

# कार्यालय, नगर पालिक निगम, कोरबा (छत्तीसगढ़)

फा.क. 673/2024

सिस्टम टेंडर नं. 163839

कोरबा दिनांक 03.01.2025

## द्वितीय ई-निविदा आमंत्रण सूचना

कार्यालय नगर पालिक निगम, कोरबा द्वारा लोक निर्माण विभाग एकीकृत पंजीयन प्रणाली अंतर्गत सक्षम श्रेणी में पंजीकृत ठेकेदारों से प्रमुख अभियंता लोक निर्माण विभाग, रायपुर द्वारा भवन कार्य हेतु दिनांक 01.01.2015 एवं विद्युत हेतु दिनांक 01.06.2020 से प्रभावशील दर अनुसूची पर (निविदा खुलने के दिनांक तक समस्त संशोधनों के साथ शेड्यूल अनुसार प्रतिशत दर पर ई-प्रोक्युरमेंट (E-Tendering) के माध्यम से निविदा प्रपत्र Form-A में निविदा आमंत्रित की जाती है:-

1. फिजिकल सबमिशन लिफाफा प्राप्त होने की अंतिम तिथि - 21.01.2025 सायंकाल से 3.00 बजे तक
2. निविदा खुलने की अंतिम तिथि - 21.01.2025 सायंकाल 4.00 बजे से

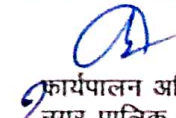
क्र.	कार्य का नाम	प्राक्कलन राशि (लाख में)	धरोहर राशि (FDR/TDR)	कार्यावधि	निविदा प्रतिभागी शुल्क (डिमांड ड्राफ्ट)	ठेकेदार का वर्ग	निविदा खुलने की तिथि
1	वार्ड क. 49 आगारखार सांस्कृतिक मंच के पास सामुदायिक भवन व किचन शेड निर्माण कार्य (खनिज न्यास मद)	25.00	19000/-	03 माह	750/-	वर्ग डी एवं प्रवर श्रेणी	21.01.2025 से .....

