

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

फा.क./निर्माण /2019 / 8391

सिस्टम टेन्डर नं. 52907
ई-निविदा आमंत्रण सूचना

कोरबा, दिनांक 10/07/2019

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 01.01.2015 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 अंतिम तिथि
1	सी.एस.ई.बी. ग्राउण्ड के पास एन.बी. 30 कमीशनर बंगला जीर्णोद्धार एवं मरम्मत कार्य	35.35	26600/-	02 माह	वर्ग डी एवं प्रवर श्रेणी	31.07.2019 से

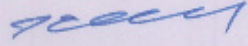

शर्त:-

1. निविदा दरे प्रकलित सी.एस.आर.से कम या अधिक प्रतिशत दरों पर दिया जाये सी.एस.आर.के अंतर्गत के आयटमों पर पृथक् से आयटम दरों का उल्लेख करने पर निविदा निरस्त मानी जावेगी।
2. जिन ठेकेदारों द्वारा नगर पालिक निगम (साडा) के किसी ठेके के कार्य में अनुबंध के अनुरूप कार्य न किया गया हो अथवा नगर पालिक निगम (साडा) के हित के विरुद्ध कार्य किया गया हो उन्हें निविदा भरने की पात्रता नहीं होगी।
3. इच्छुक ठेकेदारों को उचित वर्ग में पंजीयन की प्रमाणित प्रतिलिपि यदि साझेदारी फर्म हो तो उसका प्रमाण पत्र (पाटर्नरशीप डीड) की सत्य प्रतिलिपि, 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 स्केन कापी ऑन लाईन सिस्टम पर अपलोड करना अनिवार्य होगा।
4. निविदाकार को रेनोवेशन एवं मरम्मत कार्य का अनुभव होना अनिवार्य है।
5. 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।
6. 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।
7. 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।
8. 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।
9. ईट से संबंधित निर्माण कार्यों में फ्लाई एश ब्रिक का उपयोग किया जाना अनिवार्य होगा।
10. प्रयुक्त लोहा का बिल एवं टेस्ट रिपोर्ट तथा प्रयुक्त सीमेंट का बिल संलग्न करना अनिवार्य होगा।
11. 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।
12. निविदा अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नहीं किया जावेगा।
13. निविदा के संबंध में किसी प्रकार की विवाद होने की स्थिति में आयुक्त का निर्णय अंतिम एवं सर्वमान्य होगा।
14. निविदा स्वीकृत करने अथवा अस्वीकृत करने अथवा निरस्त करने का अधिकार नगर पालिक निगम के पास सुरक्षित रहेगा।
15. 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		10.07.19	18.00	10.07.19	18.00	Release Tender
2		Bid Submission	10.07.19	18.00	30.07.19	17.30	
3	Tender Open		31.07.19	10.30	--	--	


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

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

DETAILED ESTIMATE

Maintenance and Renovation of NB30 commissioner bungalow near C.S.E.B. ground

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 pits.								
	1	In all types of soil								
			2	6.00	0.60	0.60	4.32			
			2	6.00	0.60	0.60	4.32			
		gate	2	1.80	1.80	1.50	9.72			
			1	4.50	0.60	0.60	1.62			
			2	3.00	0.60	0.60	2.16			
		boundary wall	2	38.00	0.60	0.80	36.48			
			2	26.50	0.60	0.80	25.44			
			1	7.90	1.00	1.00	7.90			
			1	7.20	1.00	1.00	7.20			
			1	9.00	1.00	1.20	10.80			
			4	3.40	0.60	0.60	4.90			
			1	3.50	3.50	2.80	34.30			
		garage	2	8.00	1.20	0.80	15.36			
			2	6.00	1.20	0.80	11.52			
						Total	176.04	Cum	185.00	32566.66
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.								
			8	1.50	0.4		4.80			
			8	0.90	0.6		4.32			
						Total	9.12	Sqm	139.00	1267.68
	5	Columns, Pillars, Piers and likes-rectangular or square in shape								
			8	0.40		2.40	7.68			
						Total	7.68	sqm	297.00	2280.96
	8	Beams, lintels, cantilevers & walls								
			4	8.50	0.30		10.20			
			2	6.00	0.30		3.60			
			2	1.80	0.30		1.08			
			4	3.70	0.30		4.44			
			4	2.30	0.30		2.76			
			2	3.50	0.30		2.10			
						Total	24.18	sqm	202.00	4884.36

