

कार्यालय, नगर पालिक निगम, कोरबा (छत्तीसगढ़)

फा.क. 2069 / 2024

सिरस्टम टेंडर नं. 159831

कोरबा दिनांक 14.10.2024

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, विद्युत कार्य 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 - 06.11.2024 सायंकाल से 3.00 बजे तक
2. निविदा खुलने की अंतिम तिथि - 06.11.2024 सायंकाल 4.00 बजे से

क्र.	कार्य का नाम	प्रावकलन राशि (लाख में)	धरोहर राशि (FDR/TDR)	कार्यावधि	निविदा प्रतिभागी शुल्क (डिमांड ड्राफ्ट)	ठेकेदार का वर्ग	निविदा खुलने की तिथि
1	वार्ड क्र. 42 शिवनगर बिरसामुण्डा में सामुदायिक भवन निर्माण कार्य (जिला खनिज मद)	25.00	19000/-	4 माह	750/-	वर्ग डी एवं प्रवर श्रेणी	06.11.2024 से

शर्तें-

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 (पार्टनरशीप डीड) की सत्य प्रतिलिपि, उपलब्ध तकनीकी अगले 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 स्कैन कापी ऑन लाईन सिरस्टम 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 कोसावाड़ी 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 सिक्युरिटी 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 तदअंतर्गत 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 पलाईन 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 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 क्रियान्वयन 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।

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

प्रतिलिपि-

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

Date-Time Detail(s)

Seq. No.	Nagar Nigam Stage	Contractor Stage	Start		Expiry		Remarks
			Date	Time	Date	Time	
1	Release Tender		14.10.2024	10.00	14.10.2024	10.00	Release Tender
2		Bid Submission	14.10.2024	10.00	04.11.2024	17.30	
3		Physical Document Submission	14.10.2024	10.00	06.11.2024	15.00	
4	Tender Open		06.11.2024	16.00	--	--	


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

**Bill Estimate for Construction OF SAMUDAYIK BHAWAN AT SHIVNAGAR, BIRSAMUNDA
MOHALLA, WARD NO-42, KORBA (C.G.)**

Abstract Ground Floor

SOR ITEM	Particulars of Items	Qty.	Unit	Rate	Amount
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 1	In all types of soil	216 000	cum	185 00	39960 00
2 1 6	Extra for every additional lift of 1.5 m or part thereof				
1 6 1	All types of soils	216 000	cum	26 50	5724 00
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	196 610	cum	371 00	27858 00
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 3	1:3:6 (1 cement 3 coarse sand 6 graded stone aggregate 40mm nominal size)	24 432	cum	2970 00	27205 00
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				
3 2 1	1:1½:3 (1 cement 1½ coarse sand 3 graded stone aggregate 20mm nominal size)	109 909	cum	4163 00	457550 00
6 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 plinth	65 683	cum	97 50	6404 00
7 3 12	Providing and placing in position reinforcement for R C C work including straightening cutting, bending etc complete as per drawings including cost of binding wire All complete				
3 12 1	Thermo-Mechanically treated bars FE 415	12089 97	kg	54 50	658903 00
8 2 1	Providing and fixing form work including centring shuttering strutting staging propping bracing etc complete and including its removal at all levels for				
2 1 1	Foundations footings bases of columns plinth beam curtain wall in any shape and size and all type of wall below plinth level	68 54	sqm	139 00	9527 00
2 1 5	Columns, Pillars, Piers and likes- rectangular or square in shape	42 24	sqm	297 00	12545 00
2 1 8	Beams, lintels, cantilevers & walls	75 28	sqm	202 00	15206 00
2 1 13	Weather shade, chhajja, Cornices and mouldings	8 40	sqm	294 00	2470 00
2 1 7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	145 06	sqm	235 00	34089 00
9 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				
7 5 4	Cement Mortar 1:6 (1 cement 6 coarse sand)	18 414	cum	3263 00	60085 00
10 3 13	Providing and laying damp proof course (upto 50mm thick) with plain cement concrete 1:2:4 (1 cement 2 coarse sand 4 graded crushed stone aggregate 20mm nominal size) including form work	2 064	cum	4237 00	8745 00

