72	7200

12.10 Providing and planting of plumeria (Champa) 2"0" to 3"0" heighted plants with 1"0" x 1"0"x1"6" depth pit formation and soil preparation work"s, (Mixing organic manure and plant"s protection insecticide). Up to 4 month maintenance							
(ROAD SOR ITEM NO.-12.10/46)				20	EAC H	380	7600
Providing and planting of Golden durenta multi branches plants for showing mass effect in 0"6" x 0"6" distance with soil preparation work"s, (Mixing organic manure and plant"s protection insecticide). Up to 4							
(ROAD SOR ITEM NO.-12.11/46)				30	EAC H	182	5460
22.25 Providing and planting following herbs in garden including preparation of soil, base plantation, providing and spreading different fertilizers				100	SQM	263	26300
25.4 Carpet grass (well developed)							
(BUILDING SOR ITEM NO.-22.25.4/207)							
TOTAL=						405330.32	


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