# कार्यालय, नगर पालिक निगम, कोरबा (छत्तीसगढ़) सिस्टम टेंडर नं. 151512

फा.क. 126/ निर्माण/2023

### कोरबा दिनांक 12.01.2024

## ई--निविदा आमंत्रण सूचना

कार्यालय नगर पालिक निगम, कोरवा 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 समरत संशोधनों के साथ शेंड्यूल अनुसार प्रतिशत दर पर ई-प्रोक्युरमेंट (E-Tendering) के माध्यम से निविदा प्रपन्न फार्म A में निविदा आमंत्रित की जाती है

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

शते

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 1 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 2 पालिक निगम (साडा) के हित के विरूद्ध कार्य किया गया हो उन्हे निविदा भरने की पात्रता नही होगी।
- इच्छुंक ठेकेवारों को उचित वर्ग में पंजीयन की प्रमाणित प्रतिलिपि यदि साझेदारी फर्म हो तो उसका प्रमाण पन्न (पाटर्नरशीप 3 डीड) की सत्य प्रतिलिपि, उपलब्ध तकनीकी अमले की जानकारी, विगत 3 वर्षों का आयकर चुकता प्रमाण पत्र/पेन नम्बर, जी. एस.टी. पजीयन प्रमाण पत्र एवं अमानत राशि के FDR/TDR की प्रति ऑनलाईन अपलोड करना अनिवार्य होमा, 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 रकेन कापी ऑन लाईन सिस्टम पर अपलोड करना अनिवार्य होंगा ।
  - 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 कोसाबाडी 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 रू. 100/– नॉनज्यूडिशियल स्टाम्प) निविदा आगंत्रण 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 देथ हो प्रस्तुत करना अनिवार्य होगा।
- 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 4 छोडकर शेष कार्यों में 5 प्रतिशत परफार्मेंस सिक्यूरिटी 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 कर्मवारी भविष्य निधि संगठन एवं कर्मवारी राज्य बीगा निगम, रायपुर से पंजीयन कराकर कोड प्राप्त कर 5 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 ) 6 अधिनियम 1996 एवं तदअंतर्गत निर्धारित नियमों के तहत् पंजीयन कराना आवश्यक होगा तथा निर्माण लागत का 1 प्रतिशत उपकर के रूप में प्रत्येक देयक से कटौती की जावेगी।
- ईट से संबंधित निर्माण कार्यों में फ्लाई एश ब्रिक का उपयोग किया जाना अनिवार्य होगा। 7
- प्रयुक्त लोहा का बिल एवं टेस्ट रिपोर्ट तथा प्रयुक्त सीगेंट का बिल संलग्न करना अनिवार्य होगा। 8
- निविदा दरों असामान्य कमी प्रतीत होने पर सफल निविदा दाता से अनुबंध के पूर्व एस.ओ.आर. एवं निविदा दर की अंतर की 9 राशि के समतुल्य परफारमेंस मारटी 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। उपरोंक्त राशि समयावधि में जमा न करने की दशा में निविदा स्वमेव निरस्त मानी जावेगी।
- निविदा अहरतांतरणीय होगा एवं राशर्त निविदाओं पर विचार नहीं किया जावेगा। 10
- निविदा प्रेपत्र फार्म ए की कडिका 11 अनुसार एसकलेशन देय नहीं होगा। 11
- निविदा के सक्य में किसी प्रकार की विवाद होने की स्थिति में आयुक्त का निर्णय अतिम एवं सर्वमान्य होगा। 12
- निविदा रवीकृत करने अथवा अरवीकृत करने अथवा निरस्त करने का अधिकार नगर पालिक निगम के पास सुरक्षित रहेगा। 13
- उपरोक्त निविदा सूचना की विस्तृत प्रति नगर पालिक निगम, कोरबा के साकेत भवन स्थित निर्माण शाखा से प्राप्त विधे जान्सकते है। 14

कार्यपालन अभियंता नगर पालिक निगम क्र्येरबा (छत्तीसगढ़) प्रोग्रागर, संवालनालय, नगरीय प्रशासन एवं विकास विभाग, रायुपर को uad.cg.gov.in में अपलोड करने हेतु प्रेषित।

प्रतिलिपि

## **Date-Time Detail(s)**

Seq.	Nagar Nigam Stage	Contractor Stage	Star	t	Expi	ry	Remarks
No.			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 Submmission	12.01.2024	18.30	06.02.2024	15.00	
4	Tender Open		06.02.2024	16.00			

KY.

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

#### TENDER/NIT HEADER DETAIL

ODCIMITITIES			
ORGANIZATION NAME	Urban Administration and	PROCUREMENT CATEGORY	WORKS
TENDER NO. NUMBER OF ITEMS ALREADY ATTACHED CURRENCY		TENDER DEALING OFFICER MATCHING	- MANORANJAN SARKAR(EE) NO
NIT TYPE VENDOR CLASS PROBABLE AMOUNT OF	INR - INDIAN RUPEE RESTRICTED TENDER A. B. C. D	TENDER CATEGORY	PERCENTAGE
CONTRACT (PAC) [INR]	4001273 00	OFFICE/DIVISION(PWD) NAME	COMMISSINGR, MUNICIPAL CORPORATION, KORBA
	MUNICIPAL CORPORATION, KORBA	SECTION/CIRCLE(PWD)	TENDER SECTION
DETAILED DESCRIPTION	F.N/ 126/Const./ Kosabadi Zone/ Development of Garden at R.P. N NCAP		with 3 years maintenance under
IS AUCTION ENABLED?	N 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-7	TIME DETAIL(S)			
BID SUBMISSION START	Jan 12, 2	2024 08:	30:00; <b>PM</b>	BID DUE DATE	Feb	5, 2024	05:30:40:PM
DATE							

 DATE
 Feb 6, 2024 04:00:06:PM
 PHYSICAL DOC SUBMISSION Feb 6, 2024 03:00:15:PM

 (scheduled)
 END DATE

### PRE-BID DISCUSSION DETAILS

PRE-BID DISCUSSION NOT REQUIRED

1

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	
2	DECLARATION FOR NOT BEINGBLACK LISTED	YES		OTHER
3	LIST OFTECHNICALSTAFFDETAIL		NO	OTHER
1	GST CERTIFICATEFROMCHHATTISGARH	YES	NO	OTHER
5	DECLARATIONFOR NOT ABOVE TOTAL WORK OF REGISTRACTION	YES	NO	OTHER
	CAPACITY	YES	NO	OTHER
7	REGISTRATIONCERTIFICATE (ANY GOVTDEPTINCHHATTISGARH			
3	INCOMETAXCLEARANCECERTIFICATE	YES	NO	OTUDE
	I CONTRACTOR AND A CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT. CONTRACT OF A CONTRACT OF A CONTRACT. CONTRACTACTACTACTACTACTACTACTACTACTACTACTACTA	YES	NO	OTHER
				OTHER

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

As per SOR :

## **DETAILED ESTIMATE**

: LAND SCAPING AND PATHWAY

SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD BUILDING-01.01.2015]

SN	REF	ITEM DESCRIPTION	N	L	В	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 4.48			
			2X20	0.70	0.40	Total	62.97	cum	185.00	11649.45
2	1.2	Surface dressing of the				Total	02.07	cuitt		
		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			
						Total	5600.00	sqm	7.20	40320.00
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								
-	an ann forth	and including 120 cm girth					30.00			
1										

Ni	1	TEM DESCRIPTION	N	L	В	H/D	QTY	UNIT	RATE	AMOUNT
X						Total	30.00	each	582.00	17460.0
1 1.		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	0.1170	371.00	20449.5
	00					Total	55.12	cum	571.00	20440.0
5 1	.26	Carriage by mechanical								
2	26.3	transport upto 5 km lead: Dismantled Building debris								
4	.0.5	(Mulba)								
		(ivitiba)					50.00			
						Total	50.00	cum	91.50	4575.0
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				istai	21.20	oqui	100.00	0100.00
/	5.1	nominal mix plain cement								
		concrete with crushed								
		stone aggregate using								
		concrete mixer in all								
		works upto plinth level								
		excluding cost of form								
	1.3	work. 3 1:3:6 (1 cement : 3								
	1,3	coarse sand : 6 graded								
		stone aggregate 40mm								
		nominal size).								
			2	90.00	0.30	0.10	5.40			
and the second second			2X2	36.40	0.30	0.10	4.36			

Y	A	TEM DESCRIPTION	N	L	В	H/D	QTY	UNIT	RATE	AMOUNT
1	Con .		1	40.00	0.30	0.10	1.20			
9	1. I.	3	2	90.00	1.80	0.10	32.40			
0		FOR GEATING	3	40.00	1.80	0.10	21.60			
		FOR SEATING	2X20	0.60	0.40	0.10	0.96			
						Total	65.92	cum	2970.00	195782.4
		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			
									4072.00	6109.5
						Total	1.50	cum	4073.00	6109.5
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			
						Total	6.12	cum	4163.00	25477.5
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			
						Total	306.00	kg	54.50	16677.0
10		Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to 1S:12894-2002 of class designation 4.0 in foundation and plinth in:								
	5.4	Cement Mortar 1:6 (1 cement : 6 coarse sand)								
1		cement : o coarse sand)					1			

M.C.	100	THE DECODIDITION		• 1	-			11441-	D 175	A
No.	ATT	EM DESCRIPTION	N 2X2	L 36.40	B 0.20	H/D 0.40	QTY 11.64	UNIT	RATE	AMOUN
à	-		1	40.00	0.20	0.40	3.20			
Selfer a		1		40.00	0.20	0.40	5.20			
-										
						Total	29.24	cum	3263.00	95410.
11		Providing and making 5mm thick cement plaster on the rough side of single or half brick wall of mix:								
	3.4	In Cement Mortar 1:6 (1 cement : 6 fine sand)								
		cement : o mie sand)	2	90.00		0.50	90.00			
			2X2	36.40		0.50	72.80			
			1	40.00		0.50	20.00			
			4X30	0.60		0.70	50.40			
						Tatal	233.20	cam	107.00	24952.
	12.7	Providing and fixing				Total	233.20	sqm	107.00	21002
		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								
	7.1	sqm including pointing in white cement mixed with matching pigment complete. Size upto 200x300mm					44.00			
	7.1	white cement mixed with matching pigment complete.	4X20	0.80		0.70	44.80			
		white cement mixed with matching pigment complete. Size upto 200x300mm	4X20	0.80		0.70 Total	44.80		587.00	26297.
1	3 12.3	white cement mixed with matching pigment complete. Size upto 200x300mm	2	90.00	1.80	Total	44.80	sqm	587.00	26297.
1	3 12.3	<ul> <li>white cement mixed with matching pigment complete.</li> <li>Size upto 200x300mm</li> <li>G Chequered terrazzo tiles 22 mm thick with graded marble chips of size upto 6mm in floors on 25mm thick bed of cement mortar 1:6 (1 cement : 6 coarse sand) jointed with neat cement slurry mixed with pigment to match the shade of tiles including grinding rubbing and polishing complete.</li> <li>Light shade using white</li> </ul>		90.00	<u>1.80</u>	Total	44.80	sqm	587.00	26297

TITEM	DESCRIPTION	N	L	В	H/D	OTV	114117	FD 4 700 000	
and the second se	ished Granite stone slab		-	D	Π/U	QTY	UNIT	RATE	AMOUNT
	oring laid over 20mm								
	verage) thick base of								
	nent mortar 1:4 (1								
	nent : 4 coarse sand) laid								
	d jointed with grey ment slurry including								
rul	obing and polishing etc.								
co	mplete. (Area of slab								
sh	ould be 0.50 sqm and								
	ove)								
45.2 G	ranite stone black								
		20	1.70	0.80		27.20			
					Total	27.20	cam	2646.00	71971.2
5 14.17 Pa	ainting exterior surface				TOLAI	21.20	sqm	2040.00	110/1.2
	ith TEXTURED exterior								
p	aint of required shade as								
	er manufacturer's								
	pecifications to give								
	rotective and decorative inish including cleaning								
	vashing of surface etc.								
	omplete with:								
16 14.6 V	White washing with whiting								
	o give an even shade.								
	On new work (Three or								
r	nore coats)					233.20			
					Total	233.20	sqm	9.00	2098.8
	Finishing walls with water								
	proofing cement paint of								
	required shade to give an even shade.								
	On new work (Two or more								
	coats applied @ 3.84 kg/10								
	sqm)					000.00			
						233.20			
					Total	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).		40.00	20.00	0.00	240.00			
		1	40.00	30.00	0.20	240.00			
					Total	240.00	cum	201.00	48240.00
			Contraction of the second s		and the second s	and the second	and an owner that the state of	Charles and the contract of the state	Contraction of the second second

Powered By : Estimate Maker Software Pg. 5

	Nº 2	ITEM DESCRIPTION	N	L	В					
	in	site well decayed cow		L	В	H/D	QTY	UNIT	RATE	AMOUNT
1		Jung 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			
20	00.05					Total	60.00	cum	236.00	14160.00
20	22.25	Providing and planting							100.00	11100.00
		following herbs in garden								
		including preparation of								
		soil, base plantation,								
		providing and spreading								
		different fertilizers, soil and sand:								
	25.1	Hedges like Alife, Dorenta,	100				100.00	each	14.00	1400.00
	25.2	Tikoma etc								
	25.2	Furn like Arica, China etc (3 year old)	100				100.00	each	125.00	12500.00
	25.4	Carpet grass (well								
	2011	developed)								
			1	38.00	28.00		1064.00			
				1			1001.00		000.00	
						Total	1064.00	sqm	263.00	279832.00

Say Rs.

0

Sub Engineer Nagar Palik Nigam, Korba

Astt. Engineer Nagar Palik Nigam, Korba

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

### DETAILED ESTIMATE

Name of Work : As per SOR :

BOUNDRY WALL GRILL SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD BUILDING-01.01.2015]

AMOUNT RATE QTY UNIT H/D B L Ν REF ITEM DESCRIPTION SN Excavation for all types and 1.1 1 sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soils. 1.1 10.12 1.50 1.50 1.50 3 -FOR GATE 1.50 0.50 0.50 6.00 1 -WALL 105.40 1.20 1.20 1.20 61 21648.70 185.00 117.02 cum Total 7605.00 65.00 117.00 cum Filling from available 2 1.17 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. Providing filling and 3 1.19 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. 270.00 0.30 30.00 1 30.00 65340.00 270.00 242.00 Total cum Providing and fixing form 4 2.1 work including centring, shuttering, strutting, Powered By : Estimate Maker Software Pg. 1

	4	TEM DESCRIPTION	N	L	В	H/D	QTY	UNIT	RATE	AMOUNT
1	S	staging, propping bracing					4.1.	UNIT	INATE	AMOUN
1		te. complete and								
	15	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	01/4	4.00						
		-F3	3X4	1.00		0.30	3.60			
		-COL B.P.L.	3X4	0.60		0.40	2.88			
			3X4	0.40		0.40	1.92			
		-P.B	1X2	6.00		0.30	3.60			
		-F2	04744	0.00		0.00	20.04			
-		-F2	61X4	0.20		0.80	39.04			
						Total	51.04	sqm	139.00	7094.5
	1.5	Columns, Pillars, Piers and					0	- 1		
		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			
						Total	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			
						Total	5.40	sqm	235.00	1269.00
	1.8	Beams, lintels, cantilevers								
		& walls								
			2X1	360.00		0.20	144.00			
						Total	144.00	sqm	202.00	29088.00
-	24	Providing and laying				Total	144.00	Sqiii	202.00	20000.00
5	3.1	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								
	1.3	coarse sand : 6 graded								
		stone aggregate 40mm								
1		nominal size).								

	1-4	ITEM DESCRIPTION	N	L						
1	La .		3	1.50	B 1.50	H/D	QTY	UNIT	RATE	AMOUNT
		<u></u>	1	6.00	0.50	0.10	0.67			
			61	1.20		0.10	0.30			
				1.20	1.20	0.10	8.78			
	1.5	$1:1\frac{1}{2}:3$ (1 cement : $1\frac{1}{2}$				Total	9.75	cum	2970.00	28957.50
		coarse sand : 3 graded						cum	4073.00	
		stone aggregate 20mm								
		nominal size).								
6	3.2	Providing and laying								
		nominal mix reinforced								
		cement concrete with								
	1	crushed stone aggregate								
		using concrete mixer in								
		all works upto plinth								
		level excluding cost of form								
		work.								
	2.1	$1:1\frac{1}{2}:3$ (1 cement : $1\frac{1}{2}$								
	2.1	coarse sand : 3 graded								
		stone aggregate 20mm								
		nominal size).								
		-F1								
		-F2	3	1.50	1.50	0.30	2.02			
		-F3	3	1.00	1.00	0.40	1.20			
		-COL B.P.L	3	0.60	0.60	0.30	0.32			
-		-COL B.F.L -P.B	3	0.40	0.40	0.40	0.19			
		-COL	1	6.00	0.40	0.30	0.72			
		-GATE SLAB	3	0.40	0.40	3.00	1.44			
		-GATE SLAB	1	6.00	0.40	0.30	0.72			
		-F1	61	1.00	1.00	0.00	00.05			
		-F1 -F2	61 61	1.20	1.20	0.30	26.35			
		-r2 -COL	61	0.20	0.20	0.80	1.95			
			61	0.20		2.00	4.88			
		-COL.ABOVE L.B.	1	360.00	0.20	0.80	1.95			
Charly La		-L.B.		360.00	0.20	0.20	14.40			
						Total	EC 14	01177	4462.00	000740.00
7	2.40	Providing and placing in				Total	56.14	cum	4163.00	233710.82
7	3.12	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								
	10.1	plinth all complete:								
	12.1	Thermo-Mechanically treated bars FE 415								
		Treated Dats FE 413	52	60.00			3120.00			
			JZ	00.00			0120.00			
						Total	3120.00		54.50	170040.00

17	A STOCDURTION	N		0	1100	07/	(11)	DATE	ALCOUNT
15	Brick work with modular	n	L	В	ци	QIT	UNII	RAIE	AMOUNT
	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	-		
					and the second second second	0.72			
					1.20	21.96			
		01						0000.00	120992.04
					Total	37.08	cum	3263.00	120332.04
9.1	single section including cutting, hoisting, fixing in position and applying a priming coat of red oxide								
						150.00			
		144	1.00	4.50		+		61.50	49077.00
					Total	798.00	kg	01.50	43077.00
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								
		2880	0.80	0.89		2045.95			
					Total	2045 95	ka	67.50	138101.62
					TOTAL	2040.00	ng		
11.2	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			
								04.50	20202.29
					Total	353.25	sqm	91.50	32322.38
11.3	Providing and making 15mm thick cement plaster on the rough side of single								
	9.15	Ip-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:5.4Cement Mortar 1:6 (1 cement : 6 coarse sand)9.1Structural steel work in single section including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.9.15Providing 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.11.2Providing and making 12mm thick cement plaster of mix:2.4In Cement Mortar 1:6 (1 cement : 6 fine sand)11.3Providing and making 15mm thick cement plaster	43       Brick work with modular Ik-ash lime bricks (FaLG Bricks) confirming to 1S:12894-2002 of class designation 4.0 in foundation and plinth in:         5.4       Cement Mortar 1:6 (1 cement : 6 coarse sand)         5.4       Cement Mortar 1:6 (1 cement : 6 coarse sand)         61       1         9.1       Structural steel work in single section including cutting, hoisting, fixing in position and applying a priming coat of red oxide zine chromate primer. -FOR GATE         -FOR BOUNDRY WALL       144         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         11.2       Providing and making 12mm thick cement plaster of mix:       24         11.3       Providing and making 15mm thick cement plaster       1	Prick work with modular Is-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:Image: Section including four single section including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.Image: Section including for 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 or red oxide zinc chromate primer.Image: Section including for approved pattern made of M.S. flats or square or round bars welded to frame with all necessary fitting complete including applying a priming or red oxide zinc chromate primer.Image: Section including for approved pattern made of M.S. flats or square or round bars welded to 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.Image: Section including for approved pattern for approved pattern for approved pattern made of M.S. flats or square or round bars welded to frame with all necessary fitting complete including applying a priming of red oxide zinc chromate primer.Image: Section including for approved pattern for appr	Brick work with modular Be-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:	Prick work with modular p-ash time bricks (FaLG Bricks) confirming to IS: 12894-2002 of class designation 4.0 in foundation and plinth in:Image: Second	Arick work with modular ash time bricks (FaLG Kricks) confirming to IS:12894-2002 of class designation 4.0 in coundation and plinth in:       Image: Second Seco	A:       Frick work with modular prices (FaLG Bricks) confirming to 1S: 12894-2002 of class designation 4.0 in foundation and plinth in:       Image: Section 1 and	Prick work with modular up-ash line bricks (FaLG tricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:

The sea	ITEM DESCRIPTION	N	L	В	H/D	OTY	UNIT	RATE	AMOUNT
	or half brick wall of mix:		-		140	411	UNIT	10015	7460011
3.4									
	cement : 6 fine sand)								
		1	360.00		0.60	216.00			
		61	1.50		1.50	137.25			
					Total	353.25	sqm	107.00	37797.7
3 14.45	Removing dry or oil bound distemper by scraping sand papering and preparing the surfaces smooth including necessary repair to								
	scratches etc. complete.				1.50	1080.00			
		2	360.00		1.50	1000.00			
					Total	1080.00	sqm	5.20	5616.00
14 44 6	White washing with whiting				10121				
14 14.6	to give an even shade.								
6.1	On new work (Three or								
0.1	more coats)								
		2	360.00		1.50	1080.00			
								0.00	9720.00
					Total	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.				1.50	1020.00		41.00	44280.00
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	
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.		200.00	0.20	0.20	14.40			
		1 61	360.00 1.50	0.20	1.20	21.96			
		01	1.50	0.20	Total	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								

	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
2	complete including disposal			Stan Scholmannen	and the second state of the second states	and a result in consumption of the		MAIE	AMOUNT
AP?	grubbish to the dumping ground within 50metres lead :								
1.1	Thickness upto 15mm							172 - 0 3.7 million - 10	en marine de la companya de la comp
		2	360.00		1.00	720.00			المان المساح بالمان من الالتحقي المان التي الم محمد المان المان المان المان المان المانية المانية الم
					Total	720.00	sqm	132.00	95040.00
18 14.22	Painting on new work (two or more coats) to give an even shade with:				5 m				
22.1	Satin synthetic enamel paint							The R. Const. Sec.	an an the and the state of the second state
		1	360.00		1.00	360.00	anno guine sociale de la c		
		1	5.00		2.10	10.50			
					Total	370.50	sqm	55.00	20377.50

As per Estimate Amount Rs. 1 Say Rs.

Sub Engineer Nagar Palik Nigam, Korba

Astt. Englneer Nagar Palik Nigam, Korba

# FICE OF THE MUNICIPAL CORPORATION, KORBA(C.G.) DETAILED ESTIMATE WATER SUPPLY

Chlorinated         Polyvinyl Chloride         Chlorinated         Polyvinyl Dipas           having thermal stability for hot & cold water supply including all CPVC plan & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing.	Contraction of the local division of the loc					WAT	er supply				
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:     20.00     each     494.00     9880.1       8     Stop cock (concealed) (600 grams     20.00     each     494.00     9880.1	5 1	Chlorina Chloride having hot & including brass t fixing th 1.00 m This in pipes & CPVC = cement comple Engine Charge 1 15 mr .Pipes. 4 32 mr .Pipes 20.6 Provid alignin and jo level/ HDPE grade applic 1996 in tref comple	ted P (CPVC) thermal stab cold water g all CPVC pl hreaded fitti e pipe with cl spacing. ncludes join fittings with c solvent and testing te as per direct and testing te as per direct and testing te as per direct solvent and testing te as per direct solvent and provide the ing, lowering of, fixing in p inting at all depths ISI depths ISI pipes of and PN 6 for ation as per l (amended u nches in lete includ ial, labour, te hissioning as p ion of Engine	pipes, ility for supply ain & ngs i/c amps at iting of one step of joints ection of outer dia outer dia outer dia outer dia puter dia puter dia puter dia puter dia sever S 14333- pto date) ling all esting and per		10		380.00	metre	271.00	
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		100 m	nm dia		3	10		 30.00			,5555.00
l grams	7	nomi fitting and inclu exter	nal bore C. gs of approv conforming t ding C.P. nsion if require	.P. brass ved make o IS:8931 brass ed:				20,00	each	494.00	9880.00
TOTAL = 171140.	-	gran	15				1	 I	I	TOTAL =	171140.00

Sub Engineer Municipal Corporation Korba (C.G.)

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

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

Name of work:- TOILET

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

5.N.	SOR	ITEM DESCRIPTION	NO	L	В	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								
	54 	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				4.00	6.91			
			4	1.20	1.20		3.74			
			4	2.60	0.60		81.14.1	Cum	185.00	1971.30
						Total=	10.66	Cum	100.00	
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:			<i>i</i>					
		Foundations, footings, bases o	F							
		columns plinth beam, curtain wal			3					
		in any shape and size and all type								
		of wall below plinth level.			8					
			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		400.00	1117.5
						Total=	8.04	Sqm	139.00	1117.5
		5 Columns, Pillars, Piers and likes	-							
		rectangular or square in shape				0.00	5.28			
		,	8			3.30	7.92			
			8	0.30		3.30			297.00	3920.4
	-					Total=	13.20	sqm	291.00	0020.1
		7 Suspended floors, roofs, access	S							
1		platform, balconies (plair	וי							
1		surfaces) and shelves (cast in	וי							
		situ)	1	3.00	3.00		9.00			
			'	3.00	0.00	Total=	9.00		235.00	2115.0
		8 Beams, lintels, cantilevers & walls								
			16	2.60	0.300		12.48			
1			1 10			1	12.48	sqm	202.00	2520.9

A.V.	1	19Dro	viding and filling in the								
31		IOFIC	viding and filling in plinