

कायालय, नगर पालिक निगम, कारबा (छत्तासगढ़)

फा.क. 323 / 2025

सिस्टम टेंडर नं. 177262

कोरबा दिनांक 08.10.2025

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 (01.06.2020) से प्रभावशील दर अनुसूची पर (निविदा खुलने के दिनांक तक समस्त संशोधनों के साथ शेड्यूल अनुसार प्रतिशत दर पर ई-प्रोक्चुरमेंट (E-Tendering) के माध्यम से निविदा प्रपत्र Form-A में निविदा आमंत्रित की जाती है:-

1. फिजिकल सबमिशन लिफाफा प्राप्त होने की अंतिम तिथि — 31.10.2025 सायंकाल से 3.00 बजे तक
2. निविदा खुलने की अंतिम तिथि — 31.10.2025 सायंकाल 4.00 बजे से

क.	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. 36 अंतर्गत 100 बेड हॉस्पिटल के केम्पस में वेटिंग हॉल का निर्माण कार्य (जि. ख.न्या मद)	39.60	29700/-	06 माह	1500/-	वर्ग डी एवं प्रवर श्रेणी	31.10.2025 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 (पार्टनरशिप डीड) की सत्य प्रतिलिपि, उपलब्ध तकनीकी अमले की जानकारी, विगत 3 वर्षों का आयकर चुकता प्रमाण पत्र, पेन नम्बर, वैध 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 रकने 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 (वर्तमान तक वैधता) एवं कर्मचारी राज्य बीमा निगम, रायपुर से पंजीयन कराकर कोड प्राप्त कर लिया हो वे निविदाकार ही निविदा हेतु पात्र होंगे। कर्मचारी भविष्य निधि संगठन (ई.पी.एफ.) एवं विभिन्न प्रावधानों की धारा 1952 के तहत निविदाकार का जीवित पंजीयन होना आवश्यक है साथ ही निविदा आमंत्रण दिनांक से विगत 03 माह की अवधि में जमा किये गये TRRN Payment Details चालान की प्रति प्रस्तुत करना तथा ऑनलाईन अपलोड किया जाना अनिवार्य होगा।
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 पलाई 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 देयकों का भुगतान कार्य विशेष हेतु बजट आवंटन 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 कियान्वयन 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		08.10.2025	15.30	08.10.2025	15.30	Release Tender
2		Bid Submission	08.10.2025	15.30	29.10.2025	17.30	
3		Physical Document Submmission	08.10.2025	15.30	31.10.2025	15.00	
4	Tender Open		31.10.2025	16.00	--	--	


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

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

ABSTRACT

Name of Work : **CONSTRUCTION OF WAITING HALL IN 100 BED HOSPITAL CAMPUS WARD NO. 36**
As per SOR : **SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD BUILDING-01.01.2015]**

S.N	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	16.17	Dismantling G.I. sheet roofing including ridges hips, valleys and gutters etc. and stacking the material with 50 m lead.	sqm	120	33.50	4,020.00
2	16.31	Dismantling steel work in built-up section in angles, channels, flats I-section and T-section including all gusset plates, bolts, nuts, cutting rivets, welding etc., including dismembering and stacking within 50 metres lead.	kg	480.00	1.00	480.00
3	16.43	Demolishing cement concrete including disposal of material within 50 metre lead.				
	3.2	1:3:6 or richer mix	cum	35.83	549.00	19,670.67
4	1.1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.				
	1.1	In all types of soils.	cum	68.85	185.00	12,737.25
5	3.1	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.				
	1.3	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).	cum	29.07	2970.00	86,337.90
6	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.	cum	108.15	371.00	40,123.65
7	3.2	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.				
	2.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	cum	77.45	4163.00	322,424.35
8	3.12	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete:				
	2.1	Thermo-Mechanically treated bars FE 415	kg	8519.50	54.50	464,312.75
9	2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:				
	1.1	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	sqm	134	139.00	18,626.00
	1.5	Columns, Pillars, Piers and likes- rectangular or square in shape	sqm	74.36	297.00	22,084.92
	1.8	Beams, lintels, cantilevers & walls	sqm	135.6	202.00	27,391.20
	1.7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	sqm	236.75	235.00	55,636.25
	1.13	Weather shade, chhajja, Cornices and mouldings	sqm	24.64	294.00	7,244.16
10	7.5	Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:				
	5.4	Cement Mortar 1:6 (1 cement : 6 coarse sand)	cum	53.49	3263.00	174,537.87
11	7.6	Extra for brick work in superstructure above plinth level for every floor or part	cum	36.98	121.00	4,474.58

REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	thereof in addition to rate for foundation and plinth:				
12	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 red oxide zinc chromate primer.	sqm	12.60	3330.00	41,958.00
13	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: 1868, minimum anodic coating shall be of grade AC-15. (Glazing to be paid for separately:				
	7.2 For shutter of doors, windows & ventilators including providing and making provision for fixing of fitting wherever required including the cost of PVC/ neoprene gasket required (Fittings shall be paid for separately).	Kg	391.5	338.00	132,327.00
14	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):				
	1.3 With float glass panes of 6 mm thickness	sqm	13.5	804.00	10,854.00
	1.4 With float glass panes of 8 mm thickness	sqm	12.60	1051.00	13,242.60
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.	kg	378.00	67.50	25,515.00
16	11.1 Providing and making 6mm thick cement plaster of mix:				
	1.2 In Cement mortar 1:4 (1 cement : 4 fine sand)	sqm	375.64	87.00	32,680.68
17	11.2 Providing and making 12mm thick cement plaster of mix:				
	2.3 In Cement Mortar 1:5 (1 cement : 5 fine sand)	sqm	185.4	96.50	17,891.10
18	11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:				
	3.3 In Cement Mortar 1:5 (1 cement : 5 fine sand)	sqm	278.64	113.00	31,486.32
19	14.13 Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even.	sqm	610.88	94.50	57,728.16
20	14.16 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:				
	6.1 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)	sqm	610.88	74.50	45,510.56
21	12.13 Providing and laying vitrified floor tiles with double charge/ multi charge printing with water absorption less than 0.5% and conforming to IS : 15622 of approved make in all colours and shades and size mentioned below (+/- 10mm), laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.				
	3.1 Size 600x600mm	sqm	235.95	1151.00	271,578.45
22	3.1 Providing and laying nominal mix plain cement concrete with crushed				

REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	stone aggregate using concrete mixer in all works upto plinth level including cost of form work.				
1.5	1.5 3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	cum	1.89	4073.00	7,697.97
23	10.63 Providing and fixing 97mm thick Gypsum board partition upto ceiling height consisting of frame work 'W' / 'U' / 'L' sections made of G.I. sheet with zinc coating of grade 120, consisting of floor and ceiling channel 50mm wide having equal flanges of 32mm and 0.55mm thick fixed to the floor and ceiling at the spacing of 610mm centre to centre with dash fastener of 12.5mm diameter 40mm length and the studs 48mm wide having one flange of 34mm and other flange 36mm and 0.55mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610mm centre to centre by 6mm dia bolts and nuts at both ends of partition fixed flush to wall with rawl plugs at spacing of 450mm centre to centre and fixing of boards to either side of frame work by 25mm dry wall screws on studs, floor and ceiling channels at the spacing of 300mm centre to center and 97mm thick Gypsum board which includes one layer of tapered edge 12.5mm thick Gypsum plaster board (conforming I.S. 2095-1982) screw fixed with 25mm screws at 300mm centre to centre to either side, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, joint finisher and two coats of primer suitable for board as per manufacture's specification and Direction of Engineer-in-charge all complete.	sqm	210.00	758.00	159,180.00
24	9.43 Providing and fixing in position chain linked steel wire fabric made of 4 mm dia G.I. wire of required width in mesh to concrete/ wooden/ angle iron posts including securing and screwing with 2mm dia G.I. wire, G.I. staples, G.I.U-nails or steel pins etc., complete.				
	3.1 Aperture 50x50mm	sqm	525.00	331.00	173,775.00
25	9.60 Designing, providing and fixing aluminium frame work made of special aluminium section on building face with M.S. angle iron brackets fixed on RCC structure with S.S. hold fasteners, including providing and fixing two sided structural adhesive tape of appropriate grade (NORTON or equivalent), on aluminium sections for fixing aluminium/ glass panel, sealing on periphery of frame work, by providing EPDM gasket, silicon weather sealant between aluminium frame and building structure including hire charges of double scaffolding complete.	kg	1162.50	357.00	415,012.50
26	9.61 Providing and fixing aluminium composite panels in approved panel sizes, thickness and shape on aluminium frame work on face of building. (Frame to be paid separately)				
	1.2 4mm thick	sqm	155.00	1745.00	270,475.00
27	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 complete.				
	7.2 Size above 200x300mm	sqm	114.50	646.00	73,967.00

