

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

फा.क./निर्माण /2019 / 463

सिस्टम टेन्डर नं. 50584
ई-निविदा आमंत्रण सूचना


कोरबा, दिनांक 07/03/2019

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, (विद्युत) दिनांक 01.07.2015 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 अंतिम तिथि
1	वार्ड क 10 सीतामणी में सामुदायिक भवन का निर्माण कार्य	40.93	30700/-	06 माह	वर्ग डी एवं प्रवर श्रेणी	29.03.2019 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 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 देना 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 फ्लाइ 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)

Date-Time Detail(s)

Seq. No.	Nagar Nigam Stage	Contractor Stage	Start		Expiry		Remarks
			Date	Time	Date	Time	
1	Release Tender		06.03.19	10.30	06.03.19	10.30	Release Tender
2		Bid Submission	06.03.19	10.30	28.03.19	17.30	
3	Tender Open		29.03.19	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 Community building at Sitamani ward no 10

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	19	1.90	1.90	2.10	144.04			
			6	1.50	1.50	1.50	20.25			
		below plinth	4	12.80	1.00	1.20	61.44			
			3	17.80	1.00	1.20	64.08			
			2	3.80	1.00	1.20	9.12			
			2	1.00	1.00	1.20	2.40			
			4	2.00	0.60	0.60	2.88			
		porch	1	10.00	1.00	1.20	12.00			
			1	6.40	1.00	1.20	7.68			
		plinth protection	2	3.30	1.00	1.20	7.92			
			2	21.20	0.50	0.50	10.60			
			2	16.40	0.50	0.50	8.20			
			2	3.50	5.00	0.50	17.50			
		septic tank	1	4.60	3.60	2.40	39.74			
		pipe line drainage	1	50.00	0.60	0.60	18.00			
						Total	425.85	Cum	185.00	78782.81
	1.6	Extra for every additional lift of 1.5 m or part thereof.	19	1.9	1.9	0.6	41.15	cum	26.50	1090.58
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	19	4	1.60	0.35	42.56			
		footing	19	4	1.1	0.60	50.16			
		raft c2	6	4	1.4	0.30	10.08			
		footing	6	4	0.900	0.60	12.96			
		column below plinth	19	2	0.400	2.40	36.48			
			19	2	0.200	2.40	18.24			
			6	4	0.200	2.40	11.52			
		plinth beam	4	2	14.400	0.40	46.08			
			3	2	19.200	0.40	46.08			
			4	2	5.000	0.40	16.00			
			1	2	10.000	0.40	8.00			
			4	2	2.000	0.30	4.80			
						Total	302.96	Sqm	139.00	42111.44

5	Columns, Pillars, Piers and likes- rectangular or square in shape								
		17	1.2		2.1	42.84			
		2	1.2		3	7.2			
		6	0.8		2.1	10.08			
		15	1.2		1.1	19.8			
		6	0.8		1.1	5.28			
					Total	85.20	sqm	297.00	25304.40
7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)								
	SLAB	1	19.20	14.40		276.48			
		2	19.20	0.125		4.80			
		2	14.40	0.125		3.60			
	chajja	8	1.80	0.600		8.64			
		8	3.00	0.100		2.40			
	PORCH	1	7.20	3.700		26.64			
					Total	322.56	sqm	235.00	75801.60
8	Beams, lintels, cantilevers & walls								
		4	19.20	0.20		15.36			
		4	14.40	0.20		11.52			
		2	5.20	0.20		2.08			
		8	2.00	0.20		3.20			
		4	3.30	0.20		2.64			
		2	4.10	0.20		1.64			
		4	19.20	0.20		15.36			
		4	14.40	0.20		11.52			
		2	5.20	0.20		2.08			
		8	2.00	0.20		3.20			
		4	3.30	0.20		2.64			
		2	4.10	0.20		1.64			
		4	9.30	0.40		14.88			
		2	19.20	0.40		15.36			
		2	10.40	0.40		8.32			
		2	9.30	0.20		3.72			
		1	19.20	0.20		3.84			
		1	10.40	0.20		2.08			
		2	7.20	0.40		5.76			
		4	3.70	0.40		5.92			
					Total	132.76	sqm	202.00	26817.52
3	1.18 Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including								
	column	19	1.90	1.90	0.15	10.29			
		6	1.50	1.50	0.15	2.03			
	below plinth	4	12.80	1.00	0.15	7.68			
		3	17.80	1.00	0.15	8.01			
		2	3.80	1.00	0.15	1.14			
		2	1.00	1.00	0.15	0.30			
		4	2.00	0.60	0.15	0.72			
	porch	1	10.00	1.00	0.15	1.50			
		1	6.40	1.00	0.15	0.96			
	plinth protection	2	3.30	1.00	0.15	0.99			
		2	21.20	0.50	0.15	3.18			
		2	16.40	0.50	0.15	2.46			
		2	3.50	5.00	0.15	5.25			