7	Suspended floors, roofs, access platform, balconies (plain surfaces) and								
	slab	1	3.7	2.4		8.88			
		1	3.5	3.5		12.25			
					Total	21.13	sqm	202.00	4268.26
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 dressing etc. complete.								
		2	6.00	0.60	0.10	0.72			
		2	6.00	0.60	0.10	0.72			
		2	3.00	0.60	0.10	0.36			
		2	3.00	0.60	0.10	0.36			
		2	1.80	1.80	0.15	0.97			
	boundary wall	2	38.00	0.60	0.10	4.56			
		2	26.50	0.60	0.10	3.18			
	paver block	1	21.50	12.00	0.20	51.60			
		1	11.90	3.50	0.10	4.17			
		1	21.50	8.00	0.15	25.80			
	under floor	1	3.70	6.00	0.40	8.88			
		2	1.80	1.80	0.15	0.97			
		1	3.70	2.10	0.80	6.22			
		1	2.10	1.50	0.60	1.89			
					Total	108.96	Cum	371.00	40422.31
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).								
	boundary wall	2	38.00	0.60	0.15	6.84			
		2	21.50	0.50	0.10	2.15			
	under floor	1	3.70	6.00	0.15	3.33			
		1	12.70	7.00	0.10	8.89			
	tiles	1	9.10	4.70	0.10	4.28			
		1	12.00	7.00	0.10	8.40			
	PATHWAY	2	38.00	1.50	0.10	11.40			
		1	26.50	1.20	0.10	3.18			
		1	7.90	1.00	0.10	0.79			
		1	7.20	1.00	0.10	0.72			
	toilet	1	3.70	2.10	0.15	1.17			
		1	2.10	1.80	0.10	0.38			
	paving	1	21.50	1.80	0.10	3.87			
	septic tank	1	4.00	3.00	0.10	1.20			
	garage	1	9.00	5.00	0.10	4.50			
					Total	61.09	Cum	2659.00	269833.40
5	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.								

1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
	BEAM	2	8.50	0.30	0.30	1.53			
		2	6.00	0.30	0.30	1.08			
		2	1.80	0.30	0.20	0.22			
		2	3.70	0.30	0.30	0.67			
		2	2.30	0.30	0.60	0.83			
		2	3.50	0.30	2.40	5.04			
	SLAB TOILET	1	3.70	2.40	0.15	1.33			
	SLAB SEPTIC TANK	1	3.50	3.50	0.15	1.84			
	PRECAST	60	1.00	0.50	0.15	4.50			
		2	1.50	1.50	0.40	1.80			
		2	0.90	0.90	0.60	0.97			
		2	0.40	0.40	2.40	0.77			
					Total	20.57	Cum	4163.00	85630.83
6	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								
	1 Thermo-Mechanically treated bars FE								
						1850			
					Total	1850.00	kg	54.50	100825.00
7	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:								
	3 Cement Mortar 1:5 (1 cement : 5 coarse sand)								
	OFFICE	2	6.00	0.40	0.40	1.92			
		2	3.70	0.40	0.40	1.18			
		2	6.00	0.30	0.60	2.16			
		2	3.70	0.30	0.60	1.33			
		2	6.00	0.30	3.20	11.52			
		1	3.70	0.30	3.20	3.55			
	boundary wall	2	38.00	0.50	0.30	11.40			
		2	38.00	0.40	0.40	12.16			
		2	26.50	0.50	0.30	7.95			
		2	26.50	0.40	0.40	8.48			
		2	38.00	0.30	0.90	20.52			
		2	26.50	0.30	0.90	14.31			
		2	38.00	0.20	1.50	22.80			
		2	26.50	0.20	1.50	15.90			
	COLUMN	48	0.30	0.30	1.50	6.48			
		8	0.30	0.30	2.20	1.58			
		2	0.50	0.50	1.50	0.75			
	septic tank	2	3.50	0.40	0.40	1.12			
		2	3.50	0.40	0.40	1.12			
		2	3.50	0.30	0.40	0.84			
		2	3.50	0.30	0.40	0.84			
		2	3.50	0.30	2.10	4.41			
		2	3.50	0.30	2.10	4.41			
		1	3.50	0.1	1.50	0.53			
	toilet	1	5.80	0.40	0.40	0.93			
		1	5.80	0.40	0.40	0.93			
		1	5.80	0.30	0.90	1.57			
		2	5.80	0.20	3.20	7.42			