As per Estimate Amount Rs. 3,040,980.8
 FOR ELECTRICAL WORK Add Above 9 % 273,688.2
 Grand Total Rs. 3,314,669.1
 Say Rs.

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

DETAILED ESTIMATE

Name of work:- Construction Of Ladies and Gents Toilet For Waiting Hall

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								
			8	1.20	1.20	1.20	13.82			
			4	2.60	0.60	0.60	3.74			
			4	1.60	0.60	0.60	2.30			
			1	3.50	2.80	1.80	17.64			
						Total=	37.51	Cum	185.00	6939.72
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.								
			32	0.50	0.25		4.00			
			16	0.20	0.6		1.92			
			16	0.30	0.6		2.88			
			8	4.50	0.300		10.80			
			8	3.10	0.300		7.44			
						Total=	27.04	Sqm	139.00	3758.56
	5	Columns, Pillars, Piers and likes- rectangular or square in shape								
			16	0.20		2.10	6.72			
			16	0.30		2.10	10.08			
						Total=	16.80	sqm	297.00	4989.60
	7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)								
			2	4.60	3.00		27.60			
			2	3.00	0.60		3.60			
		chhajja	1	3.00	2.40		7.20			
						Total=	38.40	sqm	235.00	9024.00
	8	Beams, lintels, cantilevers & walls								
			8	4.50	0.300		10.80			
			8	3.10	0.300		7.44			
						Total=	18.24	sqm	202.00	3684.48

		Walls of any thickness including attached pilasters, buttresses etc. in super structure											
		septic tank	4	3.00	1.80		21.60						
			6	2.40	1.80		25.92						
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.				Total=	47.52	sqm	228.00	10834.56			
			8	1.20	1.20	0.10	1.15						
			4	2.60	0.60	0.10	0.62						
			4	1.60	0.60	0.10	0.38						
			2	3.00	2.80	0.60	10.08						
			2	3.00	1.50	0.10	0.90						
						Total=	13.14	Cum	371.00	4874.94			
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).											
			8	1.20	1.20	0.10	1.15						
			4	3.10	0.60	0.10	0.74						
			4	2.10	0.60	0.10	0.50						
			2	4.10	3.10	0.10	2.54						
			1	3.20	2.40	0.10	0.77						
						Total=	5.71	Cum	2659.00	15182.89			
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 load rate 50 MM and 1 1/4 upto 4.5 M.					37.51						
						Total=	37.51	Cum	65.00	2438.28			
6	3.2	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.											
	1	1:1 1/2:3 (1 cement : 1 1/2 coarse sand : 3 graded stone aggregate 20mm nominal size).											
			8	1.10	1.10	0.25	2.42						
			8	0.50	0.50	0.30	0.60						
			8	0.20	0.30	0.60	0.29						
			4	4.50	0.20	0.60	2.16						
			4	3.10	0.20	0.30	0.74						
			8	0.20	0.30	2.10	1.01						