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				
7.5.4		Cement Mortar 1:6 (1 cement : 6 coarse sand)	53 000	cum	3263 00	172939 00
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	53 000	cum	121 00	6413 00
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	360 00	Kg	67 50	24300 00
14	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 40x40x8mm with 38mm steel pulleys complete with bolts, nuts, locking arrangement, stoppers, handles including applying a priming coat of red oxide zinc chromate primer				
			3 75	cum	3330 00	12488 00
15	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 leak ply veneering with vertical grains or cross bands and face veneers on both faces of shutters excluding hinges				
	8.12.2	35 mm thick (single leaf)	14 40	sqm	2005 00	28872 00
16	9.27	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	14 40	sqm	361 00	5198 00
17	11.2	Providing and making 12mm thick cement plaster of mix				
	11.2.4	In Cement Mortar 1:6 (1 cement : 6 fine sand)	730 26	sqm	91 50	66819 00
18	11.3	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix				
	11.3.4	In Cement Mortar 1:6 (1 cement : 6 fine sand)	236 800	sqm	107 00	25338 00
19	11.1	Providing and making 6mm thick cement plaster of mix				
	11.1.2	In Cement mortar 1:4 (1 cement : 4 fine sand)	244 157	sqm	87 00	21242 00
20	12.13 12.13.1	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	208 41	sqm	1151 00	239884 00
21	12.10	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				
	12.10.1	Size 300x300mm	102 24	sqm	858 00	87724 00

4	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 JK wall putty) on walls to make the surface smooth and even	1211 22	sqm	94 50	114460 00
	14 9	Distemping with acrylic washable distemper to give an even shade				
	14 9 1	On new work (Two or more coats)	974 42	sqm	38 00	37028 00
24	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				
	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)	236 80	sqm	56 00	13261 00
25	14 22	Painting on new work (two or more coats) to give an even shade with				
	14 22 1	Satin synthetic enamel paint	25 20	sqm	55 00	1386 00
			Total Amount			2223623 00

fileep

SUB ENGINEER
NAGAR NIGAM
KORBA (C.G.)

19
19/04/24

ASSISTANT ENGINEER
NAGAR NIGAM
KORBA (C.G.)

**Detailed Estimate for Construction OF SAMUDAYIK BHAWAN AT
SHIVNAGAR, BIRSAMUNDA MOHALLA, WARD NO-42, KORBA (C G.)**

ABSTRACT

WATER SUPPLY & SANITARY FITTING

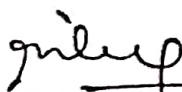
S NO	ITEM NO	PARTICULARS	QTY	UNIT	RATE	AMOUNT
1	197	Providing and fixing on wall surface G I pipes medium class complete with G I fittings and clamps including cutting making good the walls etc and testing of joints complete				
	1971	15 mm dia nominal bore	10 00	metre	118 75	1188 00
	1972	20 mm dia nominal bore	20 00	metre	147 90	2958 00
2	199	Providing and laying in trenches G I pipes medium class complete with G I fittings including excavation of trenches refilling the same and testing of joints complete				
	1993	25 mm dia nominal bore	20 00	metre	168 25	3365 00
3	191	Making connection of G I distribution branch in G I main of following sizes by providing and fixing tee including cutting and threading the pipe etc complete (Dia of main line to be measured)				
	19101	25 mm nominal bore	5 00	each	149 15	746 00
4	1913	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality and weighting not less than 400 grams)				
	19131	Bib cock	3 00	each	230 15	690 00
5	19132	Stop cock	10 00	each	230 15	2302 00
6	181	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				
	1811	White Long pattern W C pan of size 580 mm	2 00	each	2445 95	4892 00