शर्त:-

1. निविदा दरे प्रचलित सी.एस.आर.से कम या अधिक प्रतिशत दरों पर दिया जावे सी.एस.आर.के अंतर्गत के आयटमों पर पृथक से आयटम दरों का उल्लेख करने पर निविदा निरस्त मानी जावेगी
2. जिन ठेकेदारों द्वारा नगर पालिक निगम (साडा) के किसी ठेके के कार्य में अनुबंध के अनुरूप कार्य न किया गया हो अथवा नगर पालिक निगम (साडा) के हित के विरुद्ध कार्य किया गया हो उन्हें निविदा भरने की पात्रता नहीं होगी।
3. इच्छुक ठेकेदारों को उचित वर्ग में पंजीयन की प्रमाणित प्रतिलिपि यदि साझेदारी फर्म हो तो उसका प्रमाण पत्र (पाटर्नरशीप डीड) की सत्य प्रतिलिपि, उपलब्ध तकनीकी अमले की जानकारी, विगत 3 वर्षों का आयकर चुकता प्रमाण पत्र, पेन नम्बर, जी.एस.टी. पंजीयन प्रमाण पत्र एवं अमानत राशि के FDR/TDR की प्रति ऑनलाईन अपलोड करना अनिवार्य होगा, प्रशिक्षित यंत्री नियुक्त करने संबंधी प्रमाण पत्र, कर्मचारी भविष्य निधि रायपुर से पंजीकरण का कोड, निविदा प्रतिभागी शुल्क का डिमांड ड्राफ्ट एवं धरोहर राशि FDR/TDR, शपथपत्र का स्केन कापी ऑन लाईन सिस्टम पर अपलोड करना अनिवार्य होगा।
  - अमानत राशि का वैध FDR/TDR, निविदा प्रतिभागी शुल्क का डिमांड ड्राफ्ट एवं निर्धारित प्रारूप में शपथ पत्र की मूल प्रति लिफाफा में कार्य का नाम एवं अन्य विवरण अंकित कर केवल स्पीड पोस्ट/रजिस्टर्ड डाक के माध्यम से आयुक्त, नगर पालिक निगम, कोरबा साकेत भवन, आई.टी.आई.चौक रामपुर कोसाबाड़ी पिन- 495677 कोरबा के पते पर भेजना होगा। निर्धारित तिथि को सायं 03:00 बजे के पश्चात् फिजिकल सबमिशन लिफाफा स्वीकार नहीं किया जायेगा।
  - 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 निर्धारित प्रारूप में वैध शपथपत्र (राशि रु. 100/- नॉनज्यूडिशियल स्टाम्प) निविदा आमंत्रण दिनांक के पश्चात का, निविदा क्रमांक एवं कार्य का नाम अंकित करना अनिवार्य होगा।
  - अमानत राशि का FDR/TDR एवं निविदा प्रतिभागी शुल्क का डिमांड ड्राफ्ट जो कि आयुक्त, नगर पालिक निगम, कोरबा के नाम पर देय हो प्रस्तुत करना अनिवार्य होगा।
4. सम्पूर्ण किये गये कार्यों के लिए प्रत्येक चल देयकों में से 5 प्रतिशत सुरक्षा राशि 01 वर्ष के लिए एवं मरम्मत एवं संधारण मद को छोड़कर शेष कार्यों में 5 प्रतिशत परफार्मेंस सिक्यूरिटी की गारंटी के रूप में से 03 वर्ष के लिए रोकी जावेगी। सुरक्षा राशि एवं परफार्मेंस गारंटी राशि वापसी हेतु समयावधि की गणना कार्य पूर्णता तिथि से किया जायेगा। उक्त समयावधि में निर्माण कार्य की भौतिक स्थिति सही होने तथा सक्षम प्राधिकारी के संतुष्टि के आधार पर भुगतान किया जायेगा।
5. जिन निविदाकारों द्वारा कर्मचारी भविष्य निधि संगठन एवं कर्मचारी राज्य बीमा निगम, रायपुर से पंजीयन कराकर कोड प्राप्त कर लिया हो वे निविदाकार ही निविदा हेतु पात्र होंगे।
6. 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।
7. ईट से संबंधित निर्माण कार्यों में प्लाई एश ब्रिक का उपयोग किया जाना अनिवार्य होगा।
8. प्रयुक्त लोहा का बिल एवं टेस्ट रिपोर्ट तथा प्रयुक्त सीमेंट का बिल संलग्न करना अनिवार्य होगा।
9. 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।
10. निविदा अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नहीं किया जावेगा।
11. निविदा प्रपत्र फार्म -ए की कंडिका 11 Price Adjustment (एस्कलेशन) देय नहीं होगा।
12. निविदा के संबंध में किसी प्रकार की विवाद होने की स्थिति में आयुक्त का निर्णय अंतिम एवं सर्वमान्य होगा।
13. निविदा स्वीकृत करने अथवा अस्वीकृत करने अथवा निरस्त करने का अधिकार नगर पालिक निगम के पास सुरक्षित रहेगा।
14. उपरोक्त निविदा सूचना की विस्तृत प्रति नगर पालिक निगम, कोरबा के साकेत भवन स्थित निर्माण शाखा से प्राप्त किये जा सकते हैं।
15. ठेकेदार द्वारा संपादित किए गए कार्यों के देयको का भुगतान कार्य विशेष हेतु बजट आबंटन एवं राशि उपलब्ध होने पर किया जाएगा।
16. निविदा में सफल निविदाकार को ऐसे कार्य जिसकी अनुबंध राशि 10.00 लाख या उससे अधिक है, उनको प्रत्येक कार्यों हेतु पृथक से छ.ग. भवन और सन्निर्माण कर्मचार मण्डल का पंजीयन प्रमाण पत्र प्रस्तुत करना अनिवार्य होगा अन्यथा देयक भुगतान किया जाना संभव नहीं होगा।
17. कार्य क्रियाचयन से संबंधित गुणवत्ता परीक्षण संबंधी रिपोर्ट पर होने वाले व्यय का वहन संबंधित ठेकेदार द्वारा किया जावेगा।
18. ठेकेदार को निर्माण कार्य के दौरान "निर्माण एवं अपशिष्ट प्रबंधन नियम 2016" में किये गए प्रावधानों का पालन करना अनिवार्य होगा।

प्रतिलिपि-

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

  
कार्यपालन अभियंता  
नगर पालिक निगम  
कोरबा (छ.ग.)

### Date-Time Detail(s)

Seq. No.	Nagar Nigam Stage	Contractor Stage	Start		Expiry		Remarks
			Date	Time	Date	Time	
1	Release Tender		03.01.2024	15.00	03.01.2024	15.00	Release Tender
2		Bid Submission	03.01.2024	15.00	20.01.2025	17.30	
3		Physical Document Submission	03.01.2024	15.00	21.01.2025	15.00	
4	Tender Open		21.01.2025	16.00	--	--	

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

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

**DETAILED ESTIMATE**

Name of Work :- construction of Samudayik Bhawan Near Agarkhar Sanskritik Munch at ward 49  
As per Sor :- Schedule of Rates Public Works Department [ PWD BUILDING 01-01-2015]