		septic tank	1	4.60	3.60	0.15	2.48			
		filling under floor	1	18.80	14.00	0.60	157.92			
			1	7.00	4.90	0.90	30.87			
			1	6.80	3.50	0.60	14.28			
						Total	250.06	Cum	371.00	92771.33
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	19	1.90	1.90	0.15	10.29			
			6	1.50	1.50	0.15	2.03			
		below plinth	4	12.80	1.00	0.15	7.68			
			3	17.80	1.00	0.15	8.01			
			2	3.80	1.00	0.15	1.14			
			2	1.00	1.00	0.15	0.30			
			4	2.00	0.60	0.15	0.72			
			1	10.00	1.00	0.15	1.50			
		porch	1	6.40	1.00	0.15	0.96			
			2	3.30	1.00	0.15	0.99			
		plinth protection	2	21.20	0.50	0.15	3.18			
			2	16.40	0.50	0.15	2.46			
			2	3.50	5.00	0.15	5.25			
		septic tank	1	4.60	3.60	0.15	2.48			
		filling under floor	1	18.80	14.00	0.15	39.48			
			1	7.00	4.90	0.15	5.15			
			1	6.80	3.50	0.15	3.57			
		ramp	2	3.50	2.50	0.10	1.75			
			2	17.00	1.20	0.10	4.08			
		pipe line drainage	1	50.00	0.60	0.10	3.00			
						Total	104.01	Cum	2659.00	269833.40
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 a								
						Total	425.85	Cum	65.00	27680.45
						=				
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	19	1.60	1.60	0.35	17.02			
		footing	19	1.10	1.1	0.60	13.79			
		raft c2	6	1.40	1.4	0.30	3.53			
		footing	6	0.90	0.900	0.60	2.92			
		column below plinth	19	0.20	0.400	2.40	3.65			
			6	0.20	0.200	2.40	0.58			
		plinth beam	2	14.40	0.200	0.40	2.30			
			3	19.20	0.200	0.40	4.61			
			4	5.00	0.200	0.40	1.60			
			1	10.00	0.200	0.40	0.80			
			4	2.00	0.200	0.30	0.48			

[illegible]

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:								
	Cement Mortar 1:5 (1 cement : 5 coarse sand)								
		4	12.80	0.20	1.50	15.36			
		3	17.80	0.20	1.50	16.02			
		2	3.80	0.20	1.50	2.28			
		2	1.00	0.20	1.50	0.60			
		4	2.00	0.20	1.50	2.40			
		1	10.00	0.20	1.50	3.00			
		1	6.40	0.20	1.50	1.92			
		2	3.30	0.20	1.50	1.98			
		4	2.00	0.20	1.50	2.40			
					Total	45.96	Cum	3350.00	153966.00
	super structure 7.5.3+7.6								
		2	12.80	0.20	3.20	16.38			
		2	17.80	0.20	3.20	22.78			
		4	3.80	0.20	3.20	9.73			
		2	1.00	0.20	3.20	1.28			
		4	2.00	0.20	3.20	5.12			
		2	3.50	0.20	3.20	4.48			
		1	10.00	0.20	0.90	1.80			
	STEPS	16*5	1.20	1.00	1.00	9.60			
		4	2.00	0.20	1.80	2.88			
		2	17.80	0.20	1.00	7.12			
		2	12.80	0.20	1.00	5.12			
		2	21.20	1.00	0.20	8.48			
		2	16.40	1.00	0.20	6.56			
					Total	101.34	Cum	3471.00	351737.26
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:					101.34	Cum	121	
11	3.1 Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	5 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
		2	21.20	1.00	0.15	6.36			
		2	16.40	1.00	0.15	4.92			
		1	4.00	2.00	0.10	0.80			
		1	15.00	5.00	0.15	11.25			
					Total	23.33	Cum	4073.00	95023.09

