

# कार्यालय, नगर पालिक निगम, कोरबा (छत्तीसगढ़)

फा.क. 126/ निर्माण/2023

सिस्टम टेंडर नं. 151512

कोरबा दिनांक 12.01.2024

## 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 हेतु 01.06.2020 से प्रभावशील दर अनुसूची पर (निविदा खुलने के दिनांक तक समस्त सशोचनों के साथ शेड्यूल अनुसार प्रतिशत दर पर ई-प्रोक्युरमेंट (E-Tendering) के माध्यम से निविदा प्रपत्र फार्म A में निविदा आमंत्रित की जाती है।

क	कार्य का नाम	प्राक्कलन राशि (लाख में)	घरोहर राशि (FDR/TDR)	कार्यावधि	निविदा प्रतिभागी शुल्क (DD)	ठेकेदार का वर्ग	निविदा खुलने की तिथि
1	वार्ड क 28 अंतर्गत डॉ. राजेंद्र प्रसाद नगर फेरा-01 दशहरा मैदान के पास उद्यान का निर्माण एवं विकास कार्य 3 वर्ष मरम्मत एवं संधारण के साथ	40.00	30000/-	6 माह	1500.00	वर्ग डी एवं प्रवर श्रेणी	06.02.2024 से .....

शर्तें-

- 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।
- 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।
- 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 अमले की जानकारी, विगत 3 वर्षों का आयकर चुकता प्रमाण पत्र/पैन 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 डिमाण्ड ड्राफ्ट एवं घरोहर राशि FDR/TDR, शपथपत्र का स्कैन कापी ऑन लाईन सिस्टम पर अपलोड करना अनिवार्य होगा।
  - अमानत राशि का वैध FDR/TDR, निविदा प्रतिभागी शुल्क का DD एवं शपथ पत्र की मूल प्रति लिफाफा में कार्य का नाम एवं अन्य विवरण अंकित कर केवल स्पीड पोस्ट/रजिस्टर्ड डाक के माध्यम से निविदा खुलने की तिथि में दोपहर 3.00 बजे तक आयुक्त, नगर पालिक निगम, कोरबा साकेत भवन, आई.टी.आई.चौक रामपुर कोसाबाड़ी पिन- 495677 कोरबा को उपलब्ध कराना अनिवार्य होगा।
  - 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 (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 DD जो कि आयुक्त, नगर पालिक निगम, कोरबा के नाम पर देय हो प्रस्तुत करना अनिवार्य होगा।
- सम्पूर्ण किये गये कार्यों के लिए प्रत्येक बिल देयकों में से 5 प्रतिशत सुरक्षा राशि 01 वर्ष के लिए एवं मरम्मत एवं संधारण मद को छोड़कर शेष कार्यों में 5 प्रतिशत परफार्मेंस गारंटी राशि की गारंटी के रूप में से 03 वर्ष के लिए रोकी जावेगी। उद्यान में सिविल निर्माण कार्यों के साथ साथ पौधों की सुरक्षा एवं रख रखाव का कार्य भी 3 वर्षों तक ठेकेदार को करना आवश्यक होगा।
- 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।
- 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 कलैली की जावेगी।
- ईट से संबंधित निर्माण कार्यों में प्लाई एंड ब्रिक का उपयोग किया जाना अनिवार्य होगा।
- प्रयुक्त लोहा का बिल एवं टैरट रिपोर्ट तथा प्रयुक्त सीमेंट का बिल संलग्न करना अनिवार्य होगा।
- 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।
- निविदा अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नहीं किया जावेगा।
- निविदा प्रपत्र फार्म A की कोडिका 11 अनुसार एस्कलेशन देय नहीं होगा।
- निविदा के संबंध में किसी प्रकार की विवाद होने की स्थिति में आयुक्त का निर्णय अंतिम एवं सर्वमान्य होगा।
- निविदा रवीकृत करने अथवा अरवीकृत करने अथवा निरस्त करने का अधिकार नगर पालिक निगम के पास सुरक्षित रहेगा।
- उपरोक्त निविदा सूचना की विस्तृत प्रति नगर पालिक निगम, कोरबा के साकेत भवन स्थित निर्माण शाखा से प्राप्त किये जा सकते हैं।

कार्यपालक अभियंता  
नगर पालिक निगम  
कोरबा (छत्तीसगढ़)

प्रतिलिपि-

प्रोग्रामर, सवालनालय, 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		12.01.2024	18.30	12.01.2024	18.30	Release Tender
2		Bid Submission	12.01.2024	18.30	05.01.2024	17.30	
3		Physical Document Submission	12.01.2024	18.30	06.02.2024	15.00	
4	Tender Open		06.02.2024	16.00	--	--	



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

**TENDER/NIT HEADER DETAIL**

ORGANIZATION NAME	Urban Administration and Development Department (UADD)	PROCUREMENT CATEGORY	WORKS
TENDER NO	151512	TENDER DEALING OFFICER	- MANORANJAN SARKAR (EE)
NUMBER OF ITEMS ALREADY ATTACHED	1	MATCHING	NO
CURRENCY	INR - INDIAN RUPEE	TENDER CATEGORY	PERCENTAGE
NIT TYPE	RESTRICTED TENDER	OFFICE/DIVISION (PWD)	COMMISSINOR, MUNICIPAL CORPORATION, KORBA
VENDOR CLASS	A, B, C, D	NAME	TENDER SECTION
PROBABLE AMOUNT OF CONTRACT (PAC) [INR]	4001273 00	SECTION/CIRCLE (PWD)	NAME
DIVISION / DISTRICT	MUNICIPAL CORPORATION, KORBA	DESCRIPTION	F N/ 126/Const / Kosabadi Zone/ 2023/KMC
NAME		DETAILED DESCRIPTION	Development of Garden at R.P. Nagar Phase-1 Ward No. 28 with 3 years maintenance under NCAP
IS AUCTION ENABLED?	N	NUMBER OF BID PART(S)	2
		BID PART NUMBER	1

**ATTRIBUTE (S)**

ATTRIBUTE NAME	ATTRIBUTE VALUE
BID VALIDITY PERIOD (in days)	120
Tender / Work Completion Time (in months)	6 (VALUE)
Required Past Technical Experience	As per tender document /NiT
Required Financial Turnover (in INR)	AS PER NIT
Required Bid Capacity (in INR)	AS PER NIT

