

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

फा.क./निर्माण /2019/ 276

सिस्टम टेन्डर नं. 52624
ई-निविदा आमंत्रण सूचना

कोरबा, दिनांक 29/06/2019

लोक निर्माण विभाग से एकीकृत पंजीयन प्रणाली अंतर्गत सक्षम श्रेणी में पंजीकृत ठेकेदारों से निम्नलिखित कार्यों हेतु प्रमुख अभियन्ता लोक निर्माण विभाग, रायपुर द्वारा (भवन) दिनांक 01.01.2015 एवं (विद्युत) दिनांक 15.04.2010 से प्रभावशील दर पर (निविदा खुलने के दिनांक तक समस्त संशोधनों के साथ) कम अधिक या समान दरों पर तथा शेड्यूल अनुसार आयटम दरों पर निम्नलिखित निर्माण कार्य हेतु ऑनलाईन ई-निविदा आमंत्रित की जाती है :-

क्र.	कार्य का नाम	प्राक्कलन राशि लाख में	धरोहर राशि रु में	कार्यावधि	ठेकेदार का वर्ग	निविदा खुलने की अंतिम तिथि
1	वार्ड क 51 में उचित मूल्य दुकान लाटा के पास सामुदायिक भवन एवं अहाता का निर्माण कार्य	22.00	16500/-	04 माह	वर्ग डी एवं प्रवर श्रेणी	23.07.2019 से

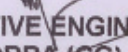
शर्त:-

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, पूर्व में इस प्रकार के किये गये कार्यों की प्रमाणित सूची, उपलब्ध तकनीकी अमले की जानकारी, आयकर प्रमाण पत्र/पेन नम्बर, जी.एस.टी. पंजीयन प्रमाण पत्र एवं अमानत राशि ऑनलाईन जमा करना अनिवार्य होगा, प्रशिक्षित यंत्री नियुक्त करने संबंधी प्रमाण पत्र, कर्मचारी भविष्य निधि रायपुर से पंजीकरण का कोड एवं धरोहर राशि का स्कैन कापी ऑन लाईन सिस्टम पर अपलोड करना अनिवार्य होगा।
4. सम्पूर्ण किये गये कार्यों के लिए प्रत्येक चल देयकों में से 5 प्रतिशत सुरक्षा राशि 01 वर्ष के लिए एवं 5 प्रतिशत परफार्मेंस सिक्यूरिटी की गारंटी के रूप में से 03 वर्ष के लिए रोकी जावेगी।
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. निविदाकार को प्रत्येक निविदा में पंजीयन क्षमता के अंतर्गत वर्तमान में नगर निगम या अन्य विभागों में उनके द्वारा किये जा रहे कार्यों का विवरण राशि सहित मूलप्रति में वैध शपथपत्र देना अनिवार्य होगा।
7. 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।
8. ईट से संबंधित निर्माण कार्यों में फ्लाई एश ब्रिक का उपयोग किया जाना अनिवार्य होगा।
9. प्रयुक्त लोहा का बिल एवं टेस्ट रिपोर्ट तथा प्रयुक्त सीमेंट का बिल संलग्न करना अनिवार्य होगा।
10. 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।
11. निविदा अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नहीं किया जावेगा।
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।

कार्यपालन अभियंता
नगर पालिक निगम
कोरबा (छत्तीसगढ़)

Date-Time Detail(s)

Seq. No.	Nagar Nigam Stage	Contractor Stage	Start		Expiry		Remarks
			Date	Time	Date	Time	
1	Release Tender		29.06.19	10.30	29.06.19	10.30	Release Tender
2		Bid Submission	29.06.19	10.30	22.07.19	17.30	
3	Tender Open		23.07.19	10.30	--	--	


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

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

Name of Work CONST. OF COMMUNITY HALL AND BOUNDARY WALL SURROUND UCHIT MULYA DUKAAN LATA W. NO. 51
As per SOR : SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD BUILDING-01.01.2015]