Sl. NO.	ITEM NO	PARTICULARS	QTY	UNIT	RATE	AMOUNT
7	18 4	Providing and fixing vitreous china water closet (European type WC 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 fittings and fixtures complete including cutting and making good the walls and floors wherever required				
	18 4 1	White pedestal type	1 00	each	2054 35	2054 00
8	18 17	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings				
	18 17 1	White Size 630x450 mm	2 00	each	1320 70	2641 00
9	18 22	Providing and fixing white vitreous china laboratory sink with C I brackets C P brass chain with rubber plug 40mm C P brass waste and 40mm C P brass trap with necessary C P brass unions complete including painting of brackets cutting and making good the wall wherever required				
	18 22 2	Size 600x450x200mm	2 00	each	4123 05	8246 00
10	18 74	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 jointing with seal ring conforming to IS 5382 leaving 10 mm gap for thermal expansion				
	18 74 1	75 mm dia pipe	30 00	metre	121 15	3635 00
	18 74 2	110 mm dia pipe	30 00	metre	234 40	7032 00
11	18 75	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				
	18 75 1	Coupler				
	18 75 1 1	75 mm	10 00	each	65 55	656 00
	18 75 1 2	110 mm	10 00	each	90 55	906 00
	18 75 2	Single tee with door				
	18 75 2 1	75x75x75 mm	10 00	each	104 60	1046 00
	18 75 2 2	110x110x110 mm	10 00	each	196 75	1968 00

NO	ITEM NO	PARTICULARS	QTY	UNIT	RATE	AMOUNT
	18 75 5	Plain bend				
	18 75 5 1	75 mm bend	10 00	each	146 75	1468 00
	18 75 5 2	110 mm bend	10 00	each	183 45	1835 00
	18 75 6	Vent cover				
	18 75 6 1	75 mm	5 00	each	29 65	148 00
	18 75 6 2	110 mm	5 00	each	32 80	164 00
12	20 1	Providing laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement 1 fine sand) including testing of joints etc complete				
	20 1 2	150 mm diameter	10 00	metre	210 65	2107 00
13	20 2	Providing and laying cement concrete 1:5:10 (1 cement 5 coarse sand 10 graded stone aggregate 40 mm nominal size) all-round S W pipes including bed concrete 150mm thick as per standard design				
	20 2 2	150 mm diameter S W pipe	10 00	metre	333 60	3336 00
14	20 3	Providing and fixing square-mouth S W gully trap grade 'A' complete with C I grating brick masonry chamber with well burnt modular clay bricks crushing strength not less than 35kg/ cm ² . water tight C I cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4 50 kg and frame to be not less than 2 70 kg as per standard design				
	20 3 2	150 x 100 mm size P type	5 00	each	1224 80	6124 00

NO.	ITEM NO.	PARTICULARS	QTY	UNIT	RATE	AMOUNT
	20 27	Providing and constructing brick masonry chamber for underground C I inspection chamber and bonds with well burnt modular clay bricks crushing strength not less than 35kg/cm ² in cement mortar 1 4 (1 cement 4 coarse sand) C I cover with frame (light duty) 455x610 mm internal dimensions total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) R C C top slab with 1 2 4 mix (1 cement 2 coarse sand 4 graded stone aggregate 20 mm nominal size) foundation concrete 1 5 10 (1 cement 5 fine sand 10 graded stone aggregate 40 mm nominal size) inside plastering 12 mm thick with cement mortar 1 3 (1 cement 3 coarse sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc complete as per standard design				
	20 27 1	Inside dimensions 455x610 mm and 45 cm deep for single pipe line	4 00	each	3519 95	14080 00
16	20 29	Providing and constructing soak pit 2 5 m diameter 3 0 metre deep with 45 x 45 cm dry brick honey comb shaft with well burnt modular clay bricks crushing strength not less than 35kg/cm ² and S W drain pipe 100 mm diameter, 1 8 m long complete as per standard design	2 00	each	11007 85	22016 00
17	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	5 35	10700 00
18	19 17	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete				
	19 17 1	15 mm nominal bore	2 00	each	253 30	507 00
	19 17 2	20 mm nominal bore	3 00	each	328 40	985 00