**PAYMENT DETAILS**

DETAILS	
Tender/Processing/Bid	N/A
Fees	
EMD/Bid Security	30000.00 INR

**DATE-TIME DETAIL (S)**

BID SUBMISSION START	Jan 12, 2024 08:30:00:PM	BID DUE DATE	Feb 5, 2024 05:30:40:PM
DATE			
BID OPEN DATE (SCHEDULED)	Feb 6, 2024 04:00:06:PM	PHYSICAL DOC SUBMISSION	Feb 6, 2024 03:00:15:PM
		END DATE	

**PRE-BID DISCUSSION DETAILS**

PRE-BID DISCUSSION NOT REQUIRED

**ALTERNATE BID DECRYPTOR (S)**

USER DETAILS
MR BUYER ADMIN (DFLT)
- MANORANJAN SARKAR (DFLT)
- Mitresh Verma (DFLT)
- Ramkumar Maheshwari (DFLT)
- ARUN KUMAR SHARMA (DFLT)
- Bhushan Ram Oraon (DFLT)

**TERM AND CONDITION DETAIL(S) - SPECIAL TERM(S)**

SL. NO.	CATEGORY	DESCRIPTION
1	SPECIAL TERM(S)	SPECIAL TERM(S) As per tender document /NiT

**TENDER SPECIFIC REQUIRED ATTACHMENT (S)**

**Envelop B**

SL. NO.	SUPPORTING DOCUMENT NAME	MANDATORY	ALLOW EXEMPTION	GROUP
1	PARTNERSHIPDEED/MOA OFCOMPANY (IFREQUIRED)	YES	NO	OTHER
2	DECLARATION FOR NOT BEINGBLACK LISTED	YES	NO	OTHER
3	LIST OFTECHNICALSTAFFDETAIL	YES	NO	OTHER
4	GST CERTIFICATEFROMCHHATTISGARH	YES	NO	OTHER
5	DECLARATIONFOR NOT ABOVE TOTAL WORK OF REGISTRATION CAPACITY	YES	NO	OTHER
7	REGISTRATIONCERTIFICATE (ANY GOVTDEPTINCHHATTISGARH	YES	NO	OTHER
8	INCOMETAXCLEARANCECERTIFICATE	YES	NO	OTHER



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

**DETAILED ESTIMATE**

Name of Work : LAND SCAPING AND PATHWAY

As per SOR : SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD BUILDING-01.01.2015]

SN	REF	ITEM DESCRIPTION	N	L	B	H/D	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.								
	1.1	In all types of soils.								
			2	90.00	0.40	0.40	28.80			
			2X2	36.40	0.40	0.40	23.29			
			1	40.00	0.40	0.40	6.40			
			2X20	0.70	0.40	0.40	4.48			
						<b>Total</b>	62.97	cum	185.00	11649.45
2	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).								
			1	140.00	40.00		5600.00			
						<b>Total</b>	5600.00	sqm	7.20	40320.00
3	1.3	Felling trees of the girth (measured at a height of 1 m above ground level) including cutting of trunks and branches removing the roots and stacking of serviceable material after cutting in approved sizes and disposal of unserviceable material.								
	3.2	Beyond 60 cm girth upto and including 120 cm girth								
							30.00			



ITEM DESCRIPTION		N	L	B	H/D	QTY	UNIT	RATE	AMOUNT	
						Total	30.00	each	582.00	17460.00
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.									
	-WALL	2	90.00	0.40	0.10	7.20				
		2X2	36.40	0.40	0.10	5.82				
		1	40.00	0.40	0.10	1.60				
	-PAWER	2	90.00	1.80	0.08	24.30				
		3	40.00	1.80	0.08	16.20				
						Total	55.12	cum	371.00	20449.52
5	1.26	Carriage by mechanical transport upto 5 km lead:								
	26.3	Dismantled Building debris (Mulba)								
							50.00			
						Total	50.00	cum	91.50	4575.00
6	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.								
		20	1.70	0.80		27.20				
						Total	27.20	sqm	139.00	3780.80
7	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).								
		2	90.00	0.30	0.10	5.40				
		2X2	36.40	0.30	0.10	4.36				

ITEM DESCRIPTION		N	L	B	H/D	QTY	UNIT	RATE	AMOUNT	
		1	40.00	0.30	0.10	1.20				
		2	90.00	1.80	0.10	32.40				
		3	40.00	1.80	0.10	21.60				
	-FOR SEATING	2X20	0.60	0.40	0.10	0.96				
						<b>Total</b>	65.92	cum	2970.00	195782.40
15	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).									
		4	90.00	0.05	0.05	0.90				
		6	40.00	0.05	0.05	0.60				
						<b>Total</b>	1.50	cum	4073.00	6109.50
8	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).									
	-SEATING	20	1.50	0.60	0.10	1.80				
		2X20	0.60	0.20	0.90	4.32				
						<b>Total</b>	6.12	cum	4163.00	25477.56
9	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									
		6.12	50.00			306.00				
						<b>Total</b>	306.00	kg	54.50	16677.00
10	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:									
	5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand)									
		2	90.00	0.20	0.40	14.40				






ITEM DESCRIPTION		N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
	polished Granite stone slab flooring laid over 20mm (Average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing etc. complete. (Area of slab should be 0.50 sqm and above)								
45.2	Granite stone black	20	1.70	0.80		27.20			
					<b>Total</b>	27.20	sqm	2646.00	71971.20
15	14.17								
	Painting exterior surface with TEXTURED exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with:								
16	14.6								
	White washing with whiting to give an even shade.								
	6.1								
	On new work (Three or more coats)					233.20			
					<b>Total</b>	233.20	sqm	9.00	2098.80
17	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)					233.20			
					<b>Total</b>	233.20	sqm	41.00	9561.20
18	22.2								
	Supplying and stacking of good earth at site including royalty, loading, unloading and carriage upto 5 km (earth measured in stacks will be reduced by 20% for payment).	1	40.00	30.00	0.20	240.00			
					<b>Total</b>	240.00	cum	201.00	48240.00
19	22.4								
	Supplying and stacking at								

