

# कार्यालय, नगर पालिक निगम, कोरबा (छ.ग.)

फा.क. /28/निर्माण /2021

सिस्टम टेन्डर नं. 100072  
द्वितीय ई-निविदा आमंत्रण सूचना

कोरबा, दिनांक 18.05.2022

लोक निर्माण विभाग से एकीकृत पंजीयन प्रणाली अंतर्गत सक्षम श्रेणी में पंजीकृत ठेकेदारों से निम्नलिखित कार्यों हेतु प्रमुख अभियन्ता लोक निर्माण विभाग, रायपुर द्वारा (भवन) दिनांक 01.01.2015 से प्रभावशील दर पर (निविदा खुलने के दिनांक तक समस्त संशोधनों के साथ) कम अधिक या समान दरों पर तथा शेड्यूल अनुसार आयटम दरों पर निम्नलिखित निर्माण कार्य हेतु ऑनलाईन ई-निविदा आमंत्रित की जाती है :-

क्र.	कार्य का नाम	प्राक्कलन राशि लाख में	धरोहर राशि रु में	कार्यावधि	ठेकेदार का वर्ग	निविदा खुलने की तिथि
1	वार्ड क 14 पंप हाउस अंग्रेजी माध्यम स्कूल में डायनिंग हॉल का निर्माण कार्य	40.29	30250.00	06 माह	वर्ग डी एवं प्रवर श्रेणी	04.06.2022 से

शर्त:-

- निविदा दरे प्रचलित सी.एस.आर.से कम या अधिक प्रतिशत दरों पर दिया जावे सी.एस.आर.के अंतर्गत के आयटमों पर पृथक से आयटम दरों का उल्लेख करने पर निविदा निरस्त मानी जावेगी।
- जिन ठेकेदारों द्वारा नगर पालिक निगम (साडा) के किसी ठेके के कार्य में अनुबंध के अनुरूप कार्य न किया गया हो अथवा नगर पालिक निगम (साडा) के हित के विरुद्ध कार्य किया गया हो उन्हें निविदा भरने की पात्रता नहीं होगी।
- इच्छुक ठेकेदारों को उचित वर्ग में पंजीयन की प्रमाणित प्रतिलिपि यदि साझेदारी फर्म हो तो उसका प्रमाण पत्र (पार्टनरशीप डीड ) की सत्य प्रतिलिपि, पूर्व में इस प्रकार के किये गये कार्यों की प्रमाणित सूची, उपलब्ध तकनीकी अमले की जानकारी, आयकर प्रमाण पत्र/पैन 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 सेकी 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 तदंतर्गत निर्धारित नियमों के तहत पंजीयन कराना आवश्यक होगा तथा निर्माण लागत का 1 प्रतिशत उपकर के रूप में प्रत्येक देयक से कटौती की जावेगी।
- ईट से संबंधित निर्माण कार्यों में प्लाई एश ब्रिक का उपयोग किया जाना अनिवार्य होगा।
- प्रयुक्त लोहा का बिल एवं टेस्ट रिपोर्ट तथा प्रयुक्त सीमेंट का बिल संलग्न करना अनिवार्य होगा।
- निविदा दरों असामान्य कमी प्रतीत होने पर सफल निविदा दाता से अनुबंध के पूर्व एस.ओ.आर. एवं निविदा दर की अंतर की राशि के समतुल्य परफार्मेंस गारंटी के रूप में राष्ट्रीयकृत बैंक एफ.डी.आर., पोस्ट ऑफिस, टाईम डिपॉजिट अथवा एन.एस.सी. जो कि आयुक्त नगर पालिक निगम, कोरबा के नाम पर देय होगा जो मांग तिथि से 15 दिवस के भीतर जमा करना अनिवार्य होगा। उपरोक्त राशि समयावधि में जमा न करने की दशा में निविदा स्वमेव निरस्त मानी जावेगी।
- निविदा अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नहीं किया जावेगा।
- निविदा 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 अभियन्ता  
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		18.05.22	20.30	18.05.22	20.30	Release Tender
2		Bid Submission	18.05.22	20.30	03.06.22	17.30	
3	Tender Open		04.06.22	10.30	--	--	

