

# कार्यालय, नगर पालिक निगम, कोरबा (छत्तीसगढ़)

फा.क्र. 1317 / निर्माण / 2023

सिस्टम टेंडर नं.128466

कोरबा दिनांक 21.03.2023


## 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 PWD Electrical SOR 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 है :-

क्र.	कार्य का नाम	प्राक्कलन राशि (लाख में)	धरोहर राशि	कार्यावधि	ठेकेदार का वर्ग	निविदा खुलने की तिथि
1	वार्ड क्र 33 अंतर्गत नवीन सभा गृह के समीप दुकानों का निर्माण कार्य	95.17	71500/-	08 माह	वर्ग डी एवं प्रवर श्रेणी	13.04.2023 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 उन्हे निविदा भरने की पात्रता नहीं होगी।
- इच्छुक ठेकेदारों को उचित वर्ग में पंजीयन की प्रमाणित प्रतिलिपि यदि साझेदारी फर्म हो तो उसका प्रमाण पत्र (पार्टनरशीप डीड ) की सत्य प्रतिलिपि, उपलब्ध तकनीकी अमले की जानकारी, 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।
- सम्पूर्ण किये गये कार्यों के लिए प्रत्येक चल देयकों में से 5 प्रतिशत सुरक्षा राशि 01 वर्ष के लिए एवं मरम्मत एवं संधारण मद को छोड़कर शेष कार्यों में 5 प्रतिशत परफार्मेंस सिक्यूरिटी की गारंटी के रूप में से 03 वर्ष के लिए रोकी जावेगी।
- जिन निविदाकारों द्वारा कर्मचारी भविष्य निधि संगठन एवं कर्मचारी राज्य बीमा निगम, रायपुर से पंजीयन कराकर कोड प्राप्त कर लिया हो वे निविदाकार ही निविदा हेतु पात्र होंगे।
- 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।
- निविदा में भाग लेने वाले ठेकेदारों को छ.ग. भवन और अन्य सन्निर्माण कर्मकार (नियोजन एवं सेवा शर्तों का विनियमन ) अधिनियम 1996 एवं तद्अंतर्गत 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 फ्लाइ ईश ब्रिक का उपयोग किया जाना अनिवार्य होगा।
- प्रयुक्त लोहा का बिल एवं टेस्ट रिपोर्ट तथा प्रयुक्त सीमेंट का बिल संलग्न करना अनिवार्य होगा।
- निविदा दरों असामान्य कमी प्रतीत होने पर सफल निविदा दाता से अनुबंध के पूर्व एस.ओ.आर. एवं निविदा दर की अंतर की राशि के समतुल्य परफार्मेंस गारंटी के रूप में राष्ट्रीयकृत बैंक एफ.डी.आर., पोस्ट ऑफिस, टाईम डिपॉजिट अथवा एन.एस.सी. जो कि आयुक्त नगर पालिक निगम, कोरबा के नाम पर देय होगा जो मांग तिथि से 15 दिवस के भीतर जमा करना अनिवार्य होगा। उपरोक्त राशि समयावधि में जमा न करने की दशा में निविदा स्वमेव निरस्त मानी जावेगी।
- निविदा अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नहीं किया जावेगा।
- निविदा के संबंध में किसी प्रकार की विवाद होने की स्थिति में आयुक्त का निर्णय अंतिम एवं सर्वमान्य होगा।
- निविदा स्वीकृत करने अथवा अस्वीकृत करने अथवा निरस्त करने का अधिकार नगर पालिक निगम के पास सुरक्षित रहेगा।
- उपरोक्त निविदा सूचना की विस्तृत प्रति नगर पालिक निगम, कोरबा के साकेत भवन स्थित निर्माण शाखा से प्राप्त किये जा सकते हैं।

  
 कार्यपालन अभियंता  
 नगर पालिक निगम  
 कोरबा (छत्तीसगढ़)

प्रतिलिपि-

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

**Date-Time Detail(s)**

Seq. No.	Nagar Nigam Stage	Contractor Stage	Start		Expiry		Remarks
			Date	Time	Date	Time	
1	Release Tender		21.03.23	13.30	21.03.23	13.30	Release Tender
2		Bid Submission	21.03.23	13.30	12.04.23	17.30	
3	Tender Open		13.04.23	10.30	--	--	

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

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

View SOR Rate to Vendor/Bidder  
 Vendor/Bidder

Name of work:- Construction of shops near Rampur Sabhagrih at ward no 33  
 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	66	1.80	1.80	1.50	320.76					
		wall	10	1.80	1.80	1.50	48.60					
			3	53.40	0.60	0.80	76.90					
		pipe line drainage	18	7.00	0.60	0.80	60.48					
		sewer line	1	160.00	0.60	0.60	57.60					
			1	150.00	1.00	1.20	180.00					
			1	6.00	4.00	2.10	50.40					
					Total	794.74	Cum	185.00	147026.16			
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.										
			66	5.60	0.30		110.88					
			66	3.20	0.4		84.48					
			66	1.00	1.2		79.20					
			10	6.40	0.300		19.20					
			10	4.00	0.500		20.00					
			10	1.20	1.200		14.40					
			6	57.00	0.300		102.60					
			38	8.20	0.300		93.48					
			4	4.80	0.300		5.76					
							Total	530.00	Sqm	139.00	73670.00	
		5	5	Columns, Pillars, Piers and likes-rectangular or square in shape								
					66	1.00		2.90	191.4			
					10	1.20		2.90	34.8			
						Total	226.20	sqm	297.00	67181.40		
7	7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)										
		slab	1	57.00	8.50		484.50					
		septic tank	1	5.90	3.90		23.01					
		chajja	1	57.00	0.60		34.20					
			2	8.20	0.60		9.84					
8	8	Beams, lintels, cantilevers & walls										
		top										
			6	57.00		0.30	102.60					
		lintel	38	8.20		0.30	93.48					
		4	55.00		0.20	44.00						

		18	6.40		0.20	23.04			
		10	6.40		0.40	25.60			
		5	6.40		0.20	6.40			
					Total	295.12	sqm	202.00	59614.24
	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
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							
		66	1.80	1.80	0.15	32.08			
		10	1.80	1.80	0.10	3.24			
		3	53.40	0.60	0.10	9.61			
		19	7.00	0.60	0.10	7.98			
		1	160.00	0.60	0.10	9.60			
		1	150.00	1.00	0.10	15.00			
		1	57.00	8.20	0.40	186.96			
		1	57.00	6.50	0.10	37.05			
		1	6.00	4.00	0.10	2.40			
					Total	303.92	Cum	371.00	112753.58
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).							
		66	1.60	1.60	0.15	25.34			
		10	1.80	1.80	0.10	3.24			
		3	53.40	0.60	0.10	9.61			
		19	7.00	0.60	0.10	7.98			
		1	160.00	0.60	0.10	9.60			
		1	150.00	1.00	0.10	15.00			
		1	57.00	8.20	0.10	46.74			
		1	57.00	6.50	0.10	37.05			
		1	6.00	4.00	0.10	2.40			
					Total	156.97	Cum	2659.00	417372.59
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 deposited layer by ramming and watering with							
					Total	794.74	Cum	65.00	51657.84

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

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

column c1	66	1.40	1.40	0.30	38.81				
	66	1	1	0.4	26.40				
c2	10	1.60	1.60	0.30	7.68				
	10	1.00	1.00	0.50	5.00				
column below plinth	66	0.20	0.30	1.20	4.75				
	10	0.20	0.40	1.20	0.96				
plinth beam	3	57.00	0.20	0.30	10.26				
	19	8.20	0.20	0.30	9.35				
	2	4.80	0.20	0.30	0.58				
column up to lintel	66	0.20	0.30	2.40	9.50				
	10	0.20	0.40	2.40	1.92				
lintel beam	3	57.00	0.20	0.20	6.84				
	2	8.20	0.20	0.20	0.66				
	16	6.40	0.20	0.20	4.10				
chajja	1	57.00	0.60	0.10	3.42				
	2	8.20	0.60	0.10	0.98				
column up to ground floor slab	66	0.20	0.30	0.50	1.98				
	10	0.20	0.40	0.50	0.40				
slab beam	3	57.00	0.20	0.30	10.26				
	19	8.20	0.20	0.30	9.35				
	2	4.80	0.20	0.30	0.58				
slab	1	57.00	8.50	0.13	60.56				
stair waist slab	2	2.45	1.50	0.15	1.10				
	11	1.50	0.30	0.15	0.74				
	2	3.20	1.50	0.15	1.44				
landing	76	0.20	0.30	0.90	4.10				
parapet	32	6.00	0.60	0.10	11.52				
loft	12	6.00	0.60	0.10	4.32				
				Total	237.56	Cum	4163.00	988960.20	
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			26131.545				
		110	237.56						
				Total	26131.55	kg	54.50	1424169.20	
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)							
	3	53.40	0.20	0.80	25.63				
	19	7.30	0.20	0.80	22.19				
	2	4.80	0.20	0.80	1.54				
	1	57.00	0.90	0.20	10.26				
	1	57.00	0.60	0.20	6.84				
	1	57.00	0.30	0.20	3.42				
				Total	69.88	Cum	3350.00	234098.00	
	super structure 7.5.3+7.6								
	2	53.40	0.20	2.90	61.94				

		1	53.40	0.20	0.90	9.61			
		19	6.00	0.20	2.90	66.12			
		2	4.80	0.20	2.90	5.57			
	parapet	1	57.00	0.20	0.90	10.26			
		2	8.20	0.20	0.90	2.95			
						Total	156.46	Cum	3471.00
							0.00	Cum	121
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:							
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.							
	5	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).							
		2	160.00	0.60	0.10	19.20			
		1	90.00	1.00	0.10	9.00			
		1	15.00	5.00	0.15	11.25			
		3	57.00	0.30	0.05	2.57			
						Total	42.02	Cum	4073.00
									171127.10
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	57.00	6.20		353.40			
		1	57.00	2.00		114.00			
		2	8.20	2.00		32.80			
						Total	500.20	sqm	1151.00
									575730.20
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							
	2	Size above 200x300mm							
		2	4.80		2.10	20.16			
		2	3.50		2.10	14.70			
		2	3.80		2.10	15.96			
		2	3.00		2.10	12.60			
						Total	63.42	sqm	587.00
									37227.54
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							

		Size 300x300mm	1	4.80	3.60		17.28				
			1	3.90	3.00		11.70				
			3	57.00	0.30		51.30				
			4	8.00	2.00		64.00				
			2	57.00	0.20		22.80				
						Total	167.08	sqm	692.00	115619.36	
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 polishing etc. complete. (Area of slab should be 0.50 sqm and above)									
	1										
			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				
						Total	28.10	sqm	4200.00	117999.00	
						=					
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.									
			18	50.00			900.00				
			18	40.00			720.00				
						Total	1620.00	Kg	67.50	109350.00	
						=					
17	9.11	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2mm and braced with flat iron diagonals 20x5mm size with top and bottom rails of T-iron 40x40x6mm with 38mm steel pulleys complete with bolts, nuts, locking arrangement stoppers, handles including applying a priming coat of stair									
			1	3.00		2.40	7.20				
						Total	7.20	sqm	3330.00	23976.00	
18	11.1	Providing and making 6mm thick cement plaster of mix									
	2	In Cement mortar 1:4 (1 cement : 4 fine sand)									
			1	57	8.20		467.4				
			1	57.00	0.60		34.20				
			2	8.20	0.60		9.84				
						Total	511.44	sqm	87.00	44495.28	
19	11.2	Providing and making 12mm thick cement plaster of mix									
	4	In Cement Mortar 1:6 (1 cement : 6 fine sand)									

			2	57.00		4.50	513.00			
			1	57.00		0.90	51.30			
			4	8.20		4.50	147.60			
						Total	711.90	sqm	91.50	65138.85
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 1:6 (1 cement : 6 fine sand)								
			36	6.00		3.30	712.80			
			2	57.00		3.30	376.20			
			2	57.00		0.90	102.60			
						Total	1191.60	sqm	107.00	127501.20
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.								
							2414.94			
						Total	2414.94	sqm	94.50	228211.83
22	14.1	Wall painting with acrylic premium emulsion (plastic) paint of required shade to give an even shade.					1703.04	sqm	44.50	75785.28
		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)								
							711.90	sqm	56.00	39866.40
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					66.00			
						Total	66.00	nos	85.00	5610.00
27	8.139	Providing and fixing stainless steel tower bolts (Barrel type) with necessary stainless steel screws etc complete.								
		3 150 x 10mm					105.00	nos	57.50	6037.50
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					36.00	nos	49.50	1782.00
29	8.58	Providing and fixing bright finished brass butt hinges with brass polished MS screws complete:								
		8.58.1 125x85x5.50 mm (Heavy					72.00	nos	245.00	17640.00



		Providing and fixing stainless steel hanging door stopper with necessary stainless steel screws complete.								
	1	Single								
31	9.27	Supplying and fixing rolling shutter of approved makes made of M.S. laths interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and out side locking with push and pull arrangement complete but excluding the cost of top cover and spring.				Total	18.00	nos	47.00	846.00
		9.27.2 80x1.20mm M.S. Laths		18	2.40	2.40	103.68			
						Total	103.68	sqm	1570.00	162777.60
32	9.28	Providing and fixing 27.5cm long wire spring for rolling shutters.					18.00	nos	362.00	6516.00
33	9.30	Providing and fixing ball bearing for rolling shutters.					18.00	nos	423.00	7614.00
34	9.29	Providing and fixing M.S. sheet top cover for rolling shutter								
	3	0.90mm thick		18	4.00		72.00			
				18	3.60		64.80			
						Total	136.80	nos	399.00	54583.20
35	14.22	Painting on new work (two or more coats) to give an even shade with:								
	2	Premium synthetic enamel paint		36	2.40	2.40	207.36			
				36	1.00	1.20	43.20			
				2	3.00	2.40	14.40			
						Total	264.96	sqm	47.00	12453.12
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 ± 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		6	0.80	2.10	10.08			
						Total	10.08	sqm	2399.00	24181.92
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.					800.00	kg	66.00	52800.00

		Providing and fixing aluminium work for doors, windows, ventilators and partitions made out of extruded aluminium standard sections (mainsection with minimum 1.5mm thickness) conforming to IS: 733, IS: 1285mitred 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						620.00	kg	331.00	205220.00
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/						520.00	kg	338.00	175760.00
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	18	1.50	1.20			32.40			
							Total =	32.40	sqm	708.00	22939.20
											0.00
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						350.00	kg	467.00	163450.00
			..								..
										TOTAL=	6904243.81



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



Sub Engineer  
Municipal Corporation  
Korba (C.G.)

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

Construction of shops near Rampur at ward no 33

As per SOR Schedule of rates public works department (P.W.D 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	30.00		30.00	metre	182.00	5460.00	
	2	110 mm dia pipe	150.00		150.00	metre	267.00	40050.00	
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				4	each	2899.00	11596.00
	3	White Orissa pattern W.C. pan of size 580x440 mm							
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				2	each	2899.00	5798.00
	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			2.00	each	113.00	226.00	
	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			6.00	each	90.50	543.00	
7	19.4	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							
	1	15 mm nominal outer dia .Pipes.			150.00	metre	110.00	16500.00	
	3	25 mm nominal outer dia .Pipes.			30.00	metre	199.00	5970.00	

	4	32 mm nominal outer dia .Pipes.					55.00	metre	271.00	14905.00
19.13		Providing and fixing 15 mm nominal bore Brass bib/stop cock of								
	1	Bib cock (250 grams)								
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:					18.00	each	185.00	3330.00
	6	Stop cock (concealed) (600 grams)					8.00	each	494.00	3952.00
	4	Piller Cock (400 grams)					2.00	each	398.00	796.00
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 <sup>2</sup> 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	18.14	Providing and fixing white vitreous china urinal basin as per IS : 2556 complete:								
	2	Flat back type urinal of size 460x380x250mm					8.00	each	872.00	6976.00
14	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
<b>TOTAL =</b>										<b>153994.00</b>

Say Rs.=

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

  
 Sub Engineer  
 Municipal Corporation  
 Korha (C.G.)

