

कार्यालय, नगर पालिक निगम, कोरबा (छत्तीसगढ़)

फा.क. 713 / निर्माण / 2022

सिस्टम टेंडर नं 106992

कोरबा दिनांक 16.08.2022

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 कार्य 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-प्रोक्युरमेंट (E-Tendering) के माध्यम से निविदाएं आमंत्रित की जाती हैं :-

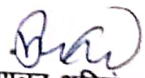
क.	कार्य का नाम	प्राक्कलन राशि (लाख में)	धरोहर राशि	कार्यावधि	ठेकेदार का वर्ग	निविदा खुलने की तिथि
1	जिले में जीवनरक्षक टीकों के संधारण एवं संग्रहण हेतु कोल्ड स्टोर की स्थापना	38.76	30000/-	06 माह	वर्ग डी एवं प्रवर श्रेणी	08.09.2022 से

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 (पाटर्नरशीप डीड) की सत्य प्रतिलिपि, उपलब्ध तकनीकी अमले की जानकारी, आयकर प्रमाण पत्र/पेन नम्बर, जी.एस.टी. पंजीयन प्रमाण पत्र एवं अमानत राशि ऑनलाईन जमा करना अनिवार्य होगा, प्रशिक्षित यंत्री नियुक्त करने संबंधी प्रमाण पत्र, कर्मचारी भविष्य निधि रायपुर से पंजीकरण का कोड एवं धरोहर राशि का स्कैन कापी ऑन लाईन सिस्टम पर अपलोड 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 सिक्यूरिटी की गारंटी के रूप में से 03 वर्ष के लिए रोकी जावेगी।
5. 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।
6. 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 स्कैन कर अपलोड करना अनिवार्य होगा।
7. निविदा में भाग लेने वाले ठेकेदारों को छ.ग. भवन और अन्य सन्निर्माण कर्मकार (नियोजन एवं सेवा शर्तों का विनियमन) अधिनियम 1996 एवं तदअंतर्गत निर्धारित नियमों के तहत पंजीयन कराना आवश्यक होगा तथा निर्माण लागत का 1 प्रतिशत उपकर के रूप में प्रत्येक देयक से कटौती की जावेगी।
8. ईट से संबंधित निर्माण कार्यों में फ्लाई एश ब्रिक का उपयोग किया जाना अनिवार्य होगा।
9. प्रयुक्त लोहा का बिल एवं टेस्ट रिपोर्ट तथा प्रयुक्त सीमेंट का बिल संलग्न करना अनिवार्य होगा।
10. 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।
11. निविदा अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नहीं किया जावेगा।
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।

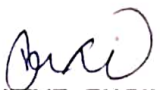
प्रतिलिपि-

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


कार्यपालन अभियंता
नगर पालिक निगम
कोरबा (छत्तीसगढ़)

Date-Time Detail(s)

Seq. No.	Nagar Nigam Stage	Contractor Stage	Start		Expiry		Remarks
			Date	Time	Date	Time	
1	Release Tender		16.08.2022	17.30	16.08.2022	17.30	Release Tender
2		Bid Submission	16.08.2022	17.30	07.09.2022	17.30	
3	Tender Open		08.09.2022	10.30	--	--	


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

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

DETAILED ESTIMATE

Name of work:- Construction of VACCINE COLD STORE ROOM AT DISTRICT HOSPITAL KORBA

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), including dressing and leveling of								
		column	12	1.80	1.80	1.50	58.32			
			18	1.50	1.50	1.50	60.75			
		wall horizontal	2	18.80	0.60	0.60	13.54			
			1	17.00	0.60	0.60	6.12			
			1	11.00	0.60	0.60	3.96			
			2	7.80	0.60	0.60	5.62			
			1	4.00	0.60	0.60	1.44			
		vertical	5	11.20	0.60	0.60	20.16			
			1	8.90	0.60	0.60	3.20			
		pipe line drainage	1	15.00	0.60	0.60	5.40			
		sewer line	1	15.00	1.00	1.20	18.00			
						Total	196.51	Cum	185.00	36353.61
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.								
			12	6.00	0.35		25.20			
			12	4.40	0.4		21.12			
			18	5.60	0.3		30.24			
			18	3.60	0.4		25.92			
		column below plinth	12	1.20	1.80		25.92			
			18	1.00	1.80		32.40			
		plinth beam hor	4	20.00	0.3		24.00			
			2	11.80	0.3		7.08			
			2	18.00	0.3		10.80			
			4	8.00	0.3		9.60			
			2	4.00	0.3		2.40			
			4	1.80	0.3		2.16			
		vertical	10	12.60	0.3		37.80			
			2	8.00	0.3		4.80			
		septic tank	2	3.20	0.2		1.28			
			2	5.60	0.2		2.24			
			6	3.20	1.9		36.48			
			4	5.60	1.9		42.56			
						Total	342.00	Sqm	139.00	47538.00