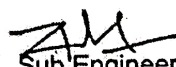
		4	4.50	0.20	0.30	1.08			
		4	3.10	0.20	0.30	0.74			
		2	4.60	3.00	0.13	3.45			
		2	3.00	0.20	1.80	2.16			
		3	2.40	0.20	1.80	2.59			
		1	3.00	2.80	0.13	1.05			
		2	3.00	0.60	0.10	0.36			
		4	1.40	0.20	0.30	0.34			
		2	3.10	0.20	0.30	0.37			
					Total=	19.36	Cum	4163.00	80612.33
7	3.4	Extra for laying PCC/RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and				0.00	Cum	97.50	
8	3.12	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all							
	1	Thermo-Mechanically treated bars FE							
		1	100	19.36		1936.40			
					Total=	1936.40	kg	54.50	105533.80
9	7.5	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:							
	3	Cement Mortar 1:6 (1 cement : 6 coarse sand)							
		4	3.40	0.20	0.60	1.63			
		4	2.60	0.20	0.60	1.25			
		4	1.20	0.20	0.40	0.38			
		2	2.20	0.20	0.40	0.35			
		4	3.40	0.20	2.10	5.71			
		4	2.60	0.20	2.10	4.37			
		4	5.00	0.20	0.30	1.20			
		4	4.00	0.20	0.30	0.96			
		2	3.50	1.50	0.20	2.10			
		6	1.50	0.30	0.20	0.54			
					Total=	18.50	Cum	3263.00	60352.45
10	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	3.00	1.50	0.10	0.90			
					Total=	0.90	Cum	4073.00	3665.70

[illegible]

	2	In Cement mortar 1:4 (1 cement : 4 fine sand)							
			2	4.0	3.00		24.0		
			2	3.50	0.60		4.2		
						Total=	28.20	sqm	87.00 2453.40
16	11.2	Providing and making 12mm thick cement plaster of mix							
	4	In Cement Mortar 1:6 (1 cement : 6 fine sand)							
			4	4.00		3.90	62.40		
			4	3.00		3.90	46.80		
							0.00		
						Total=	109.20	sqm	91.50 9991.80
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)							
			4	3.80		2.40	36.48		
			4	2.60		2.40	24.96		
			8	1.20		2.40	23.04		
			4	2.20		2.40	21.12		
							0.00		
						Total=	105.60	sqm	107.00 11299.20
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.							
							243.00		
						Total=	243.00	sqm	94.50 22963.50
							133.80	sqm	44.50 5954.10
19	14.1	Wall painting with acrylic premium emulsion (plastic) paint of required shade to give an even shade.							
	1	On new work (Two or more coats)							
						Total=	109.20	sqm	56.00 6115.20
20	14.2	Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's							
	1	On new work (Two or more coats)							
21	8.12	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.							
	2		2	1.10		2.10	4.62	sqm	2467.00 11397.54

22	8.14	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=	12.00	nos	49.50	594.00		
23	8.58	Providing and fixing bright finished brass butt hinges with brass polished MS screws complete:										
		8.58.1 125x85x5.50 mm (Heavy Type)				Total=	12.00	nos	245.00	2940.00		
24	8.14	Providing and fixing stainless steel hanging door stopper with necessary stainless steel screws complete.										
	1	Single				Total=	6.00	nos	47.00	282.00		
24	8.15	Providing and fixing factory made PVC door shutters of specified thickness made of styles and rails of a UPVC hollow section of specified size 59x24 mm and wall thickness 2 mm \pm 0.2 mm with inbuilt edging on both sides. The styles and rails mitred and joined at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws										
	2	8.149.1 24 mm thick door shutters	2	0.80	2.00		3.20					
						Total=	3.20	sqm	2399.00	7676.80		
										TOTAL=	517461.13	

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


Sub Engineer
Municipal Corporation
Korba (C.G.)

PART - B - SANITATION WORK

1	18.8	Providing and fixing on wall face UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc complete.								
	1	75 mm dia pipe.	1	24.00			24.00	metre	182.00	4368.00
	2	110 mm dia pipe.	1	30.00			30.00	metre	267.00	8010.00
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 the walls and floors wherever required :					2	each	2899.00	5798.00
	3	White Orissa pattern W.C. pan of size 580x440 mm								
3	18.2	Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :					2	each	2177.00	4354.00
	1	Coloured Oval or round size 550x400mm.								
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 mm gap for thermal expansion.								
	1	Tee/ Tee with door/ Bend 45°/ Bend 90°								
	1	75 mm					2.00	each	113.00	226.00
	2	110 mm					10.00	each	154.00	1540.00
	3	Vent cover								
	1	75 mm					4.00	each	34.00	136.00
	6	Nahani trap 110x75mm					6.00	each	90.50	543.00