Ground floor									
Sno.	ITEM DESCRIPTION	N	L	B	H/D	Qty	Unit	Rate	Amount
1	Surface dressing of the ground including removing vegetation and making up undulations and in-equalities not exceeding 15 cms in depth/ height including disposal of rubbish upto 1.5 m lift and lead upto 50m (at least 5m away from the dressed area).								
		1	8.00	15		120.00			
						<b>Total</b>	<b>120.00</b>	<b>Sqm</b>	<b>18</b>
2	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.								
	In all types of soil								
	footing (x-x)	10	1.50	1.50	1.5	33.75			
	footing	3	1.50	1.50	1.5	10.13			
	Ground Cutting below plinth beam	2	10.00	0.30	0.40	2.40			
		3	2.50	0.30	0.40	0.90			
		3	6.20	0.30	0.40	2.23			
	for plinth protection	1	37.40	0.75	0.20	5.61			
	septic tank	1	2.50	1.80	1.50	6.75			
						<b>Total</b>	<b>61.77</b>	<b>cum</b>	<b>185</b>
3	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.								
	footing (x-x)	10	1.50	1.50	0.1	2.25			
	footing	3	1.50	1.50	0.1	0.68			
	Ground Cutting below plinth beam	2	10.00	0.30	0.15	0.90			
		3	2.50	0.30	0.15	0.34			
		3	6.20	0.30	0.15	0.84			
	for plinth protection	1	37.40	0.75	0.15	4.21			
	Hall	1	5.80	12.10	0.10	7.02			

		1	2.50	1.80	0.10	0.45			
					Total	16.68	cum	371	6186.425
4	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M and lift upto 1.5 M								
	70% of total excavated material	1	61.77	0.70		43.24			
				Total		43.24	cum	65.00	2810
5	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work.								
	1:3:6 (1 cement : 3coarse sand : 6graded stone aggregate 40mm nominal size).								
	footing (x-x)	10	1.50	1.50	0.1	2.25			
	footing (y-y)	3	1.50	1.50	0.1	0.68			
	Ground Cutting below plinth beam	2	10.00	0.30	0.10	0.60			
		3	2.50	0.30	0.10	0.23			
		3	6.20	0.30	0.10	0.56			
	for plinth protection	1	37.40	0.75	0.10	2.81			
	septic tank	1	2.50	1.80	0.10	0.45			
					Total	7.56	cum	2970.00	22462.11
5	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
a	Foundations, footings, base of columns and plinth beam in any shape and size.								
	Ground Floor (footing)	10x2	1.40		0.6	16.80			
		10x2	1.40		0.6	16.80			
		3x2	1.40		0.3	2.52			
		3x2	1.40		0.3	2.52			
		10x2	0.80		0.35	5.60			
		10x2	0.80		0.35	5.60			
		3x2	0.80		0.35	1.68			
		3x2	0.80		0.35	1.68			
	Column(c-1) (upto plinth level) (300x400mm)	10		1.4	1.1	30.80			
		3		1.4	1.1	27.72			
	Plinth level beam (300x300)	2	12.50		0.6	15.00			
		3	5.80		0.6	10.44			

	septic tank	1	1.90		0.6	1.14			
		1	1.80		0.6	1.08			
					<b>Total</b>	<b>139.38</b>	Sqm	139.00	19373.82
b	Columns, Pillars, Piers and likes- rectangular or square in shape								
	<b>Ground Floor</b>								
	Column (c-1)(PL to SL)	10		1.4	3.6	100.80			
		3		1.4	3.6	100.80			
					<b>Total</b>	<b>201.60</b>	Sqm	297	59875.2
c	Beams, lintels, cantilevers & walls								
	<b>Ground Floor</b>								
	Lintel level beam (200x250)	2	12.50		0.45	11.25			
		3	5.80		0.45	7.83			
		1	1.90		0.45	0.86			
	slab wall Beam (200x400)	2	12.50		0.8	20.00			
		3	5.80		0.8	13.92			
	slab T Beam (300x700)	2	5.80		1.7	19.72			
					<b>Total</b>	<b>73.58</b>	Sqm	202	14862.15
D	Weather shade, chhajja, cornices, and moulding								
	Ground Floor	1	12.50	0.60		7.50			
		3	1.50	0.60		2.70			
					<b>Total</b>	<b>10.20</b>	Sqm	294	2998.8
E	2.1.7 Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)								
	Ground Floor								
	Slab	1	12.50	6.2		77.50			
	Outer projection	2	12.50	0.3		7.50			
		2	6.20	0.3		3.72			
		2	13.10		0.12	3.14			
		2	6.80		0.12	1.63			
	stair case (landing )	2	3.75	1		7.50			
	staircase platform	1	1.00	2.5		2.50			
		1	1.00	1					
		4	3.75		0.12	1.80			
		2	1.00		0.12	0.24			
		2	2.50		0.12	0.60			
	septic tank slab	1	2.50	1.8	0.1	0.25			
			<b>Total</b>			<b>106.39</b>	Sqm	235	25000.71