PART - A

S.N	REF	ITEM DESCRIPTION	UNIT	QTY	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.				
	1.1	In all types of soils.	cum	204.42	185.00	37,817.70
2	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.		75.83	371.00	28,132.93
3	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	106.95	4163.00	445,232.85
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.				
	1.5	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	cum	4.04	4073.00	16,454.92
5	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:				
	12.1	Thermo-Mechanically treated bars FE 415	kg	8500.00	54.50	463,250.00
6	3.14	Providing and mixing water proofing material in PCC/ RCC work in the proportion recommended by the manufacturer.		15.00	43.50	652.50
7	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	80.76	139.00	11,225.64
	1.5	Columns, Pillars, Piers and likes- rectangular or square in shape	sqm	59.40	297.00	17,641.80
	1.7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	sqm	138.54	235.00	32,556.90
	1.8	Beams, lintels, cantilevers & walls	sqm	73.08	202.00	14,762.16
	1.13	Weather shade, chhajja, Cornices and mouldings	sqm	12.51	294.00	3,677.94
8	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:				
	5.3	Cement Mortar 1:5 (1 cement : 5 coarse sand)	cum	104.67	3350.00	350,644.50
9	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:		27.03	121.00	3,270.63
10	7.9	Half brick thick (9cm) brick masonry with modular well burnt clay bricks of crushing strength not less than 35 kg/sqcm and water absorption not more				

S.N	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		than 20% upto plinth level:				
	9.2	Cement Mortar 1:4 (1 cement : 4 coarse sand)	sqm	9.00	435.00	3,915.00
11	9.6	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.				
	6.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	Kg	600.00	68.00	40,800.00
12	11.1	Providing and making 6mm thick cement plaster of mix:				
	1.2	In Cement mortar 1:4 (1 cement : 4 fine sand)	sqm	211.62	87.00	18,410.94
13	11.2	Providing and making 12mm thick cement plaster of mix:				
	2.3	In Cement Mortar 1:5 (1 cement : 5 fine sand)	sqm	529.50	96.50	51,096.75
14	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	529.50	113.00	59,833.50
15	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	18.06	646.00	11,666.76
16	12.49	25 mm thick KOTA stone slab flooring over 20mm (Average) thick base of cement mortar 1:4 laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including grinding rubbing and polishing etc. complete (Area of slab to be over 0.20 sqm and upto 0.50 sqm)		108	897.00	96,876.00
17	12.50	KOTA stone slab 25mm thick in risers and treads of steps, skirting dado and pillar laid in 12mm (Average) thick cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete. (single stone is to be used for riser and treads of steps and the width of stone for skirting and dado shall be equal to the height of skirting/ dado up to length of 1.0 M.)		22.86	990.00	22,631.40
18	12.51	Extra for nosing in steps and treads of Kota stone slab.		12.20	69.50	847.90
19	14.9	Distempering with acrylic washable distemper to give an even shade.				
	9.1	On new work (Two or more coats)	sqm	411.46	38.00	15,635.48
20	14.14	Finishing walls with water proofing cement paint of required shade to give an even shade.				
	14.1	On new work (Two or more coats applied @ 3.84 kg/10 sqm)	sqm	859.16	41.00	35,225.56
21	14.22	Painting on new work (two or more coats) to give an even shade with:				
	22.1	Satin synthetic enamel paint	sqm	43.82	55.00	2,410.10
22	19.7	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:				
	7.1	15 mm dia. nominal bore	metre	20.00	149.00	2,980.00
23	19.7	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:				
	7.2	20 mm dia. nominal bore	metre	14.00	185.00	2,590.00
24	19.9	Providing and laying in trenches G.I. pipes medium class complete with G.I.				

S.N	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		fittings including excavation of trenches, refilling the same and testing of joints complete:				
	9.3	25 mm dia. nominal bore	metre	10.00	222.00	2,220.00
25	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 :				
	1.1	White Long pattern W.C. pan of size 580 mm	each	1.00	2459.00	2,459.00
26	18.76	Providing and fixing on wall face or under floor 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.				
	76.1	75 mm dia pipe.	metre	20.00	182.00	3,640.00
	76.2	110 mm dia pipe.	metre	10.00	267.00	2,670.00
27	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 :				
	1.2	150 mm diameter	metre	10.00	262.00	2,620.00
28	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:				
	2.2	150 mm diameter S.W. pipe	metre	10.00	436.00	4,360.00
29	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 :				
	3.2	150 x 100 mm size P type.	Each	1.00	1397.00	1,397.00
30	20.19	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement and making necessary channels for the drain etc. complete :				
	19.1	For pipes 100 to 230 mm diameter	Each	1.00	207.00	207.00
31	20.28	Providing and constructing brick masonry chamber for underground pipe and and bends 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 :				

