

कार्यालय, नगर पालिक निगम, कोरबा (छत्तीसगढ़)

क्र.क. 311/2025

सिस्टम टेंडर नं.175678

कोरबा दिनांक 13.09.2025

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, 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 Form-A में निविदा आमंत्रित की जाती है:-

1. फिजिकल सबमिशन लिफाफा प्राप्त होने की अंतिम तिथि - 08.10.2025 सायंकाल से 3.00 बजे तक
2. निविदा खुलने की अंतिम तिथि - 08.10.2025 सायंकाल 4.00 बजे से

क्र.	कार्य का नाम	प्राक्कलन राशि (लाख में)	घरोहर राशि (FDR/TDR)	कार्यावधि	निविदा प्रतिभागी शुल्क (डिमांड ड्राफ्ट)	ठेकेदार का वर्ग	निविदा खुलने की तिथि
1	वाड क. 19 सी.एस.ई.वी. कोरबा सरस्वती शिशु मंदिर विद्यालय के पास भवन निर्माण (अतिथि स्वरूप) (प्रभारी मंत्री मंद)	25.00	18800/-	05 माह	750/-	वर्ग डी एवं प्रवर श्रेणी	08.10.2025 से

शर्त:-

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 विरुद्ध कार्य किया गया हो उन्हें निविदा भरने की पात्रता नहीं होगी।
3. इच्छुक ठेकेदारों को उचित वर्ग में पंजीयन की प्रमाणित प्रतिलिपि यदि साझेदारी फर्म हो तो उसका प्रमाण पत्र (पार्टनरशिप डीड) की सत्य प्रतिलिपि, उपलब्ध तकनीकी अमले की जानकारी, विगत 3 वर्षों का आयकर चुकता प्रमाण पत्र, पैन नम्बर, वैध 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 डिमांड ड्राफ्ट एवं घरोहर 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 डिमांड ड्राफ्ट एवं निर्धारित प्रारूप में शपथ पत्र की मूल प्रति लिफाफा में कार्य का नाम एवं अन्य विवरण अंकित कर केवल स्पीड पोस्ट/रजिस्टर्ड डाक के माध्यम से आयुक्त, नगर पालिक निगम, कोरबा साकेत भवन, आई.टी.आई.चौक रायपुर कोसाबाड़ी पिन- 495677 कोरबा के पते पर भेजना होगा। निर्धारित तिथि को सायं 03:00 बजे के पश्चात् फिजिकल सबमिशन लिफाफा स्वीकार नहीं किया जायेगा।
 - 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 निर्धारित प्रारूप 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 डिमांड ड्राफ्ट जो कि आयुक्त, नगर पालिक निगम, कोरबा के नाम पर देय हो प्रस्तुत करना अनिवार्य होगा।
4. 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 सिक्युरिटी की गारंटी के रूप में से 03 वर्ष के लिए रोकी जावेगी। सुरक्षा राशि एवं परफार्मेंस गारंटी राशि वापसी हेतु समयावधि की गणना कार्य पूर्णता तिथि से किया जायेगा। उक्त समयावधि में निर्माण कार्य की भौतिक स्थिति सही होने तथा सक्षम प्राधिकारी के संतुष्टि के आधार पर भुगतान किया जायेगा।
5. जिन निविदाकारों द्वारा कर्मचारी भविष्य निधि संगठन (वर्तमान तक वैधता) एवं कर्मचारी राज्य बीमा निगम, रायपुर से पंजीयन कराकर कोड प्राप्त कर लिया हो वे निविदाकार ही निविदा हेतु पात्र होंगे एवं कर्मचारी भविष्य निधि संगठन (ई.पी.एफ.) एवं विभिन्न प्रावधानों को धारा 1952 के तहत निविदाकार का जीवित पंजीयन होना आवश्यक है साथ ही निविदा आमंत्रण दिनांक से विगत तीन माह की अवधि में जमा किये गये 'TRRN Payment Detail' चालान की प्रति प्रस्तुत करना तथा ऑनलाईन अपलोड किया जाना अनिवार्य होगा।
6. 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।
7. ईट से संबंधित निर्माण कार्यों में पलाई एश ब्रिक का उपयोग किया जाना अनिवार्य होगा।
8. प्रयुक्त लोहा का विल एवं टेस्ट रिपोर्ट तथा प्रयुक्त सीमेंट का विल संलग्न करना अनिवार्य होगा।
9. 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।
10. निविदा अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नहीं किया जावेगा।
11. निविदा प्रपत्र फार्म -ए की कड़िका 11 Price Adjustment (एस्कलेशन) देय नहीं होगा।
12. निविदा के संबंध में किसी प्रकार की विवाद होने की स्थिति में आयुक्त का निर्णय अंतिम एवं सर्वमान्य होगा।
13. निविदा स्वीकृत करने अथवा अस्वीकृत करने अथवा निरस्त करने का अधिकार नगर पालिक निगम के पास सुरक्षित रहेगा।
14. उपरोक्त निविदा सूचना की विस्तृत प्रति नगर पालिक निगम, कोरबा के साकेत भवन स्थित निर्माण शाखा से प्राप्त किये जा सकते हैं।
15. ठेकेदार द्वारा संपादित किए गए कार्यों के देयकों का भुगतान कार्य विशेष हेतु बजट आवंटन एवं राशि उपलब्ध होने पर किया जाएगा।
16. निविदा में सफल निविदाकार को ऐसे कार्य जिसकी अनुबंध राशि 10.00 लाख या उससे अधिक है, उनको प्रत्येक कार्यों हेतु पृथक से छ.ग. भवन और सन्निर्माण कर्मचार मण्डल का पंजीयन प्रमाण पत्र प्रस्तुत करना अनिवार्य होगा अन्यथा देयक भुगतान किया जाना संभव नहीं होगा।
17. कार्य कियान्वयन से संबंधित गुणवत्ता परीक्षण संबंधी रिपोर्ट पर होने वाले व्यय का वहन संबंधित ठेकेदार द्वारा किया जावेगा।
18. ठेकेदार को निर्माण कार्य के दौरान "निर्माण एवं अपशिष्ट प्रबंधन नियम 2016" में किये गए प्रावधानों का पालन करना अनिवार्य होगा।