	In Cement Mortar 1:6 (1 cement : 6 fine sand)								
		4	5.80		3.6	83.52			
		2	12.10		3.6	87.12			
	deduct opening door	-1	1.20		2.10	-2.52			
		-1	1.00		2.10	-2.10			
		-5	1.50		1.20	-9.00			
		-1	1.50		2.10	-3.15			
					Total	153.87	Sqm	96.5	14848.455
13	15mm thick cement plaster on the rough side of single or half brick wall of mix:								
	In Cement Mortar 1:6 (1 cement : 6 fine sand)								
	outer wall	2	6.20		4.05	50.22			
		2	12.50		4.05	101.25			
					Total	151.47	Sqm	113	17116.11
	septic tank wall	2	2.50		1.5	7.50			
		2	1.80		1.5	5.40			
		1	2.50	1.8		4.50			
					Total	17.40	Sqm	113	1966.2
						17.40			
13 (b)	Neat Cement punning. septic tank wall/ base				Total	17.40	Sqm	33	574.2
15	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.								
	Size 600x600mm	1	10.00	6.2		62.00			
		1	2.70	6.2		16.74			
					Total	78.74	sqm	1151	90629.74
	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								
	staircase	22	1.20	0.3		7.92			




	landing	22	1 20	0.15		3.96			
		1	2 10	1		2.10			
		1	2 10	3		6.30			
					Total	20.28	sqm	2646	53660.88
16	Providing wood work in frames of doors, windows, clerestory windows and other frames wrought framed and fixed in position.								
	Sal, bijasal, benteak, khair, haldu								
	Door (D)	1	5.40	0.15	0.08	0.06			
	Door (D1)	1	5.20	0.15	0.08	0.06			
					Total	0.13	cum	61051	7765.687
19	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 primer								
	Grill	1.00	1.80	1.20	40.00	86.40			
	Door with frame	1			50.00	50.00			
	Double Leaf Door with frame (1.2x2.1)	1			150.00	150.00			
					Total	286.40	kg	75.00	21480.00
17	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 hinges.								
	25 mm. thick (double leaf for cupboard shutters with piano type hinges	1	1.20		2.10	2.52			
					Total	2.52	sqm	1669	4205.88

18	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: 1868, minimum anodic coating shall be of grade AC-15. (Glazing to be paid for separately) For fixed portion								
	window	5	1.50		1.2	9.00			
	ventilation	5	0.60		0.45	1.35			
						10.35	sqm		
		15kg/sqm				155.25	kg	331	51387.75
19	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 , ventilation Grill	15 kg/sqm as per item no. 18				155.25	kg	67.5	10479.375
20	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): With float glass panes of 4 mm thickness								
	window and ventilation grill	size as per item no. 18				10.35	sqm	611	6323.85
22	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.								
	Qty as per 15+12+6mm plaster					394.42			
					<b>Total</b>	<b>394.42</b>	<b>sqm</b>	<b>94.5</b>	<b>37272.69</b>

23	Painting exterior surface with PREMIUM 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.								
	14.15.1 On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2 20 kg/ 10 sqm								
	QTY as per 15mm thick plaster					151.47			
					Total	151.47	sqm	74.50	11284.515
24	Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade.14.11.1 On new work (two or more coats								
	qty as per 6mm+12 mm thick plaster					242.95			
					Total	242.95	sqm	74.50	18099.775
25	14.22 Painting on new work (two or more coats) to give an even shade with:								
	14.22.1 Satin synthetic enamel paint	6x2	1.5		1.2	21.6	sqm	55	1188
26	14.20 Applying priming coat on wood work with ready mixed primer.	1	2.52	1.5		3.78	Sqm	23.5	88.83
27	14.41 Lettering with black Japan paint, per cm height.		2500		0.8	2000	PER LETTER	0.7	1400
28	14.25 Providing and laying French sprit polish on new wood work after preparing the surface by rubbing down smooth with sand papers, covering the knols,	Sqm	3.78			3.78	Sqm	143	540.54
29	Providing 40x5mm iron hold fast 40cm long including fixing to frame with 10mm bolts nuts and wooden plug and embedding in Cement Concrete 1:2:4 in blocks of size 30x10x15cm.					6	each	72.5	435
30	Providing and fixing bright finished brass sliding door bolt with nuts and brass polished MS screws complete:					2	each	475	950
31	Providing and fixing bright finished brass tower bolts (barrel type) with brass polished MS screws complete: 200x10 mm					2	each	231	462

32	Providing and fixing bright finished brass door handles with brass polished MS screws complete: 125 mm					4	each	55.5	222
33	Providing and fixing antique/ SS finished brass butt hinges with antique/ SS polished MS screw complete: 125x85x5.50mm (Heavy Type)					2	each	256	512
34	Providing and fixing Anitque/S.S. finished brass door latch with necessary Antique/S S POLished MS screws complete: 300 x16x5 mm					2	each	424	848
35	Providing and fixing 150mm Antique/S.S. finished brass floor door stoppers with rubber cushion and antique/ S.S. Polished MS screws to suit thickness of shutters thickness.					2	each	77	154
36	Providing and fixing M S. fan clamp/ hook for ceiling fan made out of 16 mm dia M.S. bar bent to shape with hooked ends in R.C.C. slabs, beams during laying including painting the exposed portion of loop.					6	each	97	582
37	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.								
	20kg/sqm	2	3.75		0.75	5.625	sqm		
		25kg/sqm				140.75	kg	467	65730.25
<b>Part A (GROUND FLOOR) Estimate Amount Rs.</b>									<b>1101273.94</b>