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



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

## DETAILED ESTIMATE

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Work:- Construction of Dining hall at Higher secondary school pump house (New English Medium school) at ward no. 14

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								
	1	In all types of soil								
		column	20	1.80	1.80	1.50	97.20			
			3	14.80	0.60	0.80	21.31			
			2	10.40	0.60	0.80	9.98			
			5	3.10	0.60	0.80	7.44			
			1	17.90	1.20	0.30	6.44			
			1	11.20	1.50	0.30	5.04			
			1	11.20	6.00	0.30	20.16			
						Total	167.58	Cum	185.00	31002.30
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								
		raft c1	20	4	1.70	0.35	47.60			
		footing	20	4	1.00	0.60	48.00			
			20	1	0.20	1.20	4.80			
			3	2	16.50	0.30	29.70			
			5	2	3.10	0.30	9.30			
			2	2	7.50	0.30	9.00			
						Total	148.40	Sqm	139.00	20627.60
	5	Columns, Pillars, Piers and likes- rectangular or square in shape								
			20	1.0		3.6	72.0			
						Total	72.00	sqm	297.00	21384.00
	7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)								
		SLAB	1	16.50	3.50		57.75			
			2	16.50	0.125		4.13			
			2	3.50	0.125		0.88			
			2	13.40	0.600		16.08			
			2	17.70	0.600		21.24			
						Total	100.07	sqm	235.00	23516.45
	8	Beams, lintels, cantilevers & walls								

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		6	16.50	0.20		19.80			
		4	7.50	0.20		6.00			
		10	3.10	0.20		6.20			
		6	16.50	0.20		19.80			
		4	7.50	0.20		6.00			
		10	3.10	0.20		6.20			
					Total	64.00	sqm	202.00	12928.00
1.18	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including column	20	1.80	1.80	0.10	6.48			
		3	14.80	0.60	0.10	2.66			
		2	10.40	0.60	0.10	1.25			
		5	3.10	0.60	0.10	0.93			
		1	16.10	10.60	0.60	102.40			
		1	17.90	1.20	0.10	2.15			
		1	11.20	1.50	0.10	1.68			
		1	11.20	6.00	0.10	6.72			
					Total	113.72	Cum	371.00	42189.38
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	20	1.80	1.80	0.15	9.72			
		3	14.80	0.60	0.15	4.00			
		2	10.40	0.60	0.15	1.87			
		5	3.10	0.60	0.15	1.40			
		1	16.10	10.60	0.15	25.60			
		1	17.90	1.20	0.10	2.15			
		1	11.20	1.50	0.10	1.68			
		1	11.20	6.00	0.10	6.72			
					Total	42.58	Cum	2659.00	113225.54
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	167.58	Cum	65.00	10892.70
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								
	1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
	raft c1	20	1.70	1.70	0.35	20.23			
	footing	20	1.00	1.00	0.60	12.00			
	column below plinth	20	0.20	0.300	1.20	1.44			
	plinth beam	3	16.50	0.200	0.30	2.97			
		5	3.10	0.200	0.30	0.93			
		2	7.50	0.200	0.30	0.90			
					Total	38.47	Cum	4163.00	160150.61

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Structure 3.2.1+3.4									
	C1	20	0.20	0.30	3.30	3.96			
	lintel	3	16.50	0.20	0.20	1.98			
		2	7.50	0.20	0.20	0.60			
		5	3.10	0.20	0.20	0.62			
	TOP BEAM	3	16.50	0.20	0.20	1.98			
		2	7.50	0.20	0.20	0.60			
		5	3.10	0.20	0.20	0.62			
	slab	1	16.50	3.50	0.13	7.22			
	plate form	1	3.70	0.60	0.10	0.22			
		1	7.00	0.60	0.10	0.42			
	chajja	2	13.40	0.60	0.10	1.61			
	chajja	2	17.70	0.600	0.10	2.12			
		1	2.20	3.100	0.15	1.02			
		12	0.20	0.300	0.80	0.58			
		4	0.20	0.300	3.00	0.72			
					Total	24.27	Cum	4260.00	103397.66
7	3.4					0.00	Cum	97.50	
8	3.12								
		110		62.74		6901.59			
					Total	6901.59	kg	54.50	376136.79
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	14.80	0.20	0.80	7.10			
		2	10.40	0.20	0.80	3.33			
		5	3.10	0.20	0.80	2.48			
					Total	12.91	Cum	3350.00	43255.20
	super structure 7.5.3+7.6								
		3	14.80	0.20	2.90	25.75			
		2	10.40	0.20	2.90	12.06			
		5	3.10	0.20	2.90	8.99			
		1	7.90	0.20	2.00	3.16			
		2	16.50	0.20	0.80	5.28			
		1	3.00	0.20	2.90	1.74			
		1	11.20	0.20	3.00	6.72			
		5	0.60	0.20	4.20	2.52			
					Total	66.23	Cum	3471.00	229870.45
10	7.6					66.23	Cum	121	
	Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:								