प्रतिलिपि-

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

कार्यपालन अभियंता
नगर पालिक निगम
कोरबा (छ.ग.)

Date-Time Detail(s)

Seq. No.	Nagar Nigam Stage	Contractor Stage	Start		Expiry		Remarks
			Date	Time	Date	Time	
1	Release Tender		13.09.2025	15.30	13.09.2025	15.30	Release Tender
2		Bid Submission	13.09.2025	15.30	06.10.2025	17.30	
3		Physical Document Submission	13.09.2025	15.30	08.10.2025	15.00	
4	Tender Open		08.10.2025	16.00	--	--	


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

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

DETAILED ESTIMATE

Name of work:- Construction of bhawan (Atithi Bhawan) Near Saraswati Shishu Mandir CSEB Korba At Ward No - 19

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

S. N.	SOR Ref.	ITEM DESCRIPTION	NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
1	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),								
		column	15	1.70	1.70	1.50	65.03			
		wall	3	11.00	0.60	0.40	7.92			
			5	8.50	0.60	0.40	10.20			
			1	3.40	0.60	0.40	0.82			
			1	2.80	0.60	0.40	0.67			
		pipe line drainage	1	35.00	0.40	0.40	5.60			
						Total	90.23	Cum	185.00	16693.11
2	2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels.								
	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	15	4	1.50	0.30	27.00			
			15	4	0.6	0.4	14.40			
		column below plinth	15	4	0.30	1.20	21.60			
		plinth beam	3	2	12.20	0.30	21.96			
			5	2	9.70	0.30	29.10			
			1	2	3.40	0.30	2.04			
			1	2	2.80	0.20	1.12			
						Total	117.22	Sqm	139.00	16293.58
	5	Columns, Pillars, Piers and likes rectangular or square in shape								
			15	1.20		2.90	52.2			
						Total	52.20	sqm	297.00	15503.40
	7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in								
		slab	1	13.10	9.70		127.07			
			2	13.10	0.13		3.41			
			2	9.70	0.13		2.52			
		chajja	6	2.40	0.60		8.64			