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

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

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

Name of Work - construction of Samudayik Bhawan Near Agarkhar Sanskritik Munch at ward 49

As per Sor - Schedule of Rates Public Works Department [ PWD BUILDING 01-01-2015]

First floor									
DETAILED ESTIMATE									
Sno.	ITEM DESCRIPTION	N	L	B	H/D	Qty	Unit	Rate	Amount
1	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
a	Columns, Pillars, Piers and likes- rectangular or square in shape								
	<b>First Floor</b>								
	Column (c-1)(PL to SL)	13		1.400	3.600	100.800			
		2		1.200	3.600	86.400			
	mumty/ stir cover	4		1.400	2.400	67.200			
						<b>Total</b>	<b>187.200</b>	<b>Sqm</b>	<b>297.000</b>
									<b>55598.400</b>
b	Beams, lintels, cantilevers & walls								
	<b>First Floor</b>								
	Plinth level beam (200x300)	1	65.800		0.600	157.920			
	d/d door / gallery	-1	6.200		0.600	37.200			
	stair beam	1	2.100		0.600	2.520			
	Lintel level beam (200x250)	1	65.800		0.500	131.600			
		1	2.100		0.700	14.700			
	slab wall Beam (200x400)	1	65.800		0.600	157.920			
		1	2.100		0.800	16.800			
		2	2.500		0.600	15.000			
		2	4.000		0.600	24.000			
						518.660	<b>Sqm</b>	<b>202.000</b>	<b>104769.320</b>
D	Weather shade, chhajja, cornices, and moulding								
	chajja	1	12.500	0.600		7.500			
	window chajja	6	1.500	0.600		5.400			
	kitchen plateform	1	6.000	0.600		3.600			
						<b>Total</b>	<b>16.500</b>	<b>Sqm</b>	<b>294.000</b>
									<b>4851.000</b>
e	2 1 7 Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)								
	<b>First Floor</b>								
	Slab	1	12.500	6.200		77.500			
	Outer projection	1	12.500	0.300		3.750			
		2	6.200	0.300		3.720			
		2	13.100		0.120	3.144			
		2	6.800		0.120	1.632			
	stair case (landing )	2	3.750	1.000		7.500			
	staircase platform	1	1.000	2.500		2.500			



	Thermo-Mechanically treated bars		100 kg/cum			3695.26			
					Total	3695.26	Kg	54.5	201391.67
5	Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to IS 12894-2002								
	Cement Mortar 1.5(1 cement : 5 coarse sand)								
	Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth.								
		1	65.800	0.200	3 600	47.376			
	d/d for door / gallery	-1	6.200	0.200	2 100	-2.604			
	D/d window	-6	1 500	0.200	1.200	-2.160			
	ventilation d/d	-6	1 500	0.200	0.450	-0.810			
	wc	2	1.800	0.200	2.400	1.728			
		2	1.200	0.200	2.400	1.152			
	d/d wc door	2	0.800	0.200	2.100	0.672			
	for parapet wall	2	13.100	0.200	0.750	3.930			
		2	6.800	0.200	0.900	2.448			
	mumty	2	1.900	0.200	2.100	1.596			
		2	4.000	0.200	2.100	3.360			
					Total	56.688	Cum	3471.000	196764.048
6	6mm thick cement plaster of mix:								
	In Cement Mortar 1:4 (1 cement : 4 fine sand)	1	13.100		6.800	89.080			
		2	2.000		1.400	5.600			
	mumty	1	4.400		2.500	11.000			
					Total	105.680	Sqm	87.000	9194.160
7	12mm thick cement plaster of mix:								
	In Cement Mortar 1:6 (1 cement : 6 fine sand)								
		2	65.800		3.600	473.760			
	d/d for door / gallery	-1	6.200		2 100	-13.020			
	D/d window	-6	1.500		1.200	-10.800			
	ventilation d/d	-6	1.500		0.450	-4.050			
	wc	2	1.800		2.400	8.640			
		2	1.200		2.400	5.760			
	d/d wc door	2	0.800		2 100	3.360			
	d/d for outer wall	-2	12.500		3.600	-90.000			
		-2	6.200		3.600	-44.640			
	mumty	2	2.500		2.400	12.000			
		2	4.000		2.400	19.200			
					Total	329.010	Sqm	96.500	31749.465
8	15mm thick cement plaster on the rough side of single or half brick wall of mix:								
	In Cement Mortar 1:6 (1 cement : 6 fine sand)								
	d/d for outer wall	2	12 500		3.600	90.000			

	for parapet wall	2	6.200		3.600	44.640			
		2	13.100		0.750	19.650			
		2	6.800		0.900	12.240			
	mumty	2	4.400		2.400	21.120			
		2	2.500		2.400	12.000			
					<b>Total</b>	<b>199.650</b>	<b>Sqm</b>	<b>113.000</b>	<b>22560.450</b>
9	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. Size 600x600mm								
	room+ kitchen	3	3.000	4.400		39.600			
	gallery	1	1.800	12.100		21.780			
	d/d wc area	-2	1.800		1.200	-4.320			
	skirting	6	3.000		0.150	2.700			
		6	4.400		0.150	3.960			
		2	1.800		0.150	0.540			
		2	12.100		0.150	3.630			
					<b>Total</b>	<b>67.890</b>	<b>sqm</b>	<b>1151.000</b>	<b>78141.390</b>
	Providing and laying rectified ceramic glazed floor tiles of size 300x300mm and above conforming to IS : 15622 of approved 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. Size 300x300mm								
	Toilet	2	1.800	1.200		4.320	sqm	858.000	3706.560
10	Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall and dados over 12mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching pigment complete. Size upto 200x300mm								
	Toilet	2	6.000		2.100	25.200			
	d/d for door	-2	0.800		2.100	-3.360			
					<b>Total</b>	<b>21.840</b>	<b>sqm</b>	<b>587.000</b>	<b>12820.080</b>



	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								
	staircase	23	1 200	0.300		8 280			
		23	1 200	0.150		4 140			
		1	2 100	1.000		2 100			
		1	1 000	1.000		1 000			
					Total	15.520	sqm	2646.000	41065.920
11	Providing wood work in frames of doors, windows, clerestory windows and other frames wrought framed and fixed in position.								
	Sal, bijasal, benteak, khair, haldu								
	Door (D2) f.f.+mumty	5	5 200	0.150	0.080	0.312			
					Total	0.312	cum	61051.000	19047.912
12	Providing and fixing flush door shutters, conforming to IS 2202 (Part-1), 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 hinges.								
	25 mm. thick (double leaf for cupboard shutters with piano type hinges								
		2	1.000		2.100	4.200			
					Total	4.200	sqm	1669.000	7009.800
	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: 1868, minimum anodic coating shall be of grade AC-15. (Glazing to be paid for separately:For fixed portion								
		6	1.200		1.500	10.800			
		6	0.600		0.450	1.620			

					12.420	sqm			
	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	15kg/sqmx			186.30	kg	331	61665.3	
13	window, ventilation Grill	15 kg/sqm			186.300	kg	67.500	12575.250	
19	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 primer.								
		1.00	1.800	1.200	25.000	54.000			
	Door with frame	2			25.000	50.000			
	Double Leaf Door with frame (1.2x2.1)	2			120.00	240.000			
					Total	344.000	kg	75.000	25800.000
14	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). With float glass panes of 4 mm thickness								
	as per size				12.420	sqm	611.000	7588.620	
15	Providing and applying 2mm thick ready mix exterior grade approved								
	Qty. as per 15+12+6mm plaster				634.340				
					Total	634.340	sqm	94.500	59945.130
16	Painting exterior surface with PREMIUM 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:								



22	14.25 Providing and laying French spirit polish on new wood work after preparing the surface by rubbing down smooth with sand papers, covering the knots, if visible, applying a coat of wood filler, cleaning the surface, applying 50 or more coats of French spirit polish till the surface gives high gloss.	Sqm	6.300			6.300	Sqm	143.000	900.900
23	Providing 40x5mm iron hold fast 40cm long including fixing to frame with 10mm bolts nuts and wooden plug and embedding in Cement Concrete 1:2:4 in blocks of size 30x10x15cm.					12.000	each	72.500	870.000
24	Providing and fixing bright finished brass sliding door bolt with nuts and brass polished MS screws complete:					4.000	each	475.000	1900.000
25	Providing and fixing bright finished brass tower bolts (barrel type) with brass polished MS screws complete: 200x10 mm					3.000	each	231.000	693.000
26	Providing and fixing bright finished brass door handles with brass polished MS screws complete: 125 mm					8.000	each	55.500	444.000
27	Providing and fixing antique/ SS finished brass butt hinges with antique/ SS polished MS screw complete: 125x85x5.50mm (Heavy Type)					4.000	each	256.000	1024.000
28	Providing and fixing Antique/S.S. finished brass door latch with necessary Antique/S.S. POLISHED MS screws complete: 300 x16x5 mm					4.000	each	424.000	1696.000
29	Providing and fixing 150mm Antique/S.S. finished brass floor door stoppers with rubber cushion and antique/ S.S. Polished MS screws to suit thickness of shutters thickness.					4.000	each	77.000	308.000
30	Providing and fixing M.S. fan clamp/ hook for ceiling fan made out of 16 mm dia M.S. bar bent to shape with hooked ends in R.C.C. slabs, beams during laying including painting the exposed portion of loop.					7.000	each	97.000	679.000
31	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.								