Keep



		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	16.10	10.60		170.66		
						Total	170.66	sqm	1151.00
12	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							196429.66
	1	Size 300x300mm	1	11.20	1.80		20.16		
			1	17.90	1.20		21.48		
			1	11.20	6.00		67.20		
			1	3.10	2.50		7.75		
						Total	116.59	sqm	692.00
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							80680.28
		Size above 200x300mm							
			4	16.50		2.10	138.60		
			2	11.20		2.10	47.04		
			7	3.10		2.10	45.57		
						Total	231.21	sqm	646.00
14	12.46	15 mm thick Table rubbed polished Granite stone slab in risers and treads of steps skirting dado and pillars laid on 12mm (Average) thick base of cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry including rubbing and polishing etc. complete (single stone is to be used for risers and treads of steps and width of stone for skirting and dado shall be equal to the height of skirting & dado and length of 1.0 m).							
	1	Granite stone lakha red/ shahi red							
			1	3.50	0.75		2.63		
			1	7.00	0.75		5.25		
			6	2.00	1.65		19.80		

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				Total =	27.68	sqm	4200.00	116235.00
					650.00			
				Total =	650.00	Kg	67.50	43875.00
16	11.1	Providing and making 6mm thick cement plaster of mix						
	2	In Cement mortar 1:4 (1 cement : 4 fine sand)						
			1	16.5	11.20			
					184.8			
				Total	184.80	sqm	87.00	16077.60
17	11.2	Providing and making 12mm thick cement plaster of mix						
	4	In Cement Mortar 1:6 (1 cement : 6 fine sand)						
			2	16.50	4.60	151.80		
			2	7.20	4.60	66.24		
			2	3.40	4.60	31.28		
				Total	249.32	sqm	91.50	22812.78
18	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)						
			4	16.50	3.60	237.60		
			9	3.10	3.30	92.07		
			2	7.20	3.60	51.84		
			4	16.50	0.80	52.80		
			4	7.20	0.80	23.04		
				Total	457.35	sqm	107.00	48936.45
19	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.						
					891.47			
				Total	891.47	sqm	94.50	84243.92
20	14.1	Wall painting with acrylic premium emulsion (plastic) paint of required shade to give an even shade.			642.15	sqm	44.50	28575.68
	1	On new work (Two or more coats)						
21	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						
		On new work (Two or more coats)						
					457.35	sqm	56.00	25611.60



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		Providing and fixing flush door shutters, conforming to IS : 2202 (Part-I), decorative type core of block board construction with frame of first class hard wood and well matched teak ply veneering with vertical grains or cross bands and face veneers on both faces of shutters excluding 35 mm. thick (single leaf)	9	1.00	2.10	18.90			
					Total	18.90	sqm	2005.00	37894.50
23	8.138	Providing and fixing stainless steel door latch with 12mm rod, 2.5mm thick flap, necessary stainless steel screws etc complete.							
		2 250mm				15.00			
					Total	8.00	nos	85.00	680.00
24	8.139	Providing and fixing stainless steel tower bolts (Barrel type) with necessary stainless steel screws etc complete.							
		3 150 x10mm			Total	15.00	nos	57.50	862.50
25	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	15.00	nos	49.50	742.50
26	8.58	Providing and fixing bright finished brass butt hinges with brass polished MS screws complete:							
		8.58.1 125x85x5.50 mm (Heavy			Total	20.00	nos	245.00	4900.00
27	8.143	Providing and fixing stainless steel hanging door stopper with necessary stainless steel screws complete.							
		1 Single			Total	3.00	nos	47.00	141.00
28	14.22	Painting on new work (two or more coats) to give an even shade with:							
		2 Premium synthetic enamel paint							
			10	0.75	2.10	15.75			
			24	1.80	1.20	51.84			
			1	3.00	1.20	3.60			
			5	0.90	0.60	2.70			
					Total	73.89	sqm	47.00	3472.83