8	Beams, lintels, cantilevers &				Total	141.64	sqm	235.00	33284.93
	intel beam vertical	4	13.10		0.20	10.48			
		4	9.70		0.20	7.76			
		2	9.20		0.20	3.68			
		6	3.40		0.20	4.08			
		2	2.80		0.20	1.12			
		2	5.70		0.20	2.28			
	slab beam vertical	4	13.10		0.30	15.72			
		2	9.20		0.30	5.52			
	horizontal	6	9.70		0.30	17.46			
		6	3.40		0.30	6.12			
		4	5.70		0.40	9.12			
		2	5.70		0.30	3.42			
		2	2.80		0.30	1.68			
					Total	88.44	sqm	202.00	17864.88
15	Stair cases of all types excluding spiral and folded plate type, including risers and landings								
		2	2.40	1.20		5.76			
		22	1.20	0.15		3.96			
		2	7.20	1.20		17.28			
					Total	27.00	sqm	230.00	6210.00
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,								
	column	15	1.70	1.70	0.15	6.50			
		3	11.00	0.40	0.15	1.98			
	wall	5	8.50	0.40	0.10	1.70			
		1	3.40	0.40	0.10	0.14			
		1	2.80	0.40	0.10	0.11			
	pipe line drainage	1	35.00	0.40	0.10	1.40			
	floor	1	12.20	9.70	0.30	35.50			
					Total	47.33	Cum	371.00	17560.36
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								
	3 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								
	column	15	1.60	1.60	0.10	3.84			
		3	11.00	0.40	0.10	1.32			
	wall	5	8.50	0.40	0.10	1.70			
		1	3.40	0.40	0.10	0.14			
		1	2.80	0.40	0.10	0.11			

		plinth line drainage	1	35.00	0.40	0.10	1.40			
		floor	1	12.20	9.70	0.10	11.83			
5	1.17	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each						Total	20.34	Cum 2970.00 60415.74
								Total =	90.23	Cum 65.00 5865.15
6	3.2	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost								
	1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
		column c1	15	1.50	1.50	0.30	10.13			
			15	0.60	0.60	0.40	2.16			
		column below plinth	15	0.30	0.30	1.20	1.62			
		plinth beam	2	13.10	0.30	0.30	2.36			
			5	9.70	0.30	0.30	4.37			
			1	3.40	0.30	0.30	0.31			
			1	2.80	0.20	0.20	0.11			
		column up to lintel	15	0.30	0.30	2.40	3.24			
		lintel beam	2	13.10	0.20	0.20	1.05			
			2	9.70	0.20	0.20	0.78			
			1	9.20	0.20	0.20	0.37			
			3	3.40	0.20	0.20	0.41			
			1	2.80	0.20	0.20	0.11			
			1	5.70	0.20	0.20	0.23			
		chajja	6	1.80	0.60	0.10	0.65			
			1	7.00	0.90	0.10	0.63			
		column up to ground floor slab	15	0.30	0.30	0.90	1.22			
		slab beam vertical	3	13.10	0.20	0.30	2.36			
		horizontal	3	9.70	0.20	0.30	1.75			
			3	3.40	0.20	0.30	0.61			
			2	5.70	0.30	0.40	1.37			
			2	2.80	0.20	0.30	0.34			
		slab	1	13.10	9.70	0.13	15.88			
		stair waist slab	2	7.45	1.10	0.15	2.46			
			22	1.50	0.30	0.15	1.49			
		landing	2	2.40	1.50	0.15	1.08			
			1	4.00	2.40	0.13	-1.20			
								Total	55.85	Cum 4163.00 232487.94

[illegible]


	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							
2	Size above 200x300mm							
		4	2.80		1.50	16.80		
		2	3.40		1.50	10.20		
		1	7.40		0.60	4.44		
					Total	31.44	sqm	646.00
12.9	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							20310.24
1	Size above 300x300mm	2	2.80	1.70		9.52		
					Total	9.52	sqm	728.00
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							6930.56
1	Granite stone black							
	stair	22	1.20	0.30		7.92		
		22	1.20	0.15		3.96		
		2	2.40	1.20		5.76		
		22	0.30	0.15		0.99		
		1	7.00	0.60		4.20		
		1	7.00	0.15		1.05		
					Total	23.88	sqm	2646.00
					=			63186.48
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							
		6	35.00			210.00		