ITEM DESCRIPTION		N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
site well decayed cow dung manure from approved source, including loading, unloading and carriage upto 5 km (manure measured in stacks will be reduced by 8% for payment)									
						60.00			
					<b>Total</b>	60.00	cum	236.00	14160.00
20 22.25	Providing and planting following herbs in garden including preparation of soil, base plantation, providing and spreading different fertilizers, soil and sand:								
25.1	Hedges like Alife, Dorenta, Tikoma etc	100				100.00	each	14.00	1400.00
25.2	Furn like Arica, China etc (3 year old)	100				100.00	each	125.00	12500.00
25.4	Carpet grass (well developed)								
		1	38.00	28.00		1064.00			
					<b>Total</b>	1064.00	sqm	263.00	279832.00

**As per Estimate Amount Rs. 1344631.99**  
**Say Rs.**



Sub Engineer  
Nagar Palik Nigam,  
Korba



Aast. Engineer  
Nagar Palik Nigam,  
Korba

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

## DETAILED ESTIMATE

Name of Work : BOUNDRY WALL GRILL  
 As per SOR : SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD BUILDING-01.01.2015]

SN	REF	ITEM DESCRIPTION	N	L	B	H/D	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.								
	1.1	In all types of soils.								
		-FOR GATE	3	1.50	1.50	1.50	10.12			
		-WALL	1	6.00	0.50	0.50	1.50			
			61	1.20	1.20	1.20	105.40			
						<b>Total</b>	117.02	cum	185.00	21648.70
							117.00	cum	65.00	7605.00
2	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.								
3	1.19	Providing filling and compacting local earth (from approved source pit) in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
			1	30.00	30.00	0.30	270.00			
						<b>Total</b>	270.00	cum	242.00	65340.00
4	2.1	Providing and fixing form work including centring, shuttering, strutting,								



ITEM DESCRIPTION		N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
	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.								
	-F2	3X4	1.00		0.30	3.60			
	-F3	3X4	0.60		0.40	2.88			
	-COL B.P.L.	3X4	0.40		0.40	1.92			
	-P.B	1X2	6.00		0.30	3.60			
	-F2	61X4	0.20		0.80	39.04			
					<b>Total</b>	51.04	sqm	139.00	7094.56
1.5	Columns, Pillars, Piers and likes- rectangular or square in shape								
		3X4	0.40		3.00	14.40			
		61X4	0.20		2.00	97.60			
	-COL. ABOVE L.B.	61X4	0.20		0.80	39.04			
					<b>Total</b>	151.04	sqm	297.00	44858.88
1.7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)								
	3X.3=.9	1	6.00		0.90	5.40			
					<b>Total</b>	5.40	sqm	235.00	1269.00
1.8	Beams, lintels, cantilevers & walls								
		2X1	360.00		0.20	144.00			
					<b>Total</b>	144.00	sqm	202.00	29088.00
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).								

ITEM DESCRIPTION		N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
		3	1.50	1.50	0.10	0.67			
		1	6.00	0.50	0.10	0.30			
		61	1.20	1.20	0.10	8.78			
					<b>Total</b>	9.75	cum	2970.00	28957.50
1.5	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).						cum	4073.00	
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.								
	2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
	-F1	3	1.50	1.50	0.30	2.02			
	-F2	3	1.00	1.00	0.40	1.20			
	-F3	3	0.60	0.60	0.30	0.32			
	-COL B.P.L	3	0.40	0.40	0.40	0.19			
	-P.B	1	6.00	0.40	0.30	0.72			
	-COL	3	0.40	0.40	3.00	1.44			
	-GATE SLAB	1	6.00	0.40	0.30	0.72			
	-F1	61	1.20	1.20	0.30	26.35			
	-F2	61	0.20	0.20	0.80	1.95			
	-COL	61	0.20	0.20	2.00	4.88			
	-COL.ABOVE L.B.	61	0.20	0.20	0.80	1.95			
	-L.B.	1	360.00	0.20	0.20	14.40			
					<b>Total</b>	56.14	cum	4163.00	233710.82
7	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								
		52	60.00			3120.00			
					<b>Total</b>	3120.00	kg	54.50	170040.00

ITEM DESCRIPTION		N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
7.5	Brick work with modular ash lime bricks (FaLG Bricks) confirming 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)								
		1	360.00	0.20	0.20	14.40			
		1	6.00	0.20	0.60	0.72			
		61	1.50	0.20	1.20	21.96			
						<b>Total</b>	37.08	cum	3263.00 120992.04
9	9.1 Structural steel work in single section including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer. -FOR GATE								
							150.00		
	-FOR BOUNDARY WALL	144	1.00	4.50			648.00		
						<b>Total</b>	798.00	kg	61.50 49077.00
10	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. -GRILL								
		2880	0.80	0.89			2045.95		
						<b>Total</b>	2045.95	kg	67.50 138101.62
11	11.2 Providing and making 12mm thick cement plaster of mix:								
	2.4 In Cement Mortar 1:6 (1 cement : 6 fine sand)								
		1	360.00		0.60	216.00			
		61	1.50		1.50	137.25			
						<b>Total</b>	353.25	sqm	91.50 32322.38
12	11.3 Providing and making 15mm thick cement plaster on the rough side of single								



	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
	or half brick wall of mix:								
3.4	Cement Mortar 1:6 (1 cement : 6 fine sand)								
		1	360.00		0.60	216.00			
		61	1.50		1.50	137.25			
					<b>Total</b>	353.25	sqm	107.00	37797.75
13 14.45	Removing dry or oil bound distemper by scraping sand papering and preparing the surfaces smooth including necessary repair to scratches etc. complete.								
		2	360.00		1.50	1080.00			
					<b>Total</b>	1080.00	sqm	5.20	5616.00
14 14.6	White washing with whiting to give an even shade.								
6.1	On new work (Three or more coats)								
		2	360.00		1.50	1080.00			
					<b>Total</b>	1080.00	sqm	9.00	9720.00
15 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)	2	360.00		1.50	1080.00	sqm	41.00	44280.00
16 16.3	Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead.								
3.3	In cement mortar.								
		1	360.00	0.20	0.20	14.40			
		61	1.50	0.20	1.20	21.96			
					<b>Total</b>	36.36	cum	263.00	9562.68
17 17.1	Repairs to plaster in patches of area 2.5 sq. metres and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls with cement mortar 1:4 (1 cement : 4 fine sand)								

ITEM DESCRIPTION		N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
	complete including disposal of rubbish to the dumping ground within 50metres lead :								
1.1	Thickness upto 15mm								
		2	360.00		1.00	720.00			
					<b>Total</b>	720.00	sqm	132.00	95040.00
18 14.22	Painting on new work (two or more coats) to give an even shade with:								
22.1	Satin synthetic enamel paint								
		1	360.00		1.00	360.00			
		1	5.00		2.10	10.50			
					<b>Total</b>	370.50	sqm	55.00	20377.50

As per Estimate Amount Rs. **1172499.43**  
Say Rs.