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 l/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.					77.00	metre	110.00	8470.00
	3	25 mm nominal outer dia .Pipes.					35.00	metre	199.00	6965.00
	4	32 mm nominal outer dia .Pipes.					35.00	metre	271.00	9485.00
6	19.1	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved								
	1	Bib cock (250 grams)					6.00	each	185.00	1110.00
7	19.1	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)					14.00	each	494.00	6916.00
	4	Piller Cock (400 grams)					2.00	each	398.00	796.00
8	19.1	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)					2.00	each	455.00	910.00
	11	Hand shower set with flexible extension pipe					2.00	each	754.00	1508.00
9	19.2	Providing and fixing stainless steel drain jali of approved make/quality.					12.00	each	51.00	612.00
10	19.2	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

11	19.5	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 mm thick finished with a floating coat of neat					2.00	each	4356.00	8712.00
12	18.14	Providing and fixing white vitreous china urinal basin as per IS : 2556 complete:								
	2	Flat back type urinal of size 460x380x250mm					6.00	each	872.00	5232.00
13	19.4	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.					1000.00	litre	7.30	7300.00
TOTAL =										89067.00

Part A 517461.13

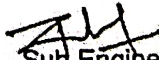
total= 606528.13

Electrification work 38616.00

total= 645144.13

Say rs.= 645000.00

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


Sub Engineer
Municipal Corporation
Korba (C.G.)

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

DETAILED ESTIMATE

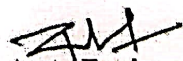
Name of work :- Internal Electrification

As per SOR: Schedule of rates public works department [PWD ELECTRICAL-01-06-2020] PART- B

S. N.	SOR Ref.	ITEM DESCRIPTION	NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
1	1.1	Wiring for light/ fan/ exhaust fan / call bell point with 3x1.5 sqmm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) with 5/6 amp piano type switch, phenolic laminated sheet, suitable size M.S. box etc as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)								
	1	Short Point	10				10	Point	240.00	2400.00
	2	Medium Point	4				4	Point	376.00	1504.00
2	1.3	Extra for providing and fixing light plug point on board in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) point wiring with piano type 3 pin 5/6 amp socket outlet and 5/6 amp switch including cost of phenolic laminated sheet and M.S. box etc. as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)	2				1.00	Point	87.00	87.00
3	1.13	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, wire in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)								
	4.13.3	3 X 2.5 sq. mm in 20mm conduit	2	50.00			100.00	Metre	111.00	11100.00
		Supplying, installation, testing and commissioning of following sizes heavy duty (continuous running) 1400 rpm exhaust fan in existing opening in wall including earthing etc. complete as per specification. P.F. should be greater than 0.9								
		300 mm sweep					4	nos	2446.00	9784.00

5	6.15	Supplying, installation, testing and commissioning of following LED fitting (luminaries) Panel Light In round/ square shape complete with electronic driver heat sink capacitor and all other accessories on surface/ in false ceiling etc. as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio ≥ 100 lumens /watt.							
	8.22.	12 Watt	6			6.00	Each	588.00	3528.00
	8.22.	15 Watt	4			4.00	Each	679.00	2716.00
	5.1	Supplying and fixing following piano type switch, socket, other accessories on the existing switch box/ cover including connections etc. as per specification.							
	5.1.1	5/6 amps one way switch	1			1.00	Each	25.00	25.00
	5.1.4	15/16 amps switch	3			3.00	Each	59.00	177.00
	5.1.5	3 pin 5/6 amp socket outlet	3			3.00	Each	42.00	126.00
6	5.1.6	6 pin 15/16 amp socket outlet	2			2.00	Each	73.00	146.00
	5.1.7	Plug Top 3 pin 5/6 Amps (For light plug).	2			2.00	Each	38.00	76.00
	5.1.8	Plug Top 3 pin 16 Amps (For power plug).	1			1.00	Each	51.00	51.00
	5.1.11	Fan regulator Electronic, step type moving all round	4			4.00	Each	130.00	520.00
	5.1.13	Ceiling rose 3 pin 5 amps	2			2.00	Each	32.00	64.00
	5.1.14	Batten/ angle holder	10			10.00	Each	38.00	380.00
7	9.1	Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as per specification, IS/ IEC: 60947-2 and Ics = 100 % Icu.							
	11.17	3 pole MCCB, 25-63A, Fixed Thermal Release, 10KA	4			4.00	Each	1483.00	5932.00
(b)TOTAL =									38616.00

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