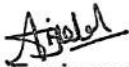
						Total =	210.00	Kg	67.50	14175.00
18	11.1	Providing and making 6mm thick cement plaster of mix								
	2	In Cement mortar 1:3 (1 cement : 3 fine sand)								
		slab	1	13.10	9.70		127.1			
		stair waist slab	2	7.45	1.50		22.4			
			11	1.50	0.30		5.0			
		landing	2	2.40	1.50		7.2			
						Total	161.57	sqm	93.00	15026.01
19	11.2	Providing and making 12mm thick cement plaster of mix								
	4	In Cement Mortar 1:5 (1 cement : 5 fine sand)								
			2	12.2		4.5	109.80			
			2	9.7		5	97.00			
							-40.00			
						Total	166.80	sqm	96.50	16096.20
20	11.3	Providing and making 15mm thick cement plaster on the rough side of single or half brick								
	4	In Cement Mortar 1:5 (1 cement : 5 fine sand)								
		lintel beam vertical	5	9.70		3.30	160.05			
			2	9.20		3.30	60.72			
			7	3.40		3.30	78.54			
							-40.00			
						Total	259.31	sqm	113.00	29302.03
1	14.13	Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and					587.68			
						Total	537.68	sqm	94.50	50810.76
2	14.1	Wall painting with acrylic premium emulsion (plastic) paint of required					390.88	sqm	44.50	17394.16
	1	On new work (Two or more								
	14.15	Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc.								
		On new work (Two or more								

138	Providing and fixing stainless steel door latch with 12mm rod, 2.5mm thick flap, necessary stainless steel screws etc complete				166.80	sqm	56.00	9340.80
2	250mm							
					11.00			
27	8.139 Providing and fixing stainless steel tower bolts (Barrel type) with necessary stainless steel screws			Total	11.00	nos	85.00	935.00
3	150 x10mm							
28	8.141 Providing and fixing Stainless steel "D" shape door handles made of 10mm dia rod with necessary stainless steel screws etc			Total	10.00	nos	57.50	575.00
	8.141.2 150 mm							
29	8.58 Providing and fixing bright finished brass butt hinges with brass polished MS screws complete:			Total	6.00	nos	49.50	297.00
	8.58.1 125x85x5.50 mm (Heavy							
30	8.143 Providing and fixing stainless steel hanging door stopper with necessary stainless steel screws complete.			Total	8.00	nos	245.00	1960.00
	1 Single							
				Total	6.00	nos	47.00	282.00
35	14.22 Painting on new work (two or more coats) to give an even							
	2 Premium synthetic enamel paint	6	1.50	1.20	10.80			
		5	1.00	1.20	6.00			
		2	3.00	2.40	14.40			
				Total	31.20	sqm	47.00	1466.40
	8.14 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							
	.14.1 40 mm. thick (single leaf)	5	1.00	2.1	10.50	sqm	2034.00	21357.00

9	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 \pm 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								
	2	8.149.1 24 mm thick door	2	0.80	2.10		3.36			
						Total	3.36	sqm	2399.00	8060.64
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.				200.00	kg	66.00	13200.00	
36	9.47	Providing and fixing aluminium work for doors, windows, ventilators and partitions made out of extruded aluminium standard sections (main section with minimum 1.5mm thickness) conforming to IS: 733, IS: 1285 mitred and jointed mechanically including aluminium cleats, neoprene weather stripping gasket beveled edge beading, screws duly fixed in wall/ floor with fixing clips or hold fasteners or bolts and nuts as required aluminium sections								
	9.47.1	For fixed portion				60.00	kg	331.00	19860.00	
37	9.47.2	For shutter of doors, windows & ventilators including providing and making provision for fixing of fitting wherever required including the				48.00	kg	338.00	16224.00	
38	9.51	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete. (Cost of aluminium snap beading shall be paid in basic item):								
		With float glass panes of 6 mm thickness	6	1.50	1.20	10.80				
						Total =	10.80	sqm	804.00	8683.20

9.57	Providing stainless steel railing/ grill made of S.S. flats, hollow S.S. pipe or square/ rectangular sections of approved design fixing in stair case, balcony or other places with metal fasteners and stainless steel bolts etc complete.								
1	SS Grade 204					25.00	kg	467.00	11675.00
TOTAL=									1311733.43


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


 Sub Engineer
 Municipal Corporation
 Korba (C.G.)