S.N	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	28.1	Inside dimensions 455x610 mm and 45 cm deep for single pipe line :	Each	2.00	3796.00	7,592.00
32	20.31	Providing and constructing soak pit 1.20x1.20x1.20m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.		1.00	1709.00	1,709.00
33	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.				
	1.2	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).	cum	13.23	2659.00	35,178.57
34	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.		4.70	3330.00	15,651.00
35	18.20	Providing and fixing stainless steel AISI-304(18/8) 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 :				
	20.2	Size 510x410 mm	each	2.00	4095.00	8,190.00
36	12.9	Providing and laying ceramic glazed floor tiles conforming to IS : 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete.				
	9.1	Size 300x300mm	sqm	3.90	692.00	2,698.80
37	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.				
	77.1	Tee/ Tee with door/ Bend 45° / Bend 90°				
	1.1	75 mm	each	1.00	113.00	113.00
	1.2	110 mm	each	1.00	154.00	154.00
	77.2	Double 'Y' with or without door				
	1.1	75 mm	each	1.00	129.00	129.00
	1.2	110 mm	each	1.00	224.00	224.00
	77.3	Vent cover				
	1.1	75 mm	each	1.00	34.00	34.00
	1.2	110 mm	each	1.00	44.00	44.00
	77.4	Access door cap				
	1.1	75 mm	each	1.00	49.50	49.50
	1.2	110 mm	each	1.00	59.00	59.00
	77.5	'P' trap 110mmx110mm long	each	1.00	227.00	227.00
	77.6	Nahani trap 110x75mm	each	1.00	90.50	90.50
	77.7	Multi floor trap 110	each	1.00	122.00	122.00
38	19.7	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:				
	7.1	15 mm dia. nominal bore	metre	30.00	149.00	4,470.00
	7.2	20 mm dia. nominal bore	metre	20.00	185.00	3,700.00

S.N	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
39	19.13	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality:				
	13.1	Bib cock (250 grams)	each		185.00	
	13.2	Bib cock (350 grams)	each	4.00	237.00	948.00
	13.3	Stop cock (350 grams)	each	4.00	237.00	948.00
40	19.15	Providing and fixing stainless steel drain jali of approved make/quality.		1.00	51.00	51.00
41	9.37	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.		11.00	97.00	1,067.00
42	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.				
	57.1	SS Grade 204	kg	60.00	467.00	28,020.00
43	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.		300.00	75.00	22,500.00
44	1.2	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).		300.00	7.20	2,160.00
45	19.42	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 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	Litre	1000.00	7.30	7,300.00
46	19.10	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)				
	10.1	25 mm nominal bore	each	1.00	200.00	200.00
47	21.1	Boring/drilling bore well perfectly vertical for the specified depth suitable to receive required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge upto 90 metre depth below ground level.				
	1.3	150 mm dia.	metre	20.00	339.00	6,780.00
	1.2	Rocky strata including Boulders.				
	1.2.3	150 mm dia.	metre	30.00	396.00	11,880.00
48	21.2	Boring/drilling bore well perfectly vertical for the specified depth suitable to receive required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge beyond 90 metre & upto 150 metre depth below ground level. All types of soil				
	2.2	Rocky strata including Boulders.				