Sub Engineer  
Nagar Palik Nigam,  
Korba



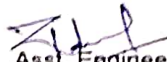
Aast. Engineer  
Nagar Palik Nigam,  
Korba

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

**WATER SUPPLY**

5	19.1	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.							
	1	15 mm nominal outer dia Pipes.				430.00	metre	110.00	47300.00
	4	32 mm nominal outer dia Pipes.				380.00	metre	271.00	102980.00
	20.6	Providing, lowering, laying, aligning, fixing in position at and jointing at all level/ depths ISI marked HDPE pipes of PE-100 grade and PN 6 for sewer application as per IS 14333-1996 (amended upto date) in trenches in complete including all material, labour, testing and commissioning as per direction of Engineer.							
		100 mm dia	3	10		30.00	M	366.00	10980.00
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				20.00	each	494.00	9880.00
<b>TOTAL =</b>									<b>171140.00</b>

  
 Sub Engineer  
 Municipal Corporation  
 Korba (C.G.)

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



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

Name of work:- TOILET

As per SOR: Schedule of rates public works department [PWD BUILDING-01-01-2015]

S.N.	SOR	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								
			4	1.20	1.20	1.20	6.91			
			4	2.60	0.60	0.60	3.74			
						Total=	10.66	Cum	185.00	1971.36
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.								
			4	0.50	0.30		0.60			
			4	0.20	0.6		0.48			
			4	0.30	0.6		0.72			
			8	2.60	0.300		6.24			
						Total=	8.04	Sqm	139.00	1117.56
	5	Columns, Pillars, Piers and likes-rectangular or square in shape								
			8	0.20		3.30	5.28			
			8	0.30		3.30	7.92			
						Total=	13.20	sqm	297.00	3920.40
	7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)								
			1	3.00	3.00		9.00			
						Total=	9.00	sqm	235.00	2115.00
	8	Beams, lintels, cantilevers & walls								
			16	2.60	0.300		12.48			
						Total=	12.48	sqm	202.00	2520.96

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.										
			4	1.20	1.20	0.10	0.58					
			1	3.00	2.80	0.20	1.68					
						Total=	2.26	Cum	371.00	836.98		
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).										
			4	1.20	1.20	0.10	0.58					
			4	2.60	0.60	0.10	0.62					
			1	2.60	2.60	0.10	0.68					
						Total=	1.88	Cum	2659.00	4988.28		
5	1.17	Filling from available excavated stuff (Excluding rock) in trenches, plinth,sides of foundation etc. in layers not exceeding 20cm in depthconsolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.										
							10.66					
						Total=	10.66	Cum	65.00	692.64		
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	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).										
		COLUMN	4	1.10	1.10	0.25	1.21					
		FOOTING	4	0.50	0.50	0.30	0.30					
			4	0.20	0.30	1.00	0.24					
			4	2.60	0.20	0.30	0.62					
			4	2.60	0.20	0.30	0.62					
			4	0.20	0.30	3.30	0.79					
		SLAB	1	3.00	3.00	0.13	1.13					
			2	3.00	0.60	0.10	0.36					

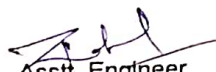




		4	2.80		2.10	23.52			
					Total=	23.52	sqm	587.00	13806.24
12	12.9	Providing and laying ceramic glazed floor tiles conforming to IS : 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete.							
	1	Size 300x300mm	1	3.00	3.00		9.00		
					Total=	9.00	sqm	892.00	6228.00
14	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.							
		ventilator	2	12.00			24.00		
					Total=	24.00	Kg	67.50	1620.00
15	11.1	Providing and making 6mm thick cement plaster of mix							
	2	In Cement mortar 1:4 (1 cement : 4 fine sand)	1	2.6	3.30		8.6		
					Total=	8.58	sqm	87.00	746.46
16	11.2	Providing and making 12mm thick cement plaster of mix							
	4	In Cement Mortar 1:6 (1 cement : 6 fine sand)	4	2.60		3.90	40.56		
					Total=	40.56	sqm	91.50	3711.24
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	3.00		3.30	39.60		
					Total=	39.60	sqm	107.00	4237.20

6	14.51	Providing and applying 2mm thick ready mix exterior grade putty (manufactured with cow dung processing ) on walls to make the surface smooth aid even.								
							88.74			
						Total =	88.74	sqm	101.00	8962.74
	14.49	Wall painting with premium emulsion (plastic) manufactured with the cow dung processingh emulsion paint of required shade to give an even shade..					49.14	sqm	69.00	3390.66
	1	On new work (Two or more coats)								
	14.5	Painting exterior surface with SMOOTH exterior emulsion paint manufactured with the cow dung processing to give protective and decorative finish including cleaning washing of surface etc. complete with:					39.60	sqm	79.00	3128.40
	1	On new work (Two or more coats applied 1.43 ltr/ 10 sqm over								
22	8.141	Providing and fixing Stainless steel "D" shape door handles made of 10mm dia rod with necessary stainless steel screws etc complete.								
		8.141.2 150 mm				Total=	2.00	nos	49.50	99.00
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=	2.00	nos	245.00	490.00
24	8.143	Providing and fixing stainless steel hanging door stopper with necessary stainless steel screws complete.								
	1	Single				Total=	2.00	nos	47.00	94.00

8.149	Providing and fixing factory made PVC door shutters of specified thickness made of styles and rails of a UPVC hollow section of specified size 59x24 mm and wall thickness 2 mm ± 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 with styles and rails of size 59x24 mm side	1	1.00	2.10		2.10			
					Total=	2.10	sqm	2399.00	5037.90
								TOTAL=	151765.45

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

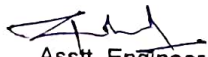
Sub Engineer  
 Municipal Corporation  
 Korba (C.G.)