Columns, Pillars, Piers and likes- rectangular or square in shape								
	12	1.20		2.90	41.76			
	18	1.00		2.90	52.2			
	4	1.20		2.90	13.92			
	2	1.00		2.90	5.8			
	8	1.20		0.60	5.76			
	16	1.00		0.60	9.6			
				Total	129.04	sqm	297.00	38324.88
7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)							
	slab	1	20.00	13.00	260.00			
		1	9.30	1.10	10.23			
		1	6.30	1.10	6.93			
		2	20.00	0.13	5.20			
		2	13.00	0.13	3.38			
	chajja	6	1.80	0.60	6.48			
		1	8.00	0.60	4.80			
		1	4.60	0.60	2.76			
	septic tank	1	5.60	3.2	17.92			
				Total	317.70	sqm	235.00	74659.50
8	Beams, lintels, cantilevers & walls							
	Lintel beam	4	20.00	0.20	16.00			
		2	14.40	0.20	5.76			
		2	11.80	0.20	4.72			
		4	8.20	0.20	6.56			
		2	4.00	0.20	1.60			
		4	1.80	0.20	1.44			
		10	12.60	0.20	25.20			
		2	8.00	0.20	3.20			
	slab beam	16	8.30	0.30	39.84			
		4	20.00	0.30	24.00			
		2	11.80	0.30	7.08			
		2	18.00	0.30	10.80			
		4	8.00	0.30	9.60			
		2	4.00	0.30	2.40			
		4	1.80	0.30	2.16			
		6	4.00	0.30	7.20			
		10	12.60	0.30	37.80			
		2	8.00	0.30	4.80			
		2	13.00	0.50	13.00			
		2	4.20	0.50	4.20			
		8	6.60	0.20	10.56			
		8	3.80	0.20	6.08			
		2	9.30	0.65	12.09			
		2	6.30	0.65	8.19			
				Total	264.28	sqm	202.00	53384.56
15	Stair cases of all types excluding spiral and folded plate type, including risers and landings							
		2	2.45	1.50	7.35			
		22	1.50	0.15	4.95			

					Total	12.30	sqm	230.00	2829.00
	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	12	1.80	1.80	0.10	3.89			
		18	1.50	1.50	0.10	4.05			
	wall horizontal	2	18.80	0.60	0.10	2.26			
		1	17.00	0.60	0.10	1.02			
		1	11.00	0.60	0.10	0.66			
		2	7.80	0.60	0.10	0.94			
	vertical	1	4.00	0.60	0.10	0.24			
		5	11.20	0.60	0.10	3.36			
	pipe line drainage	1	8.90	0.60	0.10	0.53			
	sewer line	1	15.00	0.60	0.10	0.90			
	floor	1	15.00	1.00	0.10	1.50			
	septic tank	1	19.20	12.20	0.30	70.27			
		1	6	4	0.1	2.4			
					Total	92.02	Cum	371.00	34137.94
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 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).								
	column	12	1.80	1.80	0.10	3.89			
		18	1.50	1.50	0.10	4.05			
	wall horizontal	2	18.80	0.60	0.10	2.26			
		1	17.00	0.60	0.10	1.02			
		1	11.00	0.60	0.10	0.66			
		2	7.80	0.60	0.10	0.94			
		1	4.00	0.60	0.10	0.24			
	vertical	5	11.20	0.60	0.10	3.36			
		1	8.90	0.60	0.10	0.53			
	pipe line drainage	1	15.00	0.60	0.10	0.90			
	sewer line	1	15.00	1.00	0.10	1.50			
	floor	1	19.20	12.20	0.10	23.42			
	septic tank	1	6.00	4.00	0.10	2.40			
					Total	45.17	Cum	2659.00	120101.71
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 =	196.51	Cum	65.00	12772.89
	1.9 Providing filling and compacting local earth (from approved source pit) in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
		1	20.00	14.00	1.00	280.00	cum	242.00	67760.00

and laying nominal mix
 cement concrete with
 washed stone aggregate using
 concrete mixer in all works upto
 plinth level excluding cost of form

1 1:1½:3 (1 cement : 1½ coarse sand :
 3 graded stone aggregate 20mm
 nominal size).