		1	3.60	0.40	0.40	0.58			
		1	3.60	0.40	0.40	0.58			
		1	3.60	0.30	0.80	0.86			
		1	3.60	0.30	3.20	3.46			
		1	8.60	0.20	2.80	4.82			
		1	115.00	0.20	0.20	4.60			
					Total	183.00	Cum	3350.00	613053.35
8	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:				120.00	Cum	121	14520.00
9	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).							
		wearing coat	1	15.0	12.0	0.05	9.00		
		dpc	1	119.00	0.30	0.05	1.79		
			1	25.00	0.30	0.05	0.38		
		coping	1	119.00	0.30	0.10	3.57		
		PAVING	1	20.00	3.50	0.10	7.00		
					Total	21.73	Cum	4073.00	88506.29
10	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							
		toilet wall	2	2.35		2.10	9.87		
			2	3.70		2.10	15.54		
			2	2.35		2.10	9.87		
			2	3.70		2.10	15.54		
			2	2.10		2.10	8.82		
			2	1.50		2.10	6.30		
			4	2.40		1.00	9.60		
			4	1.80		1.00	7.20		
		kitchen	1	4.20		0.90	3.78		
			24	0.90		0.90	19.44		
					Total	105.96	sqm	646.00	68450.16
11	12.9	Providing and laying ceramic glazed floor tiles conforming to IS : 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete.							
	1	Size 300x300mm toilet							
			1	3.70	2.35		8.70		
			1	3.70	2.20		8.14		
			1	2.10	1.80		3.78		
			1	2.40	1.50		3.60		

		kitchen	1	4.50	2.80		12.60			
		PATHWAY FRONT	1	12.70	7.00		88.90			
		SID	1	9.10	5.00		45.50			
		back	1	11.60	6.50		75.40			
			1	12.00	3.70		44.40			
		garage	1	8.00	6.00		48.00			
							339.02	sqm	692.00	234598.38
13	12.13	Providing and laying vitrified floor tiles with double charge/ multi chargeprinting with water absorption less than 0.5% and conforming to IS :15622 of approved make in all colours and shades and size mentionedbelow (+/- 10mm), laid on 20mm thick cement mortar 1:4 (1 cement : 4coarse sand) including grouting the joints with white cement and matching pigments etc. complete.								
		12.13.1 Size 600x600mm	1	6.80	4.50		30.60			
		OFFICE ROOM								
							30.60	sqm	1151.00	35220.60
15	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.								
		window	11	28.86			317.46			
		ventilator	5	12.00			60.00			
						Total	377.46	Kg	67.50	25478.55
						=				
16	11.2	Providing and making 12mm thick cement plaster of mix								
	4	In Cement Mortar 1:6 (1 cement : 6 fine sand)								
		office	2	6.00		3.20	38.40			
			2	3.70		3.20	23.68			
		boundary wall	1	119.00		2.40	285.60			
			2	11.60		3.20	74.24			
			2	7.20		4.50	64.80			
			4	3.50		4.20	58.80			
			4	9.00		3.20	115.20			
			4	5.00		3.20	64.00			
						Total	724.72	sqm	91.50	66311.88
17	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)								
		office	2	6.00		3.20	38.40			
			2	3.70		3.20	23.68			
		boundary wall	1	119.00		2.40	285.60			
			2	11.60		3.20	74.24			
			2	7.20		3.20	46.08			