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

DETAILED ESTIMATE

SANITATION WORK

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


PART - C - SANITATION WORK

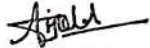
1	18.76	Providing and fixing on wall face UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382								
	1	75 mm dia pipe.	1	20.00			20.00	metre	182.00	3640.00
	2	110 mm dia pipe.	1	20.00			20.00	metre	267.00	5340.00
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					1	each	2899.00	2899.00
	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					1	each	4415.00	4415.00
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 :					2	each	1605.00	3210.00
	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								
	1	Tee/ Tee with door/ Bend 45°/ Bend 90°								
	1	75 mm					5.00	each	113.00	565.00
	2	110 mm					6.00	each	154.00	924.00
	3	Vent cover								
	1	75 mm					6.00	each	34.00	204.00

5	Napoli trap 110x75mm					6.00	each	90.50	543.00
19.4	Providing and fixing Chlorinated								
1	15 mm nominal outer dia .Pipes.					58.00	metre	110.00	6380.00
3	25 mm nominal outer dia .Pipes.					20.00	metre	199.00	3980.00
4	32 mm nominal outer dia .Pipes.					22.00	metre	271.00	5962.00
19.13	Providing and fixing 15 mm								
1	Bib cock (250 grams)					6.00	each	185.00	1110.00
19.14	Providing and fixing 15 mm nominal bore C.P. brass fittings								
6	Stop cock (concealed) (600 grams)					4.00	each	494.00	1976.00
4	Pillar Cock (400 grams)					2.00	each	398.00	796.00
	Long nose bib cock (500 grams)					2.00	each	455.00	910.00
	Two way bib cock (800 grams)					2.00	each	708.00	1416.00
	Shower rose (revolving type) (150mm)					2.00	each	269.00	538.00
	Towel rail (600mm long x 20mm dia)					2.00	each	338.00	676.00
	CP brass water jet to be fixed in seat cover of WC with flexible					1.00	each	577.00	577.00
19.15	Providing and fixing stainless steel drain jali of approved					6.00	each	51.00	306.00
19.16	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed								
1	25 mm nominal bore					2.00	each	436.00	872.00
2	32 mm nominal bore.					2.00	each	510.00	1020.00
2	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					2.00	each	4356.00	8712.00
8.13	Providing and fixing white vitreous china urinal basin with waste fitting as per IS : 2556, and other								
2	Flat back half stall urinal of size 460x380x250mm					2.00	each	1776.00	3552.00

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					1000.00	litre	7.30	7300.00
TOTAL =								67823.00

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

Name of work :- Internal Electrification

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

S. N.	SOR Ref.	ITEM DESCRIPTION	NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
1	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								
	1	Short Point	20				20	Point	240.00	4800.00
	2	Medium Point	20				20	Point	376.00	7520.00
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:	2				2.00	Point	87.00	174.00
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	50.00			150.00	Metre	111.00	16650.00
		3 X 4 sq. mm in 25mm conduit	3	30.00			90.00	Metre	145.00	13050.00

6.1 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

3

4

4

Each

2662.00

10648.00

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 450 mm sweep

2

6

EACH

3976.00

23856.00

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 \geq 100 lumens /watt.

8.22.5

12 Watt

12

12.00

Each

588.00

7056.00

8.22.6

15 Watt

12

12.00

Each

679.00

8148.00

5.1

Supplying and fixing following piano type switch, socket, other accessories on the existing switch box/ cover including connections etc. as per

6

5.1.12

Fan regulator Electronic, step type moving all round

4

4.00

Each

130.00

520.00

5.1.13

Ceiling rose 3 pin 5 amps

4

4.00

Each

32.00

128.00

5.1.15

Batten/ angle holder

4

4.00

Each

38.00

152.00

79.1	Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as per specification, IS/ IEC: 60947-2 and lcs = 100 % lcu.								
11.17.2	3 pole MCCB, 25-63A, Fixed Thermal Release, 10KA	3				3.00	Each	1483.00	4449.00
19.17	Supplying and fixing PVC water tight terminal box of approved make and brand with detachable gland plate in bottom, hinged front openable cover, rubber gasket, having 1 Nos 4way connector and 1 No SPMCB inside the box for cable connection, fixed to pole with 2 Nos clamp made from 25x3mm GI flat with 2 No GI nuts bolts complete as per specification.								
	300x200x125 mm for 3 phase	1				1.00	each	989.00	989.00
	Earth work in all type soil except soft rock / hard rock with all lead and 1.5 metre lift, dressing, stacking excavated strata including refilling of excavated soil in trench / pit to ground level complete as per specification.	1	1.50	1.50	1.50	3.38	cum	162.00	546.75
	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal and salt as per specification and IS Code 3043: 1987(R 2016)	1				1.00	each	3243.00	3243.00
	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe, with charcoal and salt as per specification and IS Code 3043: 1987(R 2016)					1.00	each	3734.00	3734.00