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		Providing and fixing aluminium work 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					320.00	kg	331.00	105920.00
30	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/					280.00	kg	338.00	94640.00
31	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	12	1.50	1.20		21.60			
						Total =	21.60	sqm	708.00	15292.80
32	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
33	9.61	Providing and fixing aluminium composite panels in approved panel sizes, thickness and shape on aluminium frame work on face of building. (Frame to be paid separately)								
	1	4mm thick								
		front main building	1	11.2		6.80	76.16			
			4	2.0		8.00	24.00			
							100.16	sqm	1745.00	174779.20

2001

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4.4

	inding and fixing 97mm thick psum board partition upto ceiling height consisting of frame work "W" / "U" / "L" sections made of G.I. sheet with zinc coating of grade 120, consisting of floor and ceiling channel 50mm wide having equal flanges of 32mm and 0.55mm thick fixed to the floor and ceiling at the spacing of 610mm centre to centre with dash fastener of 12.5mm diameter 40mm length and the studs 48mm wide having one flange of 34mm and other flange 36mm and 0.55mm thick fixed vertically within flanges of floor and ceiling channel							
		1	16.1	7.5		120.75		
		2	16.1	0.6		19.32		
		2	7.5	0.6		9.00		
		6	7.5	0.9		40.50		
						189.57	sqm	758.00 143694.06
35	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer.							
	9.3.1 Electric resistance or induction butt welded tubes Grade-250							
						8000.00		
					Total	8000.00	kg	88.50 708000.00
	10.1 Extra for providing and fixing wind ties of 40x6mm flat iron section.	6	16.5			99.00	m	118.00 11682.00

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		ly and fixing of precoated TILE TERN profile sheets of approved make, colour, over all size, corrugation shape and pitch, having total coated thickness (TCT) 0.45 mm (approx weight 4.9 kg/sqm) with Zn-Al coating and superior paint and having yeild strength of 550 MPa. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.							
			2	17.9		5.2	186.16		
						Total	186.16	sqm	693.00 129008.88
37	10.16	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete :							
	10.16.1	Ridges plain (500-600mm)	1	17.9			17.90		
						Total	17.90	metr	552.00 9880.80
									TOTAL= 3466357.36
									SANITATION 108544.00
									internal electrification 155504.13
									TOTAL= 3730405.48
									add 8 % supervision charge 298432.44
									TOTAL= 4028837.92
									Say Rs.= 4029000.00

*Executive Engineer,*  
Municipal Corporation, Korba  
Distt. - KORBA (C. G.)

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

*Sdb Engineer*  
Municipal Corporation  
Korba (C.G.)

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

## DETAILED ESTIMATE

(21)  
(46)

Construction of Dining hall at Higher secondary school pump house (New English medium school) at ward no. 14

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 etc complete.										
	1	75 mm dia pipe.	1	20.00			20.00	metre	182.00		3640.00	
	2	110 mm dia pipe.	1	40.00			40.00	metre	267.00		10680.00	
2	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	2899.00		5798.00	
	1	White Size 550x450 mm										
3	18.77	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.										
	1	Tee/ Tee with door/ Bend 45°/ Bend 90°										
	1	75 mm					2.00	each	113.00		226.00	
	2	110 mm					5.00	each	154.00		770.00	
	3	Vent cover										
	1	75 mm					4.00	each	34.00		136.00	
	6	Nahani trap 110x75mm					2.00	each	90.50		181.00	
4	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 Engineer in Charge.										
	1	15 mm nominal outer dia .Pipes.					300.00	metre	110.00		33000.00	

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12 mm nominal outer dia .Pipes.

60.00

metre

189.00

11940.00

2 mm nominal outer dia .Pipes.