			4	3.50		2.40	33.60			
			4	9.00		3.20	115.20			
			4	5.00		3.20	64.00			
						Total	680.80	sqm	107.00	72845.60
18	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.								
							1405.52			
							620.00			
						Total	2025.52	sqm	94.50	191411.64
19	14.1	Wall painting with acrylic premium emulsion (plastic) paint of required shade to give an even shade.					2025.52	sqm	44.50	90135.64
	1	On new work (Two or more coats)								
20	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)								
							520.00	sqm	56.00	29120.00
21	14.14	Finishing walls with water proofing cement paint of required shade to give an even shade.	1	140		2.4	336.00	sqm	41.00	13776.00
	1	On new work (Two or more coats)								
22	8.155	Providing and fixing factory made Pre-laminated particle board flat pressed three layer or graded wood particle board shutter (25 mm thick) with one side decorative finish and other side balancing lamination conforming to IS: 12823 Grade I Type II, of approved design, and edgessealed with water resistant paint and lipped with aluminium 'U' type edge beading all-round the shutter, including fixing with angle cleat, grip strip, cadmium plated steel screws including fixing of stainless steel hinges100x1.7mm etc complete as per direction of Engineer-in-Charge								
	2	35 mm. thick (single leaf)+8.15								
			8	1.10		2.10	18.48	sqm	3483.00	64365.84
23	8.13	8.13 Providing and fixing flush door shutters, conforming to IS 2202 (Part 1),interior grade, commercial type, core of block board construction withframe of first class hard wood and well matched commercial ply veneering with vertical grains, cross bands and face veneers on both faces of shutters excluding hinges.								


		25 mm. thick (double leaf for cupboard shutters with piano type hinges	2	1.00		2.10	4.20			
			3	1.80		2.10	11.34			
						Total	15.54	sqm	1092.00	16969.68
24	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					8.00			
						Total	8.00	nos	228.00	1824.00
25	8.138	Providing and fixing stainless steel door latch with 12mm rod, 2.5mm thick flap, necessary stainless steel screws etc complete.								
		2 250mm					8.00			
						Total	8.00	nos	85.00	680.00
26	8.139	Providing and fixing stainless steel tower bolts (Barrel type) with necessary stainless steel screws etc complete.								
		3 150 x10mm				Total	8.00	nos	57.50	460.00
27	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	8.00	nos	49.50	396.00
28	8.58	Providing and fixing bright finished brass butt hinges with brass polished MS screws complete:								
		8.58.1 125x85x5.50 mm (Heavy				Total	32.00	nos	245.00	7840.00
29	8.143	Providing and fixing stainless steel hanging door stopper with necessary stainless steel screws complete.								
		1 Single				Total	12.00	nos	47.00	564.00
30	14.22	Painting on new work (two or more coats) to give an even shade with:								
		2 Premium synthetic enamel paint	22	1.10	1.20		29.04			
			4	0.40	0.40		0.64			
			2	3.35	0.90		6.03			
			2	2.25	0.90		4.05			
			2	3.45	2.40		16.56			
			2	2.50	2.40		12.00			
						Total	68.32	sqm	47.00	3211.04

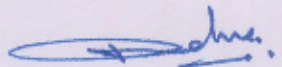
		Providing and fixing factory made UPVC door frame made of UPVC profile section having an overall dimension as below (tolerance $\pm 1\text{mm}$) with wall thickness $2.0\text{mm} \pm 0.2\text{mm}$, corners of the door frame to be jointed with galvanized brackets and stainless steel screws, joints mitred and plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19mm and $1\text{mm} \pm 0.1\text{mm}$ wall thickness and 3 nos. stainless steel							
		Extruded section Profile size 42x50	24	4.20		100.80			
			72	3.40		244.80			
			3	11.40		34.20			
			9	9.30		83.70			
					Total	463.50	sqm	196.00	90846.00
33	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	8	1.10	1.20	10.56			
			2	0.40	0.40	0.32			
			1	3.35	2.40	8.04			
			1	2.25	2.40	5.40			
			1	3.70	2.40	8.88			
			1	6.00	2.40	14.40			
			1	3.35	0.90	3.02			
			1	2.25	0.90	2.03			
			1	6.80	2.40	16.32			
			2	2.40	2.40	11.52			
					Total =	80.48	sqm	708.00	56979.84
34	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 $2\text{mm} \pm 0.2\text{mm}$ 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 wallthickness 1.0 mm and stainless steel screws.							
		8.149.1 24 mm thick door shutters	3	0.80	2.10	5.04			
					Total	5.04	sqm	2399.00	12090.96