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,

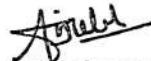
2 x 4 sq. Mm

1	20.00			20.00	Metre	175.00	3500.00
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(b)TOTAL = 109163.75

Total= 1488720.18


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


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


DETAILED ESTIMATE

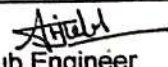
NAME OF WORK :- CONSTRUCTION OF SEPTIC TANK AND SEWER LINE Near
Saraswati Shishu Mandir CSEB Korba At Ward No - 19

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

S. N.	SOR Ref.	DESCRIPTION	NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
1	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 25.00 m								
	1	In all types of soil								
		nala	1	4.00	3.00	1.80	21.60			
			1	25.00	0.60	0.80	12.00			
						Total=	33.60	Cum	185.00	6216
2	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								
			1	4.00	3.00	0.10	1.20			
			1	25.00	0.60	0.10	1.50			
						Total=	2.700	Cum	371.00	1001.7
5	2.1	Providing and fixing formwork including centering, shuttering, strutting, staging, propping								
	1	Foundations, footings, base of columns and plinth beam								
			2	3.60		0.15	1.08			
			2	2.40		0.15	0.72			
						Total=	1.80	Sqm	139.00	250.20
	2	Wall of any thickness including attached pilasters,								
			4	3.60		1.80	25.92			
			6	2.40		1.80	25.92			
						Total=	51.84	Sqm	228.00	11819.52
	7	suspended floor roofs	1	3.60	2.40		8.64			
						Total=	8.64	Sqm	235.00	2030.40
6	3.1	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in								
	3	1:4:8 (1 cement : 3 coarse sand : 6 graded stone								
			1	4.00	3.00	0.10	1.20			
			1	25.00	0.40	0.10	1.00			

					Total=	2.200	Cum	2659.00	5849.8
2	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete								
1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm)								
	raft	1	3.60	2.40	0.15	1.30			
	wall	2	3.60	0.20	1.80	2.59			
		3	2.40	0.20	1.80	2.59			
	slab	1	3.60	2.40	0.15	1.30			
					Total=	7.78	Cum	4163.00	32371.488
9	3.12 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								
1	Thermo-Mechanically treated bars FE 415	65		7.78	Total=	505.44	Kg	54.50	27546.48
	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) 150 mm dia pipe.					25.0	m	440.00	11000.00
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								
1	For Soils(Extra lead 150 m)					13.600	Cum	99.00	1346.4
11	1.17 Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each					20.000	Cum	65.00	1300.0
TOTAL =									100731.99


Asstt. Engineer
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Korba (C.G.)


Sub Engineer
Municipal Corporation
Korba (C.G.)

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

DETAILED ESTIMATE

Name of work:- Construction of bhawan (Atithi Bhawan) Near Saraswati Shishu Mandir CSEB Korba At Ward No - 19 (FF)

As per 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
2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all								
5	Columns, Pillars, Piers and likes- rectangular or square in shape.								
		15	1.20		2.90	52.2			
					Total	52.20	sqm	297.00	15503.40
7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves								
	slab	1	79.80	1.00		79.80			
		2	13.10	0.13		3.41			
		2	5.90	0.13		1.53			
	chajja	3	2.40	0.60		4.32			
					Total	89.06	sqm	235.00	20929.10
8	Beams, lintels, cantilevers &								
	intel beam vertical	4	13.10		0.20	10.48			
		2	9.70		0.20	3.88			
		4	4.00		0.20	3.20			
		4	3.40		0.20	2.72			
		8	1.80		0.20	2.88			
		4	5.90		0.20	4.72			
	slab beam vertical	4	13.10		0.30	15.72			
		2	9.70		0.30	5.82			
		4	4.00		0.30	4.80			
		4	3.40		0.30	4.08			
		8	1.80		0.20	2.88			
		4	5.90		0.30	7.08			
					Total	68.26	sqm	202.00	13788.52
15	Stair cases of all types excluding spiral and folded plate type, including risers and								
		2	2.40	1.20		5.76			
		22	1.20	0.15		3.96			
		2	7.20	1.20		17.28			