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	19.20	9.40		180.48			
		2	3.50	4.20		29.40			
		1	10.00	1.50		15.00			
		1	3.80	0.20		0.76			
		1	3.20	1.70		5.44			
					Total	231.08	sqm	1151.00	265973.08
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								
	2 Size above 200x300mm								
		8	2.40		2.10	40.32			
		8	2.00		2.10	33.60			
		1	6.00		1.80	10.80			
					Total	84.72	sqm	587.00	49730.64
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								
	1 Size 300x300mm	4	2.00	2.40		19.20			
		1	7.20	3.70		26.64			
		2	3.50	3.50		24.50			
		3	6.80	0.30		6.12			
		3	6.80	0.20		4.08			
		1	1.50	1.50		2.25			
		1	1.50	0.30		0.45			
					Total	83.24	sqm	692.00	57602.08

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 grey/pink								
		1	7.50	6.00		45.00			
		16	1.00	0.30		4.80			
		16	1.00	0.15		2.40			
		1	3.30	1.65		5.45			
		1	2.00	1.65		3.30			
					Total =	60.95	sqm	1869.00	113906.21
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.								
	door	8	30.00			240.00			
	window	8	32.00			256.00			
	ventilator	4	18.00			72.00			
					Total =	568.00	Kg	67.50	38340.00
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								
		1	3.50		2.10	7.35			
					Total	7.35	sqm	3330.00	24475.50
18	11.1 Providing and making 6mm thick cement plaster of mix								
	2 In Cement mortar 1:4 (1 cement : 4 fine sand)								
		1	19.2	14.40		276.48			
		8	1.80	0.60		8.64			
		2	19.20	1.00		38.4			
		2	14.40	1.00		28.8			
		2	3.00	0.30		1.80			
		5	1.40	0.70		4.90			
		3	1.30	0.70		2.73			
					Total	361.75	sqm	87.00	31472.25

	1.2	Providing and making 12mm thick cement plaster of mix							
	4	In Cement Mortar 1:6 (1 cement : 6 fine sand)							
			2	19.20	5.95	228.48			
			2	14.40	5.95	171.36			
						Total	399.84	sqm	91.50 36585.36
20	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)							
			2	18.80	3.60	135.36			
			2	14.40	3.60	103.68			
			4	3.50	3.60	50.40			
			6	4.90	3.60	105.84			
			8	2.00	3.60	57.60			
			8	2.40	3.60	69.12			
			3	3.60	3.60	38.88			
						Total	560.88	sqm	107.00 60014.16
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.							
						1322.47			
						Total	1322.47	sqm	94.50 124973.42
22	14.1	Wall painting with acrylic premium emulsion (plastic) paint of required shade to give an even shade.				922.63	sqm	44.50	41057.04
	1	On new work (Two or more coats)							
23	14.14	Finishing walls with water proofing cement paint of required shade to give an even shade.				399.84	sqm	41.00	16393.44
	1	On new work (Two or more coats)							
24	8.13	Providing and fixing flush door shutters, conforming to IS 2202 (Part 1), interior grade, commercial type, core of block board construction with frame of first class hard wood and well matched commercial ply veneering with vertical grains, cross bands and							
	2	35 mm. thick (single leaf)+8.15 single leaf							
			4	1.00	2.10	8.40			
						Total	8.40	sqm	1370.00 11508.00
25	8.137	Providing and fixing stainless steel sliding door bolts with 16mm rod, 2.5mm thick flap, necessary stainless steel nuts bolts and screws etc complete.							
	2	250mm				12.00			

138	Providing and fixing stainless steel door latch with 12mm rod, 2.5mm thick flap, necessary stainless steel screws etc complete.				Total	12.00	nos	228.00	2736.00
2	250mm					12.00			
27	8.139 Providing and fixing stainless steel tower bolts (Barrel type) with necessary stainless steel screws etc complete.				Total	12.00	nos	85.00	1020.00
3	150 x10mm								
28	8.141 Providing and fixing Stainless steel "D" shape door handles made of 10mm dia rod with necessary stainless steel screws etc complete.				Total	14.00	nos	57.50	805.00
	8.141.2 150 mm								
29	8.58 Providing and fixing bright finished brass butt hinges with brass polished MS screws complete:				Total	8.00	nos	49.50	396.00
	8.58.1 125x85x5.50 mm (Heavy								
30	8.143 Providing and fixing stainless steel hanging door stopper with necessary stainless steel screws complete.				Total	30.00	nos	245.00	7350.00
	1 Single								
35	14.22 Painting on new work (two or more coats) to give an even shade with:				Total	8.00	nos	47.00	376.00
	2 Premium synthetic enamel paint	5	1.20	2.10		12.60			
		17.5	1.00	2.10		36.75			
		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			
36	9.47 Providing and fixing aluminium work for doors, windows, ventilators and partitions made out of extruded aluminium standard sections (main section with minimum 1.5mm thickness) conforming to IS: 733, IS: 1285 mitred and jointed mechanically including aluminium cleats, neoprene weather stripping gasket beveled edge beading, screws duly fixed in wall/ floor with fixing clips or hold fasteners or bolts and nuts as required aluminium sections shall be anodized transparent or dyed to approved shade according to IS:				Total	123.24	sqm	47.00	5792.28
	9.47.1 For fixed portion								
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/				240.00	kg	331.00	79440.00	
					95.00	kg	338.00	32110.00	