19.4	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.								
	1 15 mm nominal outer dia .Pipes.					30.00	metre	110.00	3300.00
	3 25 mm nominal outer dia .Pipes.					15.00	metre	199.00	2985.00
	4 32 mm nominal outer dia .Pipes.					12.00	metre	271.00	3252.00
6	19.13 Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality:								
	1 Bib cock (250 grams)					6.00	each	185.00	1110.00
7	19.14 Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required:								
	6 Stop cock (concealed) (600 grams)					2.00	each	494.00	988.00
	4 Piller Cock (400 grams)					2.00	each	398.00	796.00
8	19.13 Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality:								
	1 Bib cock (400 grams)					4.00	each	382.00	1528.00
	2 Long nose bib cock (500 grams)					4.00	each	455.00	1820.00
9	19.15 Providing and fixing stainless steel drain jali of approved make/quality.					12.00	each	51.00	612.00
10	19.16 Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end):								
	1 25 mm nominal bore					2.00	each	436.00	872.00
	2 32 mm nominal bore.					2.00	each	510.00	1020.00

19.51	Constructing masonry Chamber 60x60x75 cm, inside with modular well burnt clay bricks of 35 kg/ cm <sup>2</sup> in cement mortar 1:4 (1 cement : 4 coarse sand) for 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 cement complete as per standard design :					2.00	each	4356.00	8712.00
13	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.				1000.00	litre	7.30	7300.00
TOTAL =									59158.00
TOTAL=									210923.45

  
 Asst. 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 : ELECTRIFICATION

As per SOR : SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD BUILDING-01.01.2015]

SN	REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
1	19.6	Supply of hot dipped galvanized (in single dip to minimum 75 micron) octogonal pole made of 3mm thick steel grade E-350 sheet having window and flush cover with locking arrangement at suitable height from base for cable termination block, pole suitably reinforced with welded steel section at window cut section to make the strength of pole unaffected, with following minimum specifications with 4 way terminal connector including 3mm thick anchor plate, 4 nos 16mm dia foundation bolts of EN8 grade, and as per IS 2062 & BS EN: 10025. (designed for wind speed upto 180km/hr, IS: 875 Part 3)								
	6.2	4 metre high, dia 130mm at bottom and 75mm at top, base plate size 200x200x12mm, foundation bolts 450mm long					4.00	Each	5942.00	23768.00
2	19.9	Supply and fixing following street light pole bracket on existing pole made out of 50 mm dia MS "B" class pipe welded to 300 mm long MS pole canopy of suitable dia at a angle of 102.50 including having MS triangular stiffner of size 150 X 50 X 5 mm thick, making arrangement for tightening the bracket								

	F	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
		with pole by providing suitable size heavy duty nuts and bolts in canopy, painting with one coat of approved steel primer etc. as per specification.								
	9.7	Double Over Hang 1.50 metre Long					4.00	Each	1869.00	7476.00
3	19.11	Erection of GI octagonal/tubular/conical pole on existing cement concrete foundation having grouted bolts and nuts, aligning in true vertical position as per specification.								
	11.2	4 metre high					4.00	Each	604.00	2416.00
4	32.7	Supplying following sizes FRLS PVC insulated , PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade								
	7.9	3 x 25 sq. mm					200.00	Metre	97.00	19400.00
5	19.12	Designing and providing suitable RCC foundation in Cement Concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) for 3 mere to 12 metre high GI octagonal pole including steel reinforcement form work, embedding 2 nos 50mm dia PVC pipe for cable entry in each foundation, excavation disposal of surplus soil and curing etc. as per specification.					4.00	cum	5219.00	20876.00
6	14.2	Supplying and laying HDPE pipe of 4kg/cum in ground below road, path etc at a depth not less than 40 cm and upto 90 cm including excavation, dismantling of road if required and refilling the trench with excavated material, ramming and making the surface good etc. as per								

#	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
	specification.								
2.1	63 mm outer dia					100.00	Metre	124.00	12400.00
7	15.1								
	Supplying and laying following sizes one number FRLS PVC insulated/XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade direct in ground at a depth not less than 40 cm and upto 90 cm including excavation, sand cushioning, protective covering and refilling the trench etc as per specification, IS: 1554 (1988, Part 1) & IS: 7098 (1988, Part 1).								
	1.24					50.00	Metre	321.00	16050.00
8	15.23								
	Supplying and making end termination with brass compression gland and aluminum lugs for following size armoured aluminum conductor power cable of 1.1 KV grade as per specification. .								
	23.25					2.00	Each	104.00	208.00
9	12.3					1.00	Set	6209.00	6209.00
	4 X 25 sq. mm (25 mm)								
	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe, with charcoal and salt as per specification and IS Code 3043: 1987(R 2016)								
10	12.12					20.00	Metre	36.00	720.00
	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including soldering, excavation and refilling the trench etc. as per specification.								
11	7.19								
	Fabrication, supply, installation, testing and commissioning of cubicle								



REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
	type compartmentalized wall/ floor mounted power cum control panel board of specified size and following depth made out of not less than 2 mm thick CRCA MS powder coated sheet with suitable size compartments for bus bars, switchgears and necessary cutouts for voltmeters, ammeters etc as per specifications including powder coating painting but without busbars, switchgears and other accessories etc complete as per specification.								
	19.1 Upto 300 mm deep					1.00	sqm	6818.00	6818.00
12	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.								
	1.4 3 pole MCCB, 100A, Adjustable Thermal - Magnetic Release, 25KA					4.00	Each	3734.00	14936.00
13	9.11 Supplying and fixing SP MCB, 240 volts, 'C' curve, suitable for inductive load in the existing MCB DB complete with connections, testing and commissioning etc. as per specification.								
	11.2 6 amps to 32 amps					4.00	Each	148.00	592.00
14	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.								
	16.5 63 amps					2.00	Each	1316.00	2632.00
15	6.28 Supplying, installation,								