S.N	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	2.3	150 mm dia.	metre	30.00	424.00	12,720.00
49	21.3	Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer -in-charge.				
	3.3	150 mm nominal size dia.	metre	30.00	540.00	16,200.00
50	21.5	Supplying, assembling, lowering and fixing in vertical position in bore well, ISI marked G.I. casing pipe (Plain) medium class in 4 to 7 meters length one end fitted with socket as per IS: 1239 (Part-1&Part-2) 1992 with IVth revision (Up-to-date amendments), of reputed & approved make, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer- in-charge.				
	5.3	150 mm nominal dia	metre	30.00	1304.00	39,120.00
51	21.10	Development of tube well in accordance with IS : 2800 (part I) and IS: 11189, to establish maximum rate of usable water yield without sand content (beyond permissible limit), with required capacity air compressor, running the compressor for required time till well is fully developed, measuring yield of well by "V" notch method or any other approved method, measuring static level & draw down etc. by step draw down method, collecting water samples & getting tested in approved laboratory, i/c disinfection of tube well, all complete, including hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Engineer-in-charge.	Hour	2.00	654.00	1,308.00
52	21.11	Providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for bore well of:				
	11.3	150 mm dia	each	1.00	217.00	217.00
53	21.12	Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tube well as per IS: 2800 (part I), including necessary bolts & nuts of required size complete.				
	12.3	150 mm clamp.	each	1.00	1055.00	1,055.00
54	21.16	Providing ISI Mark 32 mm dia G.I. (B class) riser pipe and M.S. plunger rod 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.	metre	50.00	275.00	13,750.00
55	21.17	Carrying out the resistivity survey by VES method using Schlumberger configuration for locating the proper spot for drilling of tube well within 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)	point	1.00	1502.00	1,502.00
56	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 lead upto 50 M. and lift upto 1.5 M.	CUM	55.00	65.00	3,575.00
57	3.1	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level				

S.N	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		excluding cost of form work.				
	1.3	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).	cum	13.88	2970.00	41,223.60

As per Estimate Amount Rs. 2102772.83

Sub Engineer
Nagar Palik Nigam
Korba (C.G.)

Assistant Engineer
Nagar Palik Nigam
Korba (C.G.)

Executive Engineer
Nagar Palik Nigam
Korba (C.G.)

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

DETAILED ESTIMATE

Name of Work : **ELECTRIFICATION WORK**

As per SOR : **SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD ELECTRICAL-15-04-2010]**

Pawar B.

SN	REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
1	3.1	Wiring for light/fan/exhaust fan/call bell point with 1.5 sqmm FR PVC insulated stranded copper conductor single core cable in concealed PVC conduit, with 5 amp piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with same size cable etc as required.								
	3.1.1	Short Point					8.00	Point	192.00	1536.00
	3.1.2	Medium Point					19.00	Point	339.00	6441.00
	3.1.3	Long Point					13.00	Point	487.00	6331.00
2	3.9	Extra for providing and fixing light plug point of board in concealed PVC conduit point wiring with modular type 3 pin 5 amp socket outlet and 5 amp switch including cost of base and G.I. box etc. as required.					3.00	Point	209.00	627.00
3	3.13	Wiring for circuit/sub main wiring along with earth wire with the following sizes of FR PVC insulate copper conductor, single core cable in concealed PVC conduit as required.								
	13.2	3x2.5 sq mm in 20 mm conduit					29.00	Meter	91.00	2639.00
	13.3	6x2.5 sq mm in 25 mm conduit					15.00	Meter	152.00	2280.00
4	7.1	Supplying and fixing following piano type switch, socket, other accessories on the existing switch box/ cover including connections etc as required.								
	1.12	Fan regulator Electronic,					10.00	Each	161.00	1610.00

SN	REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
		step type moving all round								
5	7.18	Providing and fixing fan hook made of 12 mm dia steel bar in existing ceiling slab including cutting of roof, fixing hook above reinforcement on both side, repairing with cement mortar 1:2 (1 cement : 2 sand) etc. as required.					10.00	Each	48.00	480.00
6	8.1	Supplying, installation, testing and commissioning of following sizes ceiling fan with resistance type regulator, including wiring the down rods of standard length up to 30 cm with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable earthing etc. complete as required.								
	8.1.2	1200 mm sweep					12.00	Each	1474.00	17688.00
7	8.6	Supplying, installation, testing and commissioning of following sizes heavy duty (continuous running) exhaust fan in existing opening in wall including earthing etc. complete as required.								
	8.6.1	300 mm sweep					3.00	Each	2869.00	8607.00
8	8.9	Supplying installation, testing and commissioning of following T-5 fluorescent fitting (luminaries) complete with electronic ballast but without fluorescent lamp, on ceiling/wall surface earthing the fitting etc. complete as required.								
	8.9.1	Single box type with decorative end caps					13.00	Each	530.00	6890.00
9	8.17	Supplying fixing, testing and commissioning of following CFL (Built in choke type) in existing lighting luminaries as required)								