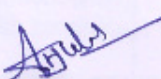
PART - B-SANITAION WORK


176	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								
1	75 mm dia pipe.	1	12.00			12.00	metre	182.00	2184.00
2	110 mm dia pipe.	1	35.00			35.00	metre	267.00	9345.00
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	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					4	each	2899.00	11596.00
1	White Orissa pattern W.C. pan of size 580x440 mm								
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					4.00	each	113.00	452.00
2	110 mm					8.00	each	154.00	1232.00
3	Vent covel								
1	75 mm					4.00	each	34.00	136.00
6	Nahani trap 110x75mm					4.00	each	90.50	362.00
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 Engineer in Charge								
1	15 mm nominal outer dia .Pipes.					10.00	metre	110.00	1100.00
3	25 mm nominal outer dia .Pipes.					30.00	metre	199.00	5970.00
4	32 mm nominal outer dia .Pipes.					68.00	metre	271.00	18428.00
8	19.13 Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved								
1	Bib cock (250 grams)					8.00	each	185.00	1480.00

14	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)				4.00	each	494.00	1976.00
	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 coarse sand) 12				2.00	each	4356.00	8712.00
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 tank.				2000.00	litre	7.30	14600.00
15	21.2	Boring/drilling bore well perfectly vertical for the specified depth suitable to receive required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer in charge beyond 00							
	21.2.1	All types of soil							
	3	150 mm dia.				30.00	m	371.00	11130.00
	21.2.2	Rocky strata including Boulders.							
	3	150 mm dia.				50.00	m	424.00	21200.00

	1.3	Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge.							
	3	150 mm nominal size dia.				30.00	m	540.00	16200.00
17	21.1	Development of tube well in accordance with IS : 2800 (part I) and IS: 11189, to establish maximum rate of usable water yield without sand content (beyond permissible limit), with required capacity air compressor, running the compressor for required time till well is fully developed, measuring yield of well by "V" notch method or any other approved method, measuring static level & draw down etc. by step draw down method, collecting water samples & getting tested in approved laboratory, i/c disinfection of tube well, all complete, including hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Engineer-in-charge.	4			4.00	hrs	654.00	2616.00
18	21.11	Providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for bore well of:							
	3	150 mm dia	1			1.00	each	217.00	217.00
TOTAL =									208998.00

Say Rs. =


Sub Engineer
Municipal Corporation
Korba (C.G.)


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

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

DETAILED ESTIMATE

Internal Electrification of Community building at Sitamani ward no 10

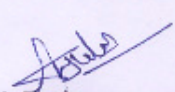
As per SOR: Schedule of rates public works department [PWD ELECTRICAL-01-07-2015] PART- C

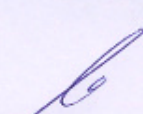
S. N.	SOR Ref.	ITEM DESCRIPTION	NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
1	4.1	Wiring for light/ fan/ exhaust fan / call bell point with 1.5 sqmm FR PVC insulated stranded copper conductor single core cable in surface PVC conduit, with 5 amp piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with same size cable etc as required.								
	1	Short Point	35				35	Point	213.00	7455.00
	2	Medium Point	15				15	Point	356.00	5340.00
	3	Long Point	25				25	Point	506.00	12650.00
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.	25				25.00	Point	95.00	2375.00
3	4.5	Wiring for power plug point with 2x4 sq mm FR PVC insulated stranded copper conductor cable in surface PVC conduit along with piano type 16 amp switch and 6 pin 16 amps socket outlet with suitable size M.S. box, phenolic laminated sheet, earthing the switch box and socket outlet with same size cable etc. as required.								
	2	Medium Point	5				5.00	Point	781.00	3905.00
	3	Long Point	2				2.00	Point	1163.00	2326.00
4	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	180.00			180.00	Metre	74.00	13320.00
	4.13.2	3 X 2.5 sq. mm in 20mm conduit	1	150.00			150.00	Metre	95.00	14250.00
	4.13.6	3 X 4 sq. mm in 25mm conduit	1	100.00			100.00	Metre	130.00	13000.00
5	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.								
	3	1400 mm sweep	14				14	Each	1637.00	22918.00
6	8.11	Supplying, installation, testing and commissioning of following T-5 fluorescent fitting (luminaries) complete with electronic ballast but without fluorescent lamp, on ceiling/ wall surface, earthing the fitting etc. as required								