ITEM DESCRIPTION		N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
	testing and commissioning of following 230/250 volts LED street light fitting with all accessories like driver, heat sink made of die cast aluminium with IP 66 protection and 15 KV surge protection on pole bracket, including connection, earthing, Separate housing for driver etc complete as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio = 120 lumens /watt.								
28.14	250 watt					8.00	Each	15846.00	126768.00
16	6.29								
	Supplying, installation, testing and commissioning of following 230/250 volts LED Flood light fitting with all accessories like driver, heat sink made of die cast aluminium with IP 66 protection and 15 KV surge protection on pole bracket, including connection, earthing, Seperate housing for driver etc complete as per specification and P.A. should be greater than 0.9. LED chip efficacy ratio = 120 lumens /watt.								
	29.7					2.00	Each	9347.00	18694.00
17	10.17					1.00	Each	94.00	94.00
	Providing and fixing penal mounting 230 volt LED type indicating lamp in existing cubical panel including, connections, testing and commissioning etc. as per specification.								
18	10.18								
	Providing and fixing penal mounting following rating analog type ammeter of size 100x100 (NS) in existing cubical panel including, connections, testing and commissioning etc. as per specification.								
	18.2					2.00	Each	372.00	744.00
	0-100 amps								

ITEM NO	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
20.0	Providing and fixing panel mounting 0-500 volt voltmeter of size 100x100 (NS) in existing cubical panel including, connections, testing and commissioning etc. as per specification.								
20.1	Analog type					2.00	Each	397.00	794.00
20 10.21	Providing and fixing panel mounting selector switch in existing cubical panel including, connections, testing and commissioning etc. as per specification.								
21.1	For voltmeter					2.00	Each	189.00	378.00
21.2	For ammeter					2.00	Each	207.00	414.00

As per Estimate Amount Rs. **282387.00**  
Say Rs.



Sub Engineer  
Nagar Palik Nigam,  
Korba



Astit. Engineer  
Nagar Palik Nigam,  
Korba



**"BOREWELL WITH PUMP"**

PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (In Rs.)
1 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 points payable)								
<b>(BUILDING SOR ITEM NO. 21.17/201)</b>	1				1	PT.	1502.00	1502.00
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 upto 90 metre depth below ground level.								
(a) All Types of soil								
200 mm dia								
<b>(BUILDING SOR ITEM NO. 21.1.1.4/198)</b>								
	1	30.00			30.00	RMT	371.00	11130.00
(b) Rocky strata including Boulders								
200 mm dia								
<b>(BUILDING SOR ITEM NO. 21.1.2.4/198)</b>								
	1	50.00			50.00	RMT	457.00	22850.00

	Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 mild steel screwed and socketed/ plain ended casing pipes of required dia, conforming to IS: 4270, of reputed & approved make, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer-in-charge.								
	21.7.4 200 mm nominal dia								
	<b>(BUILDING SOR ITEM NO. 21.7/199)</b>								
		1	30.00			30.00	RMT	1477.00	31017.00
4	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:								
	21.11.4 200mm dia								
	<b>(BUILDING SOR ITEM NO. 21.11/200)</b>								
		1				1	EACH	240.00	240.00
5	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.								
	21.12.4 200mm clamp								
	<b>(BUILDING SOR ITEM NO. 21.12/200)</b>								
		1				1	EACH	1199.00	1199.00
6	Supplying & Installation of Energy efficient five star BEE rating ISI Marked required capacity of Three Phase, 50 Hz, 415V, deep well submersible pump Steel body, suitable for 6" tube well with Control Panel Starter suitable for (I) 3 HP with 6 stages, head MT. 55-7 discharge 60-510								
	3 Hp Pump								
	<b>(PHE SOR ITEM NO.-34.20.106/353/2020)</b>								
		1				1	EACH	36173.00	36173.00
7	Providing and fixing Bail plug/ Bottom plug of required dia to the bottom of pipe assembly of tube well as per IS:2800 (part I).								
	21.13.4 200mm dia								

**BUILDING SOR ITEM NO. 21.13/201)**

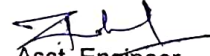
	1					1	EACH	200.00	200.00
8	1					1	each	4030.00	4030.00
	Supply, installation, testing and commissioning of 1-3 HP 1 phase submersible motor starter cum control wall/ floor mounted type made out of not less than 1.6 mm thick MS sheet and comprising of following panel mounting switchgears there in including connection inter-connection etc. as per specification. a) Phase indicating lamps with fuses and toggle switches 1 set b) 1/2/3 HP 1 phase DOL starter with over load and no volt relay 1 No c) 25 A "C" curve DPMCB 1 No d) Voltmeter 0-250 V 1 set e) Ammeter 0-10 A 1 set								
9									
	Supplying and making water proof joint with heat shrinkable joint kit including copper ferrules for following size of 3 core submersible copper conductor cable of 1.1 KV grade as per specification.								
	3x4.0 sqmm	1	80			80	m	264.00	21120.00
10	Fabrication, supply, installation, testing and commissioning of cubicle type compartmentalized wall/ floor mounted power cum control panel board of specified size and following depth made out of not less than 2 mm thick CRCA MS powder coated sheet with suitable size compartments for bus bars, switchgears and necessary cutouts for voltmeters, ammeters etc as per specifications including powder coating painting but without busbars, switchgears and other accessories etc complete as per specification.								
	Above 300 mm and upto 450 mm deep	1	0.6	0.45		0.270			
						0.270	sqm	7525.00	2031.75
11	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.								



pole MCCB, 25-63A, Fixed Thermal Release, 10KA					10	each	1483.00	14830.00
<b>(For One Nos) Total Rs=.</b>								<b>146322.75</b>
<b>Say rs.=</b>								<b>146000.00</b>



Sub Engineer  
Municipal Corporation  
Korba (C.G.)