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

of work :- Internal Electrification

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 specification and IS: 694 (2010), IS: 9537 (2000 Part 5)								
	1	Short Point	108				108	Point	240.00	25920.00
	2	Medium Point	45				45	Point	376.00	16920.00
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)	15				15.00	Point	87.00	1305.00
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	18	120.00			2160.00	Metre	111.00	239760.00
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	54				54	Each	1773.00	95742.00
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	90				90.00	Each	588.00	52920.00
	8.22.6	15 Watt	18				18.00	Each	679.00	12222.00

	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	54				54.00	Each	130.00	7020.00
5.1.13	Ceiling rose 3 pin 5 amps	54				54.00	Each	32.00	1728.00
5.1.15	Batten/ angle holder	108				108.00	Each	38.00	4104.00
7 9.1	Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as per specification, IS/ IEC: 60947-2 and Ics = 100 % Icu.								
11.17.2	3 pole MCCB, 25-63A, Fixed Thermal Release, 10KA	20				20.00	Each	1483.00	29660.00
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	2				2.00	each	989.00	1978.00
	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.	2	1.50	1.50	1.50	6.75	cum	162.00	1093.50
	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)	2					2.00	each	6486.00
	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)						3.00	each	11202.00
								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, Part 1).								
2 x 4 sq. Mm	1	200.00			200.00	Metre	175.00	35000.00
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	200.00			200.00	Metre		7200.00
							36.00	
(b)TOTAL =								550260.50
Total=								7608498.31




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

## DETAILED ESTIMATE


Name of work:- septic tank

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 50m (at least 5m away from the								
		1 In all types of soil								
		1 In all types of soil	1	6.00	5.00	2.10	63.00			
						Total=	63.00	Cum	185.00	11655
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	6.00	5.00	0.10	3.00			
						Total=	3.000	Cum	371.00	1113
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	6.00		0.20	2.40			
			2	4.00		0.20	1.60			
						Total=	4.00	Sqm	139.00	556.00
		2 Wall of any thickness including attached pilasters, buttresses								
			4	6.00		1.80	43.20			
			6	4.00		1.80	43.20			
			32	1.00		1.80	57.60			
						Total=	144.00	Sqm	228.00	32832.00
		7 suspended floor roofs	1	5.60	4.40		24.64			
			4	1.20	1.20		5.76			
						Total=	30.40	Sqm	235.00	7144.00
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	6.00	5.00	0.10	3.00			
						Total=	3.000	Cum	2659.00	7977
		3.2 Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto								



		3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm)							
	raft	1	5.60	4.40	0.20				
	wall	2	5.60	0.20	1.80	4.93			
		3	4.00	0.20	1.80	4.03			
	slab	1	5.60	4.40	0.15	3.70			
		4	1.40	1.40	0.15	1.176			
		16	1.20	0.20	1.80	6.912			
		4	1.20	1.20	0.15	0.864			
					Total=	25.93	Cum	4163.00	107938.264
9	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	80	25.93	Total=	2074.24	Kg	54.50	113046.08
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	200.0		200.0			
					Total=	200.00	M	1128.00	225600
6	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
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)				13.000	Cum	99.00	1287
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				50.000	Cum	65.00	3250.0
								TOTAL =	525598.34
								Say Rs.=	

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

  
 Sub Engineer  
 Municipal Corporation  
 Korba (C.G.)