1	Single box type with decorative end caps	15				15.00	Each	635.00	9525.00
8.12	Supplying, fixing, testing and commissioning of following 230/250 volts fluorescent lamp (tube) in existing lighting luminaries as required.								
2	4' x 28 watt (T-5)	15				15.00	Each	143.00	2145.00
8	8.22 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	10				10.00	Each	1420.00	14200.00
8.22.6	15 Watt	5				5.00	Each	1804.00	9020.00
9	6.2 Supplying and fixing of following sizes wooden switch box made of wooden plank side wall and base including 3mm thick phenolic laminated sheet cover on surface complete as required								
6.2.1	100mmX100mm	8				8.00	Each	55.00	440.00
6.2.2	150mmX75mm	5				5.00	Each	58.00	290.00
6.2.3	150mmX150mm	20				20.00	Each	76.50	1530.00
6.2.4	180mmX100mm	8				8.00	Each	69.50	556.00
6.2.5	200mmX150mm	6				6.00	Each	88.50	531.00
6.2.6	250mmX200mm	3				3.00	Each	94.50	283.50
6.2.7	300mmX350mm	2				2.00	Each	116.00	232.00
10	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	14				14.00	Each	178.00	2492.00
7.1.13	Ceiling rose 3 pin 5 amps	28				28.00	Each	28.00	784.00
7.1.15	Batten/ angle holder	35				35.00	Each	37.50	1312.50
11	8.30 Supplying, installation, testing and commissioning of following 230/250 volts LED street light fitting with all accessories like driver, heat sink made of die cast aluminium with IP 66 protection and 5 KV surge protection on pole bracket complete as required and furnishing 2 Yrs Guarantee certificate from manufacturer.								
8.30.1	8.30	3				3.00	Each	4890.00	14670.00
12	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	9				9.00	Each	960.00	8640.00
16	34.2 Supplying and laying one number following sizes XLPE, steel armoured, aluminium conductor power cable of 11 KV grade direct in ground including excavation, sand cushioning, protective covering and refilling the trench								
34.2.6	4.0 sq. mm three core	50				50.00	m	86.00	4300.00

54		Providing of metal clad, TP&N switch fuse unit (re-wirable), 415/500 volts, with porcelain re-wirable fuses as required.						1.00	Each	749.00	749.00
		32 amps	1								
18	34.56	Supplying 2 pole, 230/250 volts following rating power contactor						3.00	Each	368.00	1104.00
	34.56.1	16 amps	3								
19	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
20	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
21	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
22	26.3	Supplying, installation, testing and commissioning of submersible pump set for water supply system with submersible motor directly coupled to multi-stage submersible pump of specified discharge capacity, head, delivery size in existing bore well including 2 sets of suitable size holding clamps made out of 50 mm X 6 mm MS flat, connection with suitable submersible cable of standard length etc.									
	2	1.5 HP, single phase	1					1.00	each	17633.00	17633.00
23	26.6	Supplying and fixing following dia HDPE pipe PE-80 Grade (8kg/sqcm) in single length in the suction/ delivery line of water supply pump etc. as required.									
	1	32 mm outer dia	1	50				50.00	m	62.50	3125.00
24	26.11	Supply, installation, testing and commissioning of 1-3 HP 1 phase submersible motor starter cum control wall/ floor mounted type made out of not less than 1.6 mm thick MS sheet and comprising of following panel mounting switchgears there in including connection inter-connection etc. as required. a) Phase indicating lamps with fuses and toggle switches 1 set b) 1/2/3 HP 1 phase DOL starter with over load and no volt relay 1 No c) 25 A "C" curve DPMCB 1 No d) Voltmeter 0-250 V 1 set e) Ammeter 0-10 A 1 set	1					1.00	each	4125.00	4125.00

14	Supplying, laying and fixing following size submersible cable along with GI/PVC/HDFC pipe line or laid in ground etc as required									
15	3x4.0 sqmm	1				80.00	m	99.00	7920.00	
TOTAL =									228485.13	


Sub Engineer
Municipal Corporation
Korba (C.G.)


Ast Engineer
Municipal Corporation
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