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

**CONSTRUCTION OF GUARD ROOM**

S. No.	S.O.R. ITEM NO.	Item	Nos	L.	B.	H/D	Quantity	Unit	Rates	Amount
1	1.2	Surface dressing of the ground including removing vegetation and making up undulations and inequalities 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).								
		Plot area	1	4	4	-	16			
						Total	16	sqm.	7.2	115.00
2	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. In all Type of Soil.								
		For Main Column A								
		F1	4	1.5	1.5	1.5	13.5			
						Total	13.5	cum.	185	2498.00
3	1.6	Extra for every additional lift of 1.5 m or part there of All types of soil								
		For Main Column A								
		F1	4	1.5	1.5	0.3	2.7			
						Total	2.7	cum.	26.5	72.00
4	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.								
		For Main Column A								
		F1	4	1.50	1.50	0.1	0.9			
		Building	1	3.00	3.00	0.6	5.4			
						Total Qty.	6.3	cum.	371	2337.30
5	3.1.3	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:3:6 (1 cement :3 coarse sand :6 graded stone aggregate 40 mm nominal size).								
		For Main Column A								
		F1	4	1.4	1.4	0.10	0.784			
		floor area	4	3.0	3.0	0.10	3.6			
						Total	4.384	cum.	2970	13020.00

6	3.2.1	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. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).							
		Footing F1/C1	4	1.30	1.30	0.35	2.366		
		for column up to plinth lvl.							
		For Main Column A	4	0.20	0.30	1.25	0.3		
		ground beam ,plinth beam							
		size:GB2 (200*300)	4	3.0	0.20	0.3	0.72		
						TOATAL	3.386	cum.	4163 14096.00
		Column A	4	0.20	0.30	3.00	0.72		
		lintel beam							
		Size -200*200	1	3.00	0.20	0.20	0.6		
		chhajja							
		W1+D1	1	3.00	0.60	0.10	0.18		
		v1	1	0.90	0.60	0.10	0.054		
		SLAB BEAM							
		size:200*400					0.72		
		SLAB DETAILS	4	3.00	0.20	0.40			
		BUILDING AREA	1	3.00	3.00	0.12	1.08		
		platform	1	3.00	0.45	0.10	0.135		
						Total	3.489		
		Dedection Slab beam	4	3.0	0.2	0.12	0.288		
							0.288		
						Total	3.201	CUM	4163 13325.76
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 plinth:							
		same quantity					3.201	CUM	97.5 312.10
8	3.12.1	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: hermo-Mechanically Treated (TMT) Bars					3.201		
		100 Kg / cum. of R.c.c. work					320.1	KG.	54.5 17445.00
9	2.1	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels,							



2.1.1	Foundations, footings, base of columns, plinth beam, Curtain Wall in any shape and size and all type of wall below plinth level								
	For Main Column A	4	5.20	-	0.35	7.28			
	for column up to plinth lvl.								
	For Main Column A	4	1.00	-	1.65	6.6			
	Ground beam , Plinth beam								
	size:GB2 (200*300)								
		4	3.00	-	0.70	8.4			
		4	3.00	-	0.60	7.2			
					Total	29.48	sqm.	139	4098.00
10	2.1.5	columns, Pillars, piers and likes-rectangulay or square in shape in size.							
		for column up to slab lvl.+Prapet lvl							
		For Main Column A	4	0.80	-	3	9.6		
					Total	9.6	sqm.	297	2851.00
11	2.1.13	Weather shade chhajja ,cornices and mouldings.							
		chhajja	-	-	-	-	-		
		W1	1	3.00	0.70	-	2.1		
		v1	1	0.90	0.70	-	0.63		
		SIDE	4	3.90	0.10	-	1.56		
					Total	4.29	sqm.	294	1261.00
12	2.1.8	Beams ,Lintels, Cantilevers & walls							
		lintel beam							
			1	3.00	-	0.60	1.8		
		Slab Beam							
		size:200*400	4	3.00	-	1.00	12		
					Total	13.8	Sqm.	202	2788.00
13	2.1.7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)							
		Building Area	1	3.00	3.00	-	9		
					Total	9	sqm.	235	2115.00
14	7.5.4	Brick work with modular FLY ASH lime bricks (Falg brick) confirming to ISI 12894:2002 of class designation 40 in foundation and plinth in:Cement Mortar 1:6 (1 cement : 6 coarse sand)							
		UP TO GD BEAM	1	3.00	0.20	0.45	0.27		
					Total	0.27	cum.	3263	881.00

15	7.5.4	Brick work with modular FLY ASH lime bricks (flag brick) confirming to ISI 12894:2002 of class designation 40 in foundation and plinth in: Cement Mortar 1:6 (1 Cement : 6 Coarse Sand)+ Extra for brick work in superstructure above plinth level for every floor or part thereof in additional to rate for foundation and plinth:							
		UP TO SLAB BEAM	4	3.00	0.20	2.60	6.24		
		PERPIT WALL	4	3.00	0.20	0.30	0.72		
						Total	6.96		
		Deduction							
		D1	1	1.00	0.20	2.40	0.48		
		W1	1	1.50	0.20	1.50	0.45		
		V1	1	0.90	0.20	0.60	0.108		
						(-)	1.038		
						Total	5.922	cum.	3263 19323.00
	7.5.4	Brick work with modular FLY ASH lime bricks (Falg brick) confirming to ISI 12894:2002 of class designation 40 in foundation and plinth in: Cement Mortar 1:6 (1 Cement : 6 Coarse Sand)							
		brick work					5.922		
							5.922	CUM	121 716.56
16	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 formwork.							
		Outer	4	3.00	0.20	0.075	0.18		
						Total	0.18	cum.	4237 763.00
17	11.1.2	Providing and making 6mm thick cement plaster of mix : In Cement mortar 1:4 (1 cement : 4 fine sand)							
		Building CELLING	1	2.60	2.60	-	6.76		
		chhajja				-			
		W	1	3.00	0.70	-	2.1		
		v1	1	0.90	0.70	-	0.63		
		SIDE	4	0.60	0.10	-	0.24		
						Total	9.73	sqm	87 847.00
18	11.2.3	Providing and making 12mm thick cement plaster of mix: in cement mortar 1:5(1 cement : 5 fine sand)							
		INER WALL	4	2.60	-	2.88	29.952		
							29.952	sqm.	
		Deduction							
		D1	1	1.00	-	2.40	2.4		
		W1	1	1.50	-	1.50	2.25		