ITEM NO.	PARTICULARS	QTY	UNIT	RATE	AMOUNT	
21 1	Carrying out the resistivity survey by VES method using Schlumberger configuration for locating the proper spot for drilling of tube well with in the selected habitation. including photography, interpretation of resistivity data and submission of report in the desired format along with resistivity readings necessary graph and photographs (only successful point is payable)	1 00	point	920 00	920 00	
20	21 3	Drilling of perfectly vertical bore hole of a diameter suitable to receive 125 mm nominal diameter casing pipe up to desired depth below ground level including providing, lowering and fixing of 125 mm nominal dia ISI marked U P V C Screen casing pipe with ribs conforming to IS 4985 /1988 inside the bore hole including all work pertaining to drilling, installation and removal of drilling machine etc complete				
	21 3 1	In all types of collapsible strata consisting of soil, clays, sand, moorum, gravel, boulder etc	15 00	metre	653 00	9795 00
	21 3 2	In all types of rock	20 00	metre	788 00	15760 00
21	21 8	Providing and fixing of M S well cap on top to the tube well casing pipe for protection				
	21 8 2	125 mm dia	1 00	each	140 00	140 00
22	21 14	Providing ISI Mark 32 mm dia G I (B class) riser pipe in 3 meter length socketed on one end as per IS 1239 (Part I) 1990 with up to date amendments and socket as per IS 2062/1990 up to date amendments	75 00	metre	160 00	12000 00
				TOTAL RS.	147010.00	


 SUB ENGINEER
 NAGAR NIGAM
 KORBA (C.G.)


 ASSISTANT ENGINEER
 NAGAR NIGAM
 KORBA (C.G.)

ESTIMATE/NIT SCHEDULE FOR PROVIDING INTERNAL ELECTRIFICATION FOR COMMUNITY HALL


Based on sor for electrical works w.e.f. 01.06.2020

SOR. ITEM NO.	DESCRIPTION OF ITEM	UNIT	RATE	QTY.	AMOUNT
1	2	5	3	4	6
2.7	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 surface FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) with 5/6 amp modular switch, modular base and cover plate, suitable size G.I. box as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)				
2.7.1	Short Point	Point	227.00	6.00	1362.00
2.7.2	Medium Point	Point	347.00	15.00	5205.00
2.7.3	Long Point	Point	465.00	10.00	4650.00
2.9	Extra for providing and fixing light plug point on board in surface FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) point wiring with modular type 3 pin 5/6 amp socket outlet and 5/6 amp switch including cost of base and cover plate and G. I. box etc. as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)	Point	222.00	5.00	1110.00
2.11	Wiring for power plug point with 3x4 sq mm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in surface FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) along with modular type 16 Amp switch and 6 pin 16 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)				
2.11.2	Medium Point	Point	817.00	1.00	817.00
2.11.3	Long Point	Point	1157.00	2.00	2314.00
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)				
2.13.1	3 X 1.5 sq. mm in 20mm conduit	Metre	67.00	20.00	1340.00
2.13.2	3 X 2.5 sq. mm in 20mm conduit	Metre	87.00	30.00	2610.00
2.13.3	6 X 2.5 sq. mm in 25mm conduit	Metre	155.00	20.00	3100.00
3.14	Supplying and drawing UTP 4 pair Cat 6 LAN wire in existing surface/ concealed Steel/FRLS PVC conduit as per specification and IS: 694 (2010)	metre	19.00	50.00	950.00
5.4	Supplying and fixing following modular switch, socket, other accessories on the existing modular plate & switch box including connections but excluding modular plate etc. as per specification.				
5.4.4	15/16 amp switch	Each	89.00	5.00	445.00
5.4.5	3 pin 5/6 amp socket outlet	Each	96.00	10.00	960.00
5.4.7	6 pin 20 amp socket outlet	Each	144.00	4.00	576.00
5.4.9	Fan regulator (two module size) electronic stepped type moving all rounds	Each	223.00	10.00	2230.00
5.4.12	Plug Top (Deluxe type) 3 pin 25 Amps (For power plug).	Each	74.00	4.00	296.00
5.4.18	25/32 amp A.C. Starter switch	Each	246.00	4.00	984.00
5.4.20	Ceiling rose 3 pin 5 amp	Each	40.00	12.00	480.00