SN	REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
	.17.7	26 Watt					9.00	Each	264.00	2376.00
	17.11	85 Watt					3.00	Each	735.00	2205.00
10	8.18	Supplying, fixing and testing and commissioning of following CFL without ballast in existing CFL lighting luminaries as required.								
	.18.5	36 W CFL (withour choke)					13.00	Each	222.00	2886.00
11	8.21	Supplying, installation, testing and commissioning of following 230/250 volts HPSV wide beam flood light luminaries with weather proof gear box, ingiter, capacitor with IP 65 protection on wall surface/building parapet/pole bracket complete but without lam as required.								
	.21.3	1x250 watt					2.00	Each	5895.00	11790.00
12	8.23	Supplying, installation, testing and commissioning of following 230/250 volts CFL street light fitting with electronic ballast, capacitor, perplex cover on pole bracket complete but without lamp as required.								
	.23.2	85 Watt					2.00	Each	1243.00	2486.00
13	8.26	Supplying, fixing, testing and commissioning of following 230/250 volts metal halide lamp in existing lighting luminaries fixed on pole/wall/roff etc as required.								
	.26.3	250 Watt (T)					2.00	Each	1156.00	2312.00
14	9.10	Providing and fixing metal clad, TP&N switch fuse unit (rewirable), 415/500 volts, with procelain re-wirelbe fuses including drilling holes on the board, connections, earthing the body etc. as required. (Thimbeling shall be paid seperately)								

SN	REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
	10.2	63 amps					2.00	Each	1883.00	3766.00
15	11.2	Supplying and fixing on surface/recess following way, 240 volts SP&N MCB distribution board of sheet steel phosphatized and powder painted complete with tinned copper busbar, neutral busbar, earth bar, din bar, detachable gland plate, including interconnections, earthing etc. as required (But without MCB/RCCB/Isolator)								
	1.2.1	4 way, Single door					3.00	Each	446.00	1338.00
16	11.13	Supplying and fixing DP MCB, 240 volts, 'C' series, suitable for inductive/motor load in the existing MCB DB complete with connections, testing and commissioning etc. as required.								
	13.3	40 amps					3.00	Each	665.00	1995.00
17	11.11	Supplying and fixing SP MCB, 240 volts, 'C' series, suitable for inductive load in the existing MCB DB complete with connections, testing and commissioning etc. as required.								
	11.2	6 amps to 32 amps					5.00	Each	150.00	750.00
18	14.2	Earthing with G.I. Earth pipe 4.5 mtr long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (with charcoal and salt) as required.					3.00	Set	2093.00	6279.00
19	14.19	Providing and fixing 6 SWG dia G.I. Wire on surface or in recess for loop earthing along with existing surface/concealed conduit/submain siring/cable as required.					17.00	Meter	13.00	221.00

SN	REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
20	17.7	Supplying and laying following size one number unarmoured, aluminium conductor power cable of 1.1 KV grade or surface/existing cable tray as required.								
	7.7.3	2x10 sq mm					23.00	Meter	70.00	1610.00
	7.13	4x10 sq mm					28.00	Meter	89.00	2492.00
21	21.14	Supplying and fixing of 32mm dia x 2 metre long G.I. Pipe (light) bracket for mounting street light fittings of all types on poles including bending the pipe to the required shape, 2 nos 40x3mm flat iron clamps with bolts and nuts including wiring with 1.5 sqm.mm W.P./PVC wire etc. as required.					4.00	Each	491.00	1964.00
22	9.11	Providing and fixing procelain re-wireble fuse carrier and base unit on wooden board including drilling holes on the board, screws, connections etc. as required. (Thimbeling shall be paid seperately)								
	11.3	63 amps					3.00	Each	129.00	387.00

As per Estimate Amount Rs. 99986.00

Say Rs.

(+) 21,02,772.8

22,02,758.83

Sub Engineer
Nagar Palik Nigam
Korba (C.G.)

Assistant Engineer
Nagar Palik Nigam
Korba (C.G.)

Executive Engineer
Nagar Palik Nigam
Korba (C.G.)

Say = 22,00,000.00