			1	0.90	-	0.60	0.54			
						(-)	5.19	sqm.		
						Total	24.762	sqm.	96.5	2390.00
19	11.3.4	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix In Cement Mortar 1:5 (1 cement : 5 fine sand)								
		Outer Wall Front	4	3.00	-	3.70	44.4			
		Window grooving	1	1.50	-	0.20	0.3			
							44.7			
		Deduction(-)								
		D1	1	1.00	-	2.40	2.4			
		W1	1	1.50	-	1.50	2.25			
		V	1	0.90		0.60	0.54			
							5.19			
						Total	39.51	sqm.	113	4465.00
20	14.13	Providing and applying 2mm thick ready mix exterior grade putty (Birla wall care, Alltek Superfine W/R of (NCL), J.K. wall putty) on walls to make the surface smooth and even.								
		Same as item total plaster					74.002	sqm	94.5	6993.00
21	14.11.1	Wall painting with acrylic luxury emulsion (plastic) paint of Required Shade to give an even shade. On new work( two or more coats)								
		Same as item Ceiling & inner					34.492	sqm.	52.5	1811.00
22	14.15.1	Painting exterior surface with ACRYLIC SMOOTH exterior paints of required shades as per manufacture specification to give protective and decorative finish including cleaning washing of surface etc. complete with								
		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)								
		Same as item outer plaster					39.51	sqm.	56	2213.00
23	3.15	Applying a coat of hot bitumen VG-10 using @ 1.7kg/ sqm on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.								
		Outer	4.00	3.00	0.20	-	2.4			
						Total	2.4	sqm.	93.5	224.00



	3.16	Making 50mm thick plinth protection of plain cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded crushed stone aggregate 20mm nominal size) over 75mm bed of dry brick ballast 40mm nominal size well rammed and consolidated and grouted with sand including finishing the top smooth.							
		Outer	4	3	-	1.5	12		
						Total	12	sqm	273 3276.00
25	8.1.1	Providing wood work in frames of doors, Window s, clerestory windows and other frames wrought framed and fixed in position.							
		Teak Wood							
		D1	1.00	5.80	0.08	0.15	0.06525		
						Total	0.06525	cum.	114758 7488.00
26	8.6.1	Providing and fixing 40mm thick paneled or glazed or paneled and glazed shutter frames for doors excluding hinges and paneling. (Area of shutter to be measured without deducting paneling area) Teak wood							
		D1	1	1.00	2.40		2.4	sqm.	2906 6974.00
27	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 of red oxide zinc chromate primer.							
		W	1	1.50	-	1.50	2.25		
		V	1	0.90	-	0.60	0.54		
							2.79	sqm.	
						20 kg /sqm	55.8	KG.	67.5 3767.00
28	8.62.2	Providing and fixing bright finished brass tower bolts (barrel type) with brass polished MS screws complete: <b>200x10 mm</b>							
		D1	1	2.00	-	-	2.00		
						Total	2.00	each	231 462.00
29	8.65.1	Providing and fixing bright finished brass door handles with brass polished MS screws complete: <b>125 mm</b>							
		D1	1	4.00	-	-	4.00		
						Total	4.00	each	55.5 222.00

	80.2	Providing and fixing Anitque/S.S. finished brass floor latch with necessary Antique/S.S. POLISHED MS screws complete: 300 x16x5 mm							
		D1	1	1.00	-	-	1.00		
						Total	1.00	each	280 280.00
31	8.73	Providing and fixing 150mm Antique/S.S. finished brass floor door stoppers with rubber cushion and antique/ S.S. Polished MS screws to suit thickness of shutters thickness.							
		D1	1	2.00	-	-	2.00		
						Total	2.00	each	77.50 155.00
32	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.							
		Building	1	1.00	-	-	1.00		
						Total	1.00	each	97.00 97.00
34	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 and panelling to be paid for separately							
	9.47.1	For Fixed Portion							
		W	1	6.00	-	-	6.00		
		V1	1	3.00	-	-	3.00		
					2.10 kg X		9.00	meter	
							18.90	kg	331 6256.00
35	9.49	Extra for Polyester powder coated (minimum 50 micron) aluminium sections instead of anodized.							
		same as item of aluminium fixed and shutter.					18.9	kg	34.5 652.00





# OF THE MUNICIPAL CORPORATION, KORBA (C.G

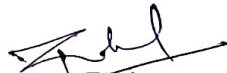
## Sub - Supply and Fixing Playing Equipments

S.NO.	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	<b>Multiaction Play System</b> <b>Specifications:-</b> Slide and ladder structure -35 mm x5mm Angle iron platfrom 1.20 mts dia Steel sheet railings -25 mm Pipe slide lenth - G.I. pipe sheet Size - 16 ft	No.	1.00		
2	<b>Fiber Kids Wave Slide</b> <b>Specifications:-</b> Slide - Fibre Stairs -35 mm Height -3ft	No.	1.00		
3	<b>Four Swing</b> <b>Specifications:-</b> Slide Pipe - 35 mm Upper pipe 50mm Seat - wooden rubber sheet metallic chain -3 mm	No.	1.00		
4	<b>Family Chair Swing</b> <b>Specifications:-</b> Slide Pipe - .50 mm Upper pipe 50mm	No.	1.00		
5	<b>Multi Seesaw</b> <b>Specifications:-</b> Age 5 to 15 years Main Frame - 35 mm Support - 35 mm Capacity - 4 Children.	No.	2.00		
6	<b>Age UP Go Round</b> <b>Specifications:-</b> Central Pipe - 50mm Railing - 25 mm Gauge of Sheet- 16 Diameter- 170 cm	No.	1.00		

	<b>Victorian Bench</b> <b>Specifications:-</b> Area - 1.6mtx0.6mt Height - 720 mm Approx Main Frame - cast Iron Seat Rectangular Pipe Length - 5 Ft	No.	2.00
8	<b>A Type Climber</b> <b>Specifications:-</b> Structure of pipe - 35mm Pipe of Ladder -25 mm Length 20 ft.	No.	2.00
9	<b>SSI Air Walker/ Stroller single</b> <b>Specifications:-</b> Length - 1170 millimeter Width -600 millimeter Height - 1390 millimeter Weight 120 Kg	No.	1.00



Sub Engineer  
Municipal Corporation  
Korba (C.G.)



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

Executive Engineer  
Municipal Corporation  
Korba (C.G.)