column c1	12	1.50	1.50	0.35	9.45			
	12	1.1	1.1	0.4	5.81			
c2	18	1.40	1.40	0.30	10.58			
	18	0.90	0.90	0.40	5.83			
column below plinth	12	0.20	0.40	1.80	1.73			
	18	0.20	0.30	1.80	1.94			
plinth beam hor	2	20.00	0.20	0.30	2.40			
	1	11.80	0.20	0.30	0.71			
	1	18.00	0.20	0.30	1.08			
	2	8.00	0.20	0.30	0.96			
	1	4.00	0.20	0.30	0.24			
	2	1.80	0.20	0.30	0.22			
vertical	5	12.60	0.20	0.30	3.78			
	1	8.00	0.20	0.30	0.48			
column up to lintel	12	0.20	0.40	2.90	2.78			
	18	0.20	0.30	2.90	3.13			
lintel beam hor	2	20.00	0.20	0.20	1.60			
	1	14.40	0.20	0.20	0.58			
	1	11.80	0.20	0.20	0.47			
	2	8.20	0.20	0.20	0.66			
	1	4.00	0.20	0.20	0.16			
	2	1.80	0.10	0.20	0.07			
	5	12.60	0.20	0.20	2.52			
	1	8.00	0.20	0.20	0.32			
chajja	6	1.80	0.60	0.10	0.65			
	1	8.00	0.60	0.10	0.48			
	1	4.60	0.60	0.10	0.28			
slab beam hor	8	8.30	0.20	0.30	3.98			
	2	20.00	0.20	0.30	2.40			
	1	11.80	0.20	0.30	0.71			
	1	18.00	0.20	0.30	1.08			
	2	8.00	0.20	0.30	0.96			
	1	4.00	0.20	0.30	0.24			
	2	1.80	0.20	0.30	0.22			
	3	4.00	0.20	0.30	0.72			
vertical	5	12.60	0.20	0.30	3.78			
	1	8.00	0.20	0.30	0.48			
	1	13.00	0.20	0.50	1.30			
	1	4.20	0.20	0.50	0.42			
slab	1	20.00	13.00	0.13	32.50			
	1	9.30	1.10	0.13	1.28			
	1	6.30	1.10	0.13	0.87			
latken	1	9.30	0.15	0.50	0.70			
	1	6.30	0.15	0.50	0.47			
stair waist slab	2	2.45	1.50	0.15	1.10			
	11	1.50	0.30	0.15	0.74			
landing	2	3.20	1.50	0.15	1.44			
parapet	34	0.20	0.40	0.90	2.45			
loft	4	6.00	0.60	0.10	1.44			
	3	6.00	0.60	0.10	1.08			

		Water tank	1	3.20	5.60	0.20	3.58			
			2	5.60	0.20	1.90	4.26			
			3	3.20	0.20	1.90	3.65			
			1	5.60	3.20	0.15	2.69			
		mumty	4	0.20	0.40	2.90	0.93			
			2	0.20	0.30	2.90	0.35			
			4	6.60	0.20	0.20	1.06			
			4	3.80	0.20	0.20	0.61			
			1	6.60	4.20	0.13	3.47			
			8	0.20	0.40	0.60	0.38			
			16	0.20	0.30	0.60	0.58			
						Total	140.80	Cum	4163.00	586162.89
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 binding wire in foundation and plinth								
		1 Thermo-Mechanically treated bars								
			110	140.80			15488.33			
						Total	15488.33	kg	54.50	844113.99
9	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)								
		plinth beam hor	2	20.00	0.20	0.80	6.40			
			1	11.80	0.20	0.80	1.89			
			1	18.00	0.20	0.80	2.88			
			2	8.00	0.20	0.80	2.56			
			1	4.00	0.20	0.80	0.64			
			2	1.80	0.20	0.80	0.58			
		vertical	5	12.60	0.20	0.80	10.08			
			1	8.00	0.20	0.80	1.28			
			1	8.00	0.90	0.20	1.44			
			1	8.00	0.60	0.20	0.96			
			1	8.00	0.30	0.20	0.48			
			1	4.60	0.90	0.20	0.83			
			1	4.60	0.60	0.20	0.55			
			1	4.60	0.30	0.20	0.28			
						Total	30.84	Cum	3350.00	103314.00
		super structure 7.5.3+7.6								
			2	20.00	0.20	2.80	22.40			
			1	14.40	0.20	2.80	8.06			
			1	11.80	0.20	2.80	6.61			
			2	8.20	0.20	2.80	9.18			
			1	4.00	0.20	2.80	2.24			
			2	1.80	0.10	2.80	1.01			
			5	12.60	0.20	2.80	35.28			
			1	8.00	0.20	2.80	4.48			
		parapet	2	19.00	0.20	0.60	4.56			
			2	13.00	0.20	0.60	3.12			
		mumty	2	6.60	0.20	2.90	7.66			
			2	3.80	0.20	2.90	4.41			
		deduct door window	-13	1.80	0.20	1.50	-7.02			
			-1	1.50	0.20	2.10	-0.63			
			-4	1.00	0.20	2.10	-1.68			
			-1	8.00	0.20	2.40	-3.84			