50.00

metre

271.00

13550.00

13 Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality:

1 Bib cock (250 grams)

20.00

each

185.00

3700.00

6 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)

2.00

each

494.00

988.00

4 Piller Cock (400 grams)

2.00

each

398.00

796.00

7 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 tank.

2000.00

litre

7.30

14600.00

8 18.21 Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink with drain board as per IS 13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required :

1.00

nos

8539.00

8539.00

1040x510 mm bowl size  
460x410x200 mm

TOTAL = 108544.00

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

Sub Engineer  
Municipal Corporation  
Korba (C.G.)

Executive Engineer,  
Municipal Corporation, Korba  
Distt - KORBA (C. G.)

(23)  
(46)

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

### DETAILED ESTIMATE

Specification of Dining hall at Higher secondary school pump house (New English Medium School) at ward no. 14

As per SOR: Schedule of rates public works department [PWD ELECTRICAL-01-07-2015] PART- B

S.N.	SOR Ref.	ITEM DESCRIPTION	NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
1	4.1	Wiring for light/ fan/ exhaust fan / call bell point with 1.5 sqmm FR PVC insulated stranded copper conductor single core cable in surface PVC conduit, with 5 amp piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with same size cable etc as required.								
	1	Short Point	40				40	Point	213.00	8520.00
	2	Medium Point	25				25	Point	356.00	8900.00
	3	Long Point	5				5	Point	506.00	2530.00
2	4.3	Extra for providing and fixing light plug point on board in surface PVC conduit point wiring with piano type 3 pin 5 amp socket outlet and 5 amp switch including cost of phenolic laminated sheet and M.S. box etc. as required. etc. as required.	5				5.00	Point	95.00	475.00
3	4.13	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface PVC conduit etc as required.								
	4.13.1	3 X 1.5 sq. mm in 20mm conduit	1	280.00			280.00	Metre	74.00	20720.00
	4.13.2	3 X 2.5 sq. mm in 20mm conduit	1	180.00			180.00	Metre	95.00	17100.00
	4.13.6	3 X 4 sq. mm in 25mm conduit	1	80.00			80.00	Metre	130.00	10400.00
4	8.1	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 FR PVC insulated, copper conductor, single core cable, earthing etc. complete as required.								

2004



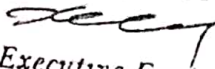
		400 mm sweep	12				12	Each	1637.00	19644.00
		Supplying, fixing, testing and commissioning of following LED lamps with inbuilt electronic driver heat sink and all other accessories in existing holder/ luminaries as required and furnishing 2 Yrs Guarantee certificate from manufacturer.								
	8.22.4	9 Watt	20				20.00	Each	973.00	19460.00
	8.22.5	12 Watt	20				20.00	Each	1420.00	28400.00
6	7.1	Supplying and fixing following piano type switch, socket, other accessories on the existing switch box/ cover including connections etc. as required.								
	7.1.12	Fan regulator Electronic, step type moving all round	12				12.00	Each	178.00	2136.00
	7.1.13	Ceiling rose 3 pin 5 amps	12				12.00	Each	28.00	336.00
	7.1.15	Batten/ angle holder	20				20.00	Each	37.50	750.00
7	11.17	Supplying and fixing TP&N MCB, 440 volts, 'D' curve, suitable for inductive/ motor load in the existing MCB DB complete with connections, testing and commissioning etc. as required.								
	11.17.2	6 amps to 32 amps	6				6.00	Each	960.00	5760.00
8	34.54	Providing of metal clad, TP&N switch fuse unit (re-wirable), 415/500 volts, with porcelain re-wirable fuses as required.								
	1	32 amps	6				6.00	Each	749.00	4494.00
9	32.1	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 required.	1	1.50	1.50	1.50	3.38	cum	163.00	550.13
10	14.2	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 required.	1				1.00	Set	3454.00	3454.00
11	14.18	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	50				50.00	Metre	37.50	1875.00
	34.26	4' x 28 W T-5 single box type with decorative end caps	12				12.00	each	529.00	6348.00


25


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supplying of following 230/250 volts fluorescent lamp (tube) 4' x 28 watt (T-5)	12				12.00	each	126.00	1512.00
TOTAL =								155504.13

  
Executive Engineer,  
Municipal Corporation, Korba  
Distt - KORBA (C. G.)

  
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