9 57.2 SS Grade 304 (stair)								
kg/sqm								
	2	3.750		0.750	5.625	sqm		
			20kg/sqm		112.600	kg	467.000	52584.200
<b>Part B ( FIRST FLOOR) Estimate Amount Rs.</b>								<b>1245425.94</b>

*Jatwa*

Sub Engineer  
Municipal Corporation  
Korba (C.G.)

*[Signature]*

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

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

Name of Work :- Sanitation Work of Samudayik Bhawan at Ward No. 49 agrkhar  
 As per Sor :- Schedule of Rates Public Works Department [ PWD BUILDING 01-01-2015]

**water supply and sanitation work**

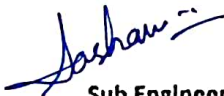
Sno.	ITEM DESCRIPTION	N	L	B	H/D	Qty	Unit	Rate	Amount
1	Providing fixing on wall face or under floor UV stabilised Unplasticised Rigid PVC pipes having 3.2mm wall thickness, leaving 10mm gap for thermal expansion etc complete								
	76.2 110mm dia pipe	1	30.00			30.00	metre	267.00	8010.00
2	Providing fixing on wall face UV stabilised Unplasticised- PVC moulded fitting / accessories having 3.2mm wall thickness for rigid PVC pipes leaving 10mm gap for thermal expansion								
	77.1 Tee/Tee with door / Bend 45/Bend 90 77.1.3 110mm	10				10.00	Each	154.00	1540.00
	77.5 "P" trap 110mm X750mm long	10				10.00	Each	90.50	905.00
3	19.5 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 the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. <b>CONCEALED WORK including cutting chases and making good the walls etc.,</b>								
	7.1 15mm dia nominal bore	1	25.00			25.00	metre	133.00	3325.00
	7.2 20mm dia nominal bore	1	10.00			10.00	metre	213.00	2130.00

4	19.6 Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This included jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. <b>EXTERNAL WORK</b>								
	19.6.3 25 mm nominal outer dia pipes	1	30.00			30.00	metre	165.00	4950.00
5	Providing and fixing 15mm nominal bore brass bib/ stop cock of approved quality								
	13.3 Stop cock (350grams)	10				4.00	Each	237.00	948.00
6	19.42 Providing and placing on terrace polythene water storage tank and the base support for tank	1				1000.00	litre	7.30	7300.00
7	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 the walls and floors wherever required :								
8	18.1.1 White Long pattern W.C. pan of size 580 mm	2				2.00	each	2459.00	4918.00
9	19.17 Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete								
10	19.17.3 25 mm nominal bore	3				3.00	Each	432.00	432.00
11	Providing and laying and jointing glazed stoneware pipes grade 'A' with stiff mixtures of cement mortar in proportion 1:1 including testing of joint etc complete								
12	1.2 150mm diameter	1	15.00			15.00	metre	262.00	3930.00
13	Providing and laying cement concrete 1:5:10, 40mm nominal size all- round S.W. pipes including bed concrete 150mm thick as per standard design								
	2.2 150mm dia. S.W. pipes	1	15.00			15.00	metre	436.00	6540.00

14	20.3 Providing and Fixing Square - mouth S.W gully trap grade A, As per standard design								
	3 1 100x100mm size p type	4			4.00	Each	1339.00	5356.00	
15	Providing and fixing 30mm thick factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for styles and 15x15mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5mm thick heat moulded PVC 'C' channel of size 30mm thickness, 70mm width out of which 50mm shall be flat and 20mm shall be tapered in 45degree angle on either side forming styles, and 5mm thick, 95mm wide PVC sheet out of which 75mm shall be flat and 20mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115mm wide PVC sheet out of which 75mm shall be flat and 20mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel. 10mm (5mm x 2 ) thick, 20mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail. paneling of 5mm thick both side PVC sheet to be fitted in the								
	8.152.1 PVC door shutter	2	0.80	2.10	3.36	sqm	2318.00	7788.48	
16	19.48 Constructing masonry Chamber 60x60x75 cm, inside with modular well burnt clay bricks of 35 kg/ cm <sup>2</sup> in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100mm. top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate	1			1.00	each	4644.00	4644.00	



17	IS 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.	3				3.00	each	1430.00	4290.00
18	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								
19	19.14.8 Basin mixer pillar tap with spout (1000 grams)	3				3.00	each	1248.00	3744.00
20	19.14.16 Towel rail (600mm long x 20mm dia)	3				3.00	each	338.00	1014.00
Total									71764.48

  
 Sub Engineer  
 Municipal Corporation  
 Korba (C.G.)