38	10.13	Supply and fixing of precast TILE PATTERN 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 yield 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							
			1	7.20	4.90		35.28		
			1	4.50	3.00		13.50		
			1	2.60	1.80		4.68		
			1	8.00	6.00		48.00		
			1	8.00	3.50		28.00		
						Total	129.46	sqm	942.00 121951.32
39	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.				280.00	kg	66.00	18480.00
40	9.13	Providing and fixing steel door/ window with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of angle/ flat iron of suitable size, 3.00 mm M.S. gusset plates at junctions and corners, all necessary fittings complete including applying a priming coat of red oxide zinc chromate				180	kg	75.00	13500.00
41	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.							
			8	80.00			640.00		
			4	150.00			600.00		
		PURLIN	8	50			400.00		
						Total=	1640.00	Kg	66.00 108240.00

42	10.65	Providing and fixing of aluminium tile false ceiling comprising of Tile of size 600 x 600mm x 0.7mm. The Tile ends will be raised with pips and stops to ensure positive engagement into the spring to enable for demounting of individual panels. The Tile sides will be sufficiently high to ensure a minimum deflection across the length of Tile. All Tiles will be bevel edged. The Tile shall be powder coated. The Tile shall be clipped into clip-in profile made of 0.5mm thick G.I sheet. The clip-in profile shall be supported from slab by means hold on clamp with clip and 4mm dia G.I. rod fixed to ceiling rigidly. Wall trim box of size 15x30x15mm made from 0.4mm thick aluminium alloy sheet to be provided all along the wall to hold panels (only surface area of false ceiling is to be measured and no deductions for lights, diffusers, columns etc shall be							
		With perforated tiles having	1	6.4	4	25.60			
			2	4.5	4.5	40.50			
			1	6.5	4.2	27.30			
			1	2.1	1.5	3.15			
						96.55	sqm	3659.00	353276.45
43	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 strength of 250 kg/sq.cm							
	12.65.2	Pigment Coloured (rubber							
			2	38.00	1.50	114.00			
			2	26.50	1.50	79.50			
			1	21.50	1.20	25.80			
						219.30	sqm	632.00	138597.60
	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)							
		Granite stone black	1	48.00	0.40	19.20			
						19.20	sqm	2646.00	50803.20

45	9.34	Providing and fixing stainless wire gauge of average width of aperture 1.56mm with wire of 0.35mm to existing steel door, window shutter frames with necessary M.S. strip beading etc. complete.											
			8	0.6		1.20	5.76						
			2	6.5		0.90	11.70						
			3	0.6		0.60	1.08						
							10.00						
							28.54	sqm	791.00	22575.14			
46	16.3	Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead.					50.00	cum	263.00	13150.00			
47	16.5	Demolishing stone rubble masonry including arches, stacking of serviceable material and disposal of unserviceable material within 50 Metres lead.					20.00	cum	527.00	10540.00			
48	16.26	Dismantling doors chowkhats with shutters (steel or wood) including architrave, hold fast etc. complete and stacking within 50 metres lead.	8				8.00	nos	100.00	800.00			
49	16.27	Dismantling windows chowkhats with shutters (steel or wood) including architrave, hold fast etc. complete and stacking within 50 metres lead..	11				11.00	nos	66.50	731.50			
50	16.42	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metre lead.					10.00	cum	768.00	7680.00			
TOTAL=										3201960.11			



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

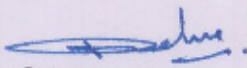

 Sub Engineer
 Municipal Corporation
 Korba (C.G.)

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							
	1	75 mm dia pipe.	1	49.00		49.00	metre	182.00	8918.00
	2	110 mm dia pipe.	1	60.00		60.00	metre	267.00	16020.00
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				4	each	2177.00	8708.00
	1	Coloured Oval or round size							
3	18.40	Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same colour), conforming to IS : 7231, with all	3			3.00	each	3592.00	10776.00
	1	Coloured pedestal type							
4	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				8.00	each	113.00	904.00
	2	110 mm				12.00	each	154.00	1848.00
	3	Vent cover							
	1	75 mm				14.00	each	34.00	476.00
	6	Nahani trap 110x75mm				6.00	each	90.50	543.00
5	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.				60.00	metre	110.00	6600.00
	3	25 mm nominal outer dia .Pipes.				45.00	metre	199.00	8955.00
	4	32 mm nominal outer dia .Pipes.				55.00	metre	271.00	14905.00
6	19.13	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality:							
	1	Bib cock (400 grams)				6.00	each	382.00	2292.00
	2	Long nose bib cock (500 grams)				3.00	each	455.00	1365.00