3.2	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level				Total	27.00	sqm	230.00	6210.00
1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
	column up to lintel	10	0.30	0.30	2.40	2.16			
	lintel beam	2	13.10	0.20	0.20	1.05			
		1	9.70	0.20	0.20	0.39			
		2	4.00	0.20	0.20	0.32			
		2	3.40	0.20	0.20	0.27			
		4	1.80	0.20	0.20	0.29			
		2	5.90	0.20	0.20	0.47			
	chajja	2	13.10	0.20	0.30	1.57			
		1	9.70	0.20	0.30	0.58			
		10	0.30	0.30	0.90	0.81			
		2	4.00	0.20	0.30	0.48			
	slab beam vertical	2	3.40	0.20	0.30	0.41			
	horizontal	4	1.80	0.20	0.20	0.29			
		2	5.90	0.20	0.30	0.71			
	slab	1	75.79	1.00	0.13	9.47			
	stair waist slab	2	7.45	1.10	0.15	2.46			
		22	1.50	0.30	0.15	1.49			
	landing	2	2.40	1.50	0.15	1.08			
		1	4.00	2.40	0.13	-1.20			
	MUMTY	4	0.30	0.30	2.80	1.01			
		1	16.60	0.20	0.20	0.66			
					Total	24.77	Cum	4163.00	103097.74
8	3.12 Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of								
	1 Thermo-Mechanically treated								
		100	24.77			2476.53			
					Total	2476.53	kg	54.50	134970.61
9	7.6 Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in								
		2	11.00	0.20	2.90	12.76			
		2	5.90	0.20	2.90	6.84			
		3	3.40	0.20	2.90	5.92			
		2	3.40	0.10	2.90	1.97			
		3	1.80	0.10	2.90	1.57			
		1	2.40	0.20	2.90	1.39			
		-3	1.00	0.20	2.10	-1.26			
		-3	1.50	0.20	1.20	-1.08			
		1	16.60	0.20	2.80	9.30			
					Total	37.41	Cum	3263.00	122055.78

7.6 Extra for brick work in super structure above plinth level for every floor or part thereof in addition to rate for

12.12 Providing and laying vitrified floor tiles with soluble salt printing, of size 600x600mm with water absorption less than 0.5% and conforming to IS : 15622 of approved make, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc.

1 Size 600x600mm

1 12.50 3.60

45.00

1 4.00 2.40

9.60

Total

54.60

sqm

963.00

52579.80

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

2 Size above 200x300mm

2 2.80

1.50

8.40

6 1.80

1.50

16.20

4 1.80

1.50

10.80

Total

35.40

sqm

646.00

22868.40

14 12.9 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

1 Size above 300x300mm

1.00

1.00

3.40

1.40

3.40

1.00

1.00

1.90

1.80

1.90

Total

12.50

sqm

728.00

9100.00

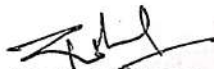
15 12.45 15 mm thick Table rubbed polished Granite stone slab flooring laid over 20mm (Average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including rubbing and

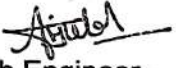
1 Granite stone black

		premium emulsion (plastic) paint of required				529.92	sqm	44.50	23581.44
1		On new work (Two or more							
14.15		Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface							
		On new work (Two or more							
26	8.138	Providing and fixing stainless steel door latch with 12mm rod, 2.5mm thick flap, necessary stainless steel screws etc complete				144.54	sqm	56.00	8094.24
	2	250mm				5.00			
					Total	5.00	nos	85.00	425.00
27	8.139	Providing and fixing stainless steel tower bolts (Barrel type) with necessary stainless steel							
	3	150 x10mm			Total	5.00	nos	57.50	287.50
28	8.141	Providing and fixing Stainless steel "D" shape door handles made of 10mm dia rod with necessary stainless steel screws etc							
	8.141.2	150 mm			Total	3.00	nos	49.50	148.50
29	8.58	Providing and fixing bright finished brass butt hinges with brass polished MS screws complete:							
	8.58.1	125x85x5.50 mm			Total	4.00	nos	245.00	980.00
30	8.143	Providing and fixing stainless steel hanging door stopper with necessary stainless steel screws							
	1	Single			Total	3.00	nos	47.00	141.00
35	14.22	Painting on new work (two or more coats) to give an even							
	2	Premium synthetic enamel	6	1.50	1.20	10.80			
			5	1.00	1.20	6.00			
			2	3.00	2.40	14.40			
					Total	31.20	sqm	47.00	1466.40