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

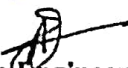
OFFICE OF THE MUNICIPAL CORPORATION, KORBA (C.G.)  
**DETAILED ESTIMATE**

Name of Work :- Internal Electrification Work of Samudayik Bhawan at Ward No. 49 agrkhar  
 As per Sor :- Schedule of Rates Public Works Department [ PWD ELECTRICAL 01-06-2020]

ELECTRIC WORK						
S No.	Ref. no	Item of Work	Unit	Rate	Qty	Amount
1	1.10	WIRING IN CONCEALED PVC conduit Wiring for light plug point with 3x2.5 sq mm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) along with modular type 6 Amp switch and 3 pin 6 amps socket outlet with modular base and cover plate, suitable size G.I box, earthing the switch box and socket outlet with same size wire etc. as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)				
	1.10.1	Short Point	Point	442.00	15	6630.00
	1.10.2	Medium Point	Point	659.00	18	11662.00
	1.10.3	Long Point	Point	922.00	10	9220.00
	2.13	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, wire in surface FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) etc as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)				
		3 X 2.5 sq. mm in 20mm conduit	Metre	87.00	19	1653.00
6	5.1	Supplying and fixing following piano type switch, socket, other accessories on the existing switch box/ cover including connections etc. as per specification.				
	5.1.12	Fan regulator Electronic, step type moving all round	Each	130.00	19	2470.00
	6	FANS, LUMINARIES AND LAMPS				
7	6.1	Supplying, installation, testing and commissioning of following sizes ceiling fan including wiring the down rods of standard length up to 30 cm with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, earthing etc. complete as required. P.F. should be greater than 0.9, with BEE Star rating from 3 star and above,				
	6.1.3	1200 mm sweep	Each	1697.00	15	25455.00
8	6.5	Supplying and fixing of wall/ cabin fan including connection etc. as per specification. P.F. should be greater than 0.9				

	6.5.1	300 mm sweep	Each	1387.00	4	5548.00
9	6.17	Supplying, fixing, testing and commissioning of following LED lamps with inbuilt electronic driver heat sink and all other accessories in existing holder/ luminaires as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio $\geq 100$ lumens/Watt.				
	6.17.5	12 Watt	Each	215.00	5	1075.00
10	6.19	Supplying, installation, testing and commissioning of following LED tube light fitting including batten with Electronic Driver Heat sink Capacitor complete with all other accessories on surface/ in false ceiling, including connection, earthing etc complete as per specification and IP20, P.F. should be greater than 0.9. LED chip efficacy ratio				
	6.19.3	18/20 watt {4 feet}	Each	443.00	10	4430.00
	7	MAIN METAL BOARD, BBC, IC				
11	7.10	Providing and fixing metal clad, TP&N switch fuse unit (re-wirable), 415/500 volts, with porcelain re-wirable fuses including drilling holes on the board, connections, earthing the body etc. as per specification. (Thimbeling shall be paid separately).				
	7.10.1	32 amps	Each	926.00	4	3704.00
	9	MCCB, MCB, MCB DB				
12	9.10	Supplying and fixing SP MCB, 240 volts, 'B' curve, suitable for lighting and other loads in the existing MCB DB complete with connections, testing and commissioning etc. as per specification.				
	9.10.1	6 amps to 32 amps	Each	151.00	4	604.00
13	9.19	Supplying and fixing following rating, 240 volts TWO POLE ISOLATOR in the existing MCB DB complete with connections, testing and commissioning etc. as per specification.				
	9.19.3	63 amps	Each	337.00	2	674.00
	12	EARTHING				

14	12.1	Earthing with GI earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal and salt as per specification and IS Code 3043: 1987(R 2016)	Sol	3243 00	1	3243 00
15	12.18	Providing and fixing 8 SWG dia GI wire on surface or in recess for loop earthing along with existing surface/ concealed conduit/ submain wiring/ cable as per specification.	Metre	40.00	30	1200.00
16	15.8	Supplying and laying following sizes one number FRLS PVC Insulated/ XLPE, PVC sheathed, unarmoured, aluminium conductor power cable of 1.1 KV grade on surface/ existing cable tray with 1 mm thick GI saddle as per specification, IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1).				
	15.8.3	2 x 10 sq. mm	Metre	93.00	20	1860.00
14	15.11	Supplying and hanging following sizes one number FRLS PVC Insulated /XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade on GI bearer wire (binded at every metre) including cost of bearer wire complete as per specification, IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1).				
	15.11.3	2 x 10 sq. mm. on 8 SWG GI bearer wire	Metre	30.00	60	1800.00
					<b>TOTAL</b>	<b>81428.00</b>

*Jashan*  
  
 Sub Engineer  
 Municipal Corporation  
 Korba(C.G.)

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