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, IS: 374.2019 including all amendments.				
6.1.3	1200 mm sweep	Each	1697.00	5.00	8485.00
6.6	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				
6.6.1	300 mm sweep	Each	2446.00	2.00	4892.00
6.18	Supplying, installation, testing and commissioning of following COB LED Spot Light fitting complete with Electronic Driver Heat sink Capacitor and all other accessories including connection, earthing etc. complete as per specification and IP20, P.F. should be greater than 0.9. LED chip efficacy ratio \geq 100 lumens /watt.				
6.18.1	6 watt	Each	846.00	10.00	8460.00
6.18.3	20 watt	Each	1262.00	5.00	6310.00
7.1	Supplying and fixing wall/ floor mounted metal board of welded construction, fabricated with minimum 50mmX 50mm X 6mm angle iron frame work, with horizontal and vertical intermediate members of suitable angle/flat iron for mounting of switch gears including painting etc. as per specification.	sqm	3025.00	0.75	2268.75
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.				
9.1.4	3 pole MCCB, 100A, Adjustable Thermal - Magnetic Release, 25KA	Each	3734.00	1.00	3734.00
9.6	Supplying and fixing on surface/ recess vertical type following way, 415 volts, TPN MCB distribution board of sheet steel phosphatized and powder painted, with 200 amps tinned copper busbar, common neutral link, earth bar, din bar, detachable gland/ knock out plate, provision for 63/100 amp MCCB as incomer including interconnection between incomer MCCB and busbars, earthing etc. as per specification. (But without MCCB and MCB) (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
9.6.1	4 way (4 + 12), Single door with provision for 100 amps MCCB as incomer	Each	3771.00	2.00	7542.00
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	2.00	302.00
9.16	Supplying and fixing TP&N MCB, 440 volts, 'C' curve, suitable for lighting and other loads in the existing MCB DB complete with connections, testing and commissioning etc. as per specification.				
9.16.5	63 amps	Each	1316.00	1.00	1316.00
23.23.10	Rotary switch up to 32 amp. With fitting & testing complete.	Each	592.00	2.00	1184.00
10.17	Providing and fixing penal mounting 230 volt LED type indicating lamp in existing cubical panel including, connections, testing and commissioning etc. as per specification.	Each	94.00	2.00	188.00

11.2	Supplying, installation, testing and commissioning following rating single phase in single phase out ON-LINE UPS including connection etc but without batteries as per specification.				
11.2.1	2 KVA with DC bus voltage 72 V	Each	27365.00	1.00	27365.00
11.4	Supplying, installation, testing and commissioning following rating (Sealed Maintenance Free) lead acid battery including connection as per specification.				
11.4.5	150 AH	Each	14252.00	1.00	14252.00
12.19	Providing maintenance free earthing with following size GI pipe including making bore pit of minimum 150mm dia, providing and laying approved make Earthing Electrode of Pipe-in-Pipe technology as per IS 3043(R 2016) -1987 made of corrosion free G.I. Pipes having outer pipe of 80mm dia and inner pipe of 50mm dia and filling with specified qty highly conductive compound around pipe and above that with soft soil in bore pit complete and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. as per specification:				
12.19.1	With 3 metre long GI Pipes and 50 kg back filling compound.	Each	10955.00	1.00	10955.00
12.20	Excavation for foundation in soft soil/hard soil including dressing of sides and ramming of bottoms, lifting and getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 metres	Cum	168.00	5.60	940.80
12.15	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode at 0.5 Metre depth below ground level including excavation and refilling the trench etc. as per specification.	Metre	126.00	10.00	1260.00
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).				
15.11.20	4 x 25 sq. mm. on 7 SWG GI bearer wire	Metre	161.00	3.00	483.00
GRAND TOTAL					129367


Sub Engineer
Municipal Corporation
Korba (C.G.)


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