			-1	4.60	0.20	2.40	-2.21			
			-1	3.00	0.20	2.40	-1.44			
			-4	0.90	0.20	0.60	-0.43			
						Total	91.76	Cum	3471.00	318492.02
							0.00	Cum	121	
10		Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:								
12	12.13	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	11.60	4.40		51.04			
			1	7.80	6.40		49.92			
			1	3.80	6.40		24.32			
			1	4.20	4.40		18.48			
			1	4.20	3.20		13.44			
			1	16.40	2.10		34.44			
			1	8.00	2.10		16.80			
			1	5.50	3.20		17.60			
			9	1.20	0.20		2.16			
						Total	228.20	sqm	1151.00	262658.20
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 pigment complete.								
	2	Size above 200x300mm								
			5	1.80		2.10	18.90			
			2	8.00		2.10	33.60			
			2	3.00		2.10	12.60			
			2	2.40		2.10	10.08			
						Total	75.18	sqm	587.00	44130.66
						=				
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 with white cement mixed with matching pigment etc., complete.								
	1	Size 300x300mm	3	1.80	2.40		12.96			
			1	3.00	2.40		7.20			

					Total =	20.16	sqm	692.00	13950.72
5	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)								
		22	1.50	0.30		9.90			
		22	1.50	0.15		4.95			
		2	1.50	1.50		4.50			
		1	3.30	1.65		5.45			
		1	2.00	1.65		3.30			
	STAIR	3	8.00	0.30		7.20			
		4	8.00	0.20		6.40			
		3	4.60	0.30		4.14			
		4	4.60	0.20		3.68			
					Total =	49.52	sqm	4200.00	207963.00
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.								
		13	50.00			650.00			
		2	150.00			300.00			
					Total =	950.00	Kg	67.50	64125.00
18	11.1 Providing and making 6mm thick cement plaster of mix								
	2 In Cement mortar 1:4 (1 cement : 4 fine sand)								
		1	20	13.00		260.0			
		13	1.80	0.60		14.04			
					Total	274.04	sqm	87.00	23841.48
19	11.2 Providing and making 12mm thick cement plaster of mix								
	4 In Cement Mortar 1:6 (1 cement : 6 fine sand)								
		3	20.00	4.50		270.00			
		2	13.00	4.50		117.00			
		2	20.00	0.60		24.00			
		2	13.00	0.60		15.60			
		2	6.60	3.30		43.56			
		2	3.80	3.30		25.08			
		2	9.30	1.00		18.60			
		2	6.30	1.00		12.60			
					Total	526.44	sqm	91.50	48169.26
20	11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:								

ement Mortar 1:6 (1 cement : 6
ne sand)

		2	11.40		3.30	75.24			
		2	7.60		3.30	50.16			
		2	3.60		3.30	23.76			
		2	4.00		3.30	26.40			
		2	4.00		3.30	26.40			
		2	16.00		3.30	105.60			
		2	8.00		3.30	52.80			
		2	5.50		3.30	36.30			
		1	8.00		3.30	26.40			
		2	3.00		3.30	19.80			
		2	2.40		3.30	15.84			
		4	1.80		3.30	23.76			
					Total	482.46	sqm	107.00	51623.22
21	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 even.							
						1282.94			
					Total	1282.94	sqm	94.50	121237.83
22	14.1	Wall painting with acrylic premium emulsion (plastic) paint of required shade to give an even shade.				756.50	sqm	44.50	33664.25
	1	On new work (Two or more coats)							
	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. complete with:							
		On new work (Two or more coats)							
						526.44	sqm	56.00	29480.64
26	8.138	Providing and fixing stainless steel door latch with 12mm rod, 2.5mm thick flap, necessary stainless steel screws etc complete.							
	2	250mm				10.00			
					Total	10.00	nos	85.00	850.00
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	10.00	nos	49.50	495.00