**OFFICE OF THE NAGAR PALIK NIGAM, KORBA ( C.G.)**

**DETAILED ESTIMATE**

Name of Work : LAYING OF PAVER BLOCK  
 as per SOR : SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD BUILDING-01.01.2015]


SN	REF	ITEM DESCRIPTION	N	L	B	H/D	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 pits.								
	1.1	In all types of soils.								
			1	60.00	8.50	0.30	153.00			
			8	8.50	0.40	0.40	10.88			
			2	60.00	0.40	0.40	19.20			
							<b>Total</b>	183.08	cum	185.00
										33869.80
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 and watering, including dressing etc. complete.								
			1	60.00	8.50	0.10	51.00			
			8	8.50	0.40	0.10	2.72			
			2	60.00	0.40	0.10	4.80			
							<b>Total</b>	58.52	cum	371.00
										21710.92
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.								
	1.2	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).								




REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
		1	60.00	0.50	0.10	61.00			
		8	8.50	0.40	0.10	2.72			
		2	60.00	0.40	0.10	4.80			
					<b>Total</b>	68.52	cum	2659.00	155604.98
15	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
		2	60.00	2.00	0.10	24.00			
		2	8.50	2.00	0.10	3.40			
					<b>Total</b>	27.40	cum	4073.00	111690.20
4	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:								
	5.3 Cement Mortar 1:5 (1 cement : 5 coarse sand)								
		2	60.00	0.30	0.80	28.80			
		8	8.50	0.30	0.80	16.32			
					<b>Total</b>	45.12	cum	3350.00	151152.00
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:					45.12	cum	121.00	5459.52
6	11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:								
	3.4 In Cement Mortar 1:6 (1 cement : 6 fine sand)								
		4	60.00		0.40	96.00			
		16	8.50		0.40	54.40			
					<b>Total</b>	150.40	sqm	107.00	16092.80
7	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 fine sand including leveling with surface vibrator, temping and sweeping etc. complete of minimum compressive								

REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
65.2	strength of 250 kg/sq.cm Pigment Coloured (rubber mould) precast interlock concrete blocks								
		1	60.00	8.50		510.00			
					<b>Total</b>	510.00	sqm	632.00	322320.00
8 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:								
15.1	On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)					150.40	sqm	56.00	8422.40

As per Estimate Amount Rs. **826232.32**  
Say Rs.

  
Sub Engineer  
Nagar Palik Nigam  
korba (C.G.)

  
Assit. Engineer  
Nagar Palik Nigam  
Korba (C.G.)

**OFFICE OF THE NAGAR PALIK NIGAM, KORBA (C.G.)**

**DETAILED ESTIMATE**

Name of Work : DRAIN

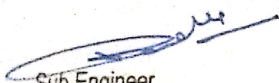
As per SOR : SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD BUILDING-01.01.2015]


SN	REF	ITEM DESCRIPTION	N	L	B	H/D	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 pits.								
	1.1	In all types of soils.	1	100.00	1.10	1.10	121.00	cum	185.00	22385.00
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 and watering, including dressing etc. complete.	1	100.00	1.10	0.10	11.00	cum	371.00	4081.00
3	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 deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.					60.00	cum	65.00	3900.00
4	2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
	1.1	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	2	100.00		0.20	40.00	sqm	139.00	5560.00
	1.2	Wall of any thickness including attached pilasters, buttresses etc. in super structure.	2X2	100.00		0.60	240.00	sqm	228.00	54720.00



REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
1.7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	1	100.00	0.60		60.00	sqm	235.00	14100.00
5 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.								
1.2	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).	1	100.00	1.10	0.10	11.00	cum	2659.00	29249.00
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 of form work.								
2.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
	-RAFT	1	100.00	1.00	0.20	20.00			
	-WALL	2	100.00	0.20	0.60	24.00			
	-SLAB	1	100.00	1.00	0.15	15.00			
					<b>Total</b>	59.00	cum	4163.00	245617.00
7 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 all complete:								
12.1	Thermo-Mechanically treated bars FE 415	59	55.00			3245.00			
					<b>Total</b>	3245.00	kg	54.50	176852.50

As per Estimate Amount Rs. **556464.50**  
Say Rs.

  
Sub Engineer  
Nagar Palik Nigam  
korba (C.G.)

  
Asslt. Engineer  
Nagar Palik Nigam  
Korba (C.G.)