8.14	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								
	14.1 40 mm. thick (single leaf)	3	0.90		2.1	5.67	sqm	2034.00	11532.78
39	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 \pm 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								
	2 8.149.1 24 mm thick door	3	0.75	2.10		4.73			
					Total	4.73	sqm	2399.00	11335.28
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.					200.00	kg	66.00	13200.00
36	9.47 Providing and fixing aluminium work for doors, windows, ventilators and partitions made out of extruded aluminium standard sections (main section with minimum 1.5mm thickness) conforming to IS: 733, IS: 1285 mitred and jointed mechanically including aluminium cleats, neoprene weather stripping gasket beveled edge beading, screws duly fixed in wall/ floor with fixing clips or hold fasteners or bolts and nuts as required aluminium sections								
	9.47.1 For fixed portion					36.00	kg	331.00	11916.00

38	9.47.2	shutter of doors, windows & ventilators including providing and making provision for fixing of fitting wherever required including the					30.00	kg	338.00	10140.00
	9.51	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete. (Cost of aluminium snap beading shall be paid in basic item):								
		With float glass panes of 6 mm thickness	3	1.50	1.20		5.40			
						Total =	5.40	sqm	804.00	4341.60
40	9.57	Providing stainless steel railing/ grill made of S.S. flats, hollow S.S. pipe or square/ rectangular sections of approved design fixing in stair case, balcony or other places with metal fasteners and stainless steel bolts etc complete.								
	1	SS Grade 204					25.00	kg	467.00	11675.00
									TOTAL=	779568.84


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


 Sub Engineer
 Municipal Corporation
 Korba (C.G.)

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

DETAILED ESTIMATE


SANITATION WORK

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

PART - C - SANITATION WORK

1	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									
	1	75 mm dia pipe.	1	20.00			20.00	metre	182.00	3640.00	
	2	110 mm dia pipe.	1	20.00			20.00	metre	267.00	5340.00	
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					2	each	2899.00	5798.00	
	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					1	each	4415.00	4415.00	
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 :					3	each	1605.00	4815.00	
	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									
	1	Tee/ Tee with door/ Bend 45°/ Bend 90°									
	1	75 mm					5.00	each	113.00	565.00	
	2	110 mm					6.00	each	154.00	924.00	
	3	Vent cover									
	1	75 mm					6.00	each	34.00	204.00	

[illegible]


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

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

DETAILED ESTIMATE


Name of work :- Internal Electrification

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

S. N.	SOR Ref.	ITEM DESCRIPTION	NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
1	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								
	1	Short Point	15				15	Point	240.00	3600.00
	2	Medium Point	9				9	Point	376.00	3384.00
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	2				2.00	Point	87.00	174.00
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)								
	4.13.2	3 X 2.5 sq. mm in 20mm	3	30.00			90.00	Metre	111.00	9990.00
		3 X 4 sq. mm in 25mm conduit	3	15.00			45.00	Metre	145.00	6525.00

6.1	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.									
3		3				3	Each	2662.00	7986.00	
	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. 450 mm sweep									
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 \geq	3				6	EACH	3976.00	23856.00	
8.22.5	12 Watt	12				12.00	Each	588.00	7056.00	
8.22.6	15 Watt	10				10.00	Each	679.00	6790.00	
	6 Watt	6				6.00	Each	490.00	2940.00	
5.1	Supplying and fixing following piano type switch, socket, other accessories on the existing switch box/ cover including connections etc. as per									
5.1.12	Fan regulator Electronic, step type moving all round.	3				3.00	Each	130.00	390.00	
5.1.13	Ceiling rose 3 pin 5 amps	3				3.00	Each	32.00	96.00	
5.1.15	Batten/ angle holder	3				3.00	Each	38.00	114.00	

19.1	Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as per specification, IS/ IEC: 60947-2 and lcs = 100 % lcu.								
11.17.23	3 pole MCCB, 25-63A, Fixed Thermal Release, 10KA	3				3.00	Each	1483.00	4449.00
(b)TOTAL =									77350.00
Total=									910421.84


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