		Providing and fixing bright finished brass butt hinges with brass polished MS screws complete:							
30	8.143	8.58.1 125x85x5.50 mm (Heavy Providing and fixing stainless steel hanging door stopper with necessary stainless steel screws complete.				Total	17.00	nos	245.00 4165.00
	1	Single				Total	10.00	nos	47.00 470.00
35	14.22	Painting on new work (two or more coats) to give an even shade with:							
	2	Premium synthetic enamel paint	30	1.50	1.20		54.00		
			10	1.00	2.10		21.00		
						Total	75.00	sqm	47.00 3525.00
16	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 veneering	4	1.00	2.10		8.40		
						Total	8.40	sqm	1688.00 14179.20
18	8.152	Providing and fixing 30mm thick factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for styles and 15x15mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5mm thick heat moulded PVC 'C' channel of size 30mm thickness, 70mm width out of which 50mm shall be flat and 20mm shall be tapered in 45degree angle on either side forming styles; and 5mm thick, 95mm wide PVC sheet out of which 75mm shall be flat and 20mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115mm wide PVC sheet out of which	4	0.8		2.1	6.72	sqm	2832.00 19031.04
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.					300.00	kg	66.00 19800.00

		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 shall be anodized transparent or dyed to										
	9.47.1	For fixed portion					230.00	kg	331.00		76130.00	
37	9.47.2	For shutter of doors, windows & ventilators including providing and making provision for fixing of fitting wherever required including the cost of PVC/					210.00	kg	338.00		70980.00	
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):										
	9.51.2	With float glass panes of 5 mm thickness	13	1.80	1.50		35.10					
						Total =	35.10	sqm	708.00		24850.80	
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.									0.00	
	1	SS Grade 204					50.00	kg	467.00		23350.00	
										TOTAL=	3500627.78	
										SAY RS=		


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


 Sub Engineer
 Municipal Corporation
 Korba (C.G.)

ICE 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 leaving 10 mm gap for thermal expansion								
	1	75 mm dia pipe.	1	40.00			40.00	metre	182.00	7280.00
	2	110 mm dia pipe.	1	50.00			50.00	metre	267.00	13350.00
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					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 level white P.V.C. flushing cistern (same colour), conforming to IS : 7231, with all					2	each	4415.00	8830.00
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					4	each	1408.00	5632.00
	1	White 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								
	1	Tee/ Tee with door/ Bend 45°/ Bend 90°								
	1	75 mm					10.00	each	113.00	1130.00
	2	110 mm					10.00	each	154.00	1540.00
	3	Vent cover								
	1	75 mm					4.00	each	34.00	136.00
	6	Nahani trap 110x75mm					16.00	each	90.50	1448.00

		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer.										
	1	15 mm nominal outer dia. Pipes.				79.00	metre	110.00		8690.00		
	3	25 mm nominal outer dia. Pipes.				38.00	metre	199.00		7562.00		
	4	32 mm nominal outer dia. Pipes.				35.00	metre	271.00		9485.00		
8	19.13	Providing and fixing 15 mm nominal bore Brass bib/stop cock of										
	1	Bib cock (250 grams)				8.00	each	185.00		1480.00		
9	19.14	Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required:										
	6	Stop cock (concealed) (600 grams)				8.00	each	494.00		3952.00		
	4	Pillar Cock (400 grams)				4.00	each	398.00		1592.00		
10	19.15	Providing and fixing stainless steel drain jali of approved make/quality.				8.00	each	51.00		408.00		
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				4.00	each	436.00		1744.00		
	2	32 mm nominal bore.				4.00	each	510.00		2040.00		
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				4.00	each	4356.00		17424.00		
13	8.13	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		

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

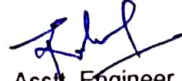
7.30

14600.00

TOTAL =

124777.00

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

S. N.	SO or 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 specification and IS: 694 (2010), IS: 9537 (2000 Part 5)								
	1	Short Point	70				70	Point	240.00	16800.00
	2	Medium Point	35				35	Point	376.00	13160.00
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)	10				10.00	Point	87.00	870.00
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	158.00			474.00	Metre	111.00	52614.00
		3 X 4 sq. mm in 25mm conduit	3	50.00			150.00	Metre	145.00	21750.00
4	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.								
	3	1400 mm sweep	24				24	Each	1773.00	42552.00
		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					4	EACH	3976.00	15904.00

[illegible]

	thing 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
15.2	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).							3734.00	
	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		1800.00
								36.00	
(b)TOTAL =									250149.75
Total=									3875554.53

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