11	Hand shower set with flexible extension pipe					3.00	each	754.00	2262.00
14	Soap dish plate					3.00	each	163.00	489.00
5	Two way bib cock (800 grams)					3.00	each	702.00	2106.00
16	Towel rail (600mm long x 20mm dia)					6.00	each	338.00	2028.00
15	Shower rose (revolving type) (150mm)					3.00	each	269.00	807.00
19	Wall mixer with elegant knob (1400 grams)					3.00	each	1787.00	5361.00
7	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)					3.00	each	494.00	1482.00
	4 Piller Cock (400 grams)					4.00	each	398.00	1592.00
	20 CP brass water jet to be fixed in seat cover of WC with flexible connection pipe					3.00	each	577.00	1731.00
8	19.15 Providing and fixing stainless steel drain jali of approved make/quality.					15.00	each	51.00	765.00
9	19.16 Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end):								
	1 25 mm nominal bore					5.00	each	436.00	2180.00
	2 32 mm nominal bore.					5.00	each	510.00	2550.00
10	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
								total=	120263.00


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

DETAILED ESTIMATE


Internal Electrification of NB30 commissioner bungalow near C.S.E.B. ground


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	32				32	Point	213.00	6816.00
	2	Medium Point	25				25	Point	356.00	8900.00
	3	Long Point	18				18	Point	506.00	9108.00
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.	18				18.00	Point	95.00	1710.00
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	3				3.00	Point	781.00	2343.00
	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	220.00			220.00	Metre	74.00	16280.00
	4.13.2	3 X 2.5 sq. mm in 20mm conduit	1	120.00			120.00	Metre	95.00	11400.00
	4.13.6	3 X 4 sq. mm in 25mm conduit	1	130.00			130.00	Metre	130.00	16900.00
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	7				7	Each	1637.00	11459.00

6	8.20	Supplying, installation, testing and commissioning of following LED fitting (luminaries) down lighters in round/ square shape complete with electronic driver heat sink capacitor and all other accessories on surface/ in false ceiling etc. as required and furnishing 2 Yrs Guarantee certificate from manufacturer.							
	8.20.1	9 Watt	30			24.00	Each	1720.00	41280.00
	8.20.3	12 Watt	24			24.00	Each	2436.00	58464.00
7	6.4	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.							
	6.4.1	75mmX75mm (1/2 Module)	18			18.00	Each	88.00	1584.00
	6.4.2	100mmX75mm (3 Module)	6			6.00	Each	111.00	666.00
	6.4.3	125mmX75mm (4 Module)	8			8.00	Each	125.00	1000.00
	6.4.4	200mmX75mm (6 Module)	13			13.00	Each	161.00	2093.00
	6.4.5	125mmX125mm (8 Module)	7			7.00	Each	200.00	1400.00
	6.4.6	200mmX150mm (12 Module)	3			3.00	Each	273.00	819.00
8	6.5	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.							
	6.5.1	1 Module	5			5.00	Each	43.50	217.50
	6.5.2	2 Module	6			6.00	Each	43.50	261.00
	6.5.3	3 Module	7			7.00	Each	54.00	378.00
	6.5.4	4 Module	3			3.00	Each	59.50	178.50
	6.5.5	6 Module	4			4.00	Each	72.50	290.00
	6.5.6	8 Module	3			3.00	Each	93.00	279.00
	6.5.7	12 Module	6			4.00	Each	137.00	548.00
9	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	7			7.00	Each	178.00	1246.00
	7.1.13	Ceiling rose 3 pin 5 amps	28			28.00	Each	28.00	784.00
	7.1.15	Batten/ angle holder	15			15.00	Each	37.50	562.50
10	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.							
	11.17.1	6 amps to 32 amps	6			6.00	Each	960.00	5760.00
16	34.56	Supplying 2 pole, 230/250 volts following rating power contactor							
	34.56.1	16 amps	2			2.00	Each	368.00	736.00
17	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

18	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
19	14.18	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	80				80.00	Metre	37.50	3000.00
TOTAL =									212792.63	


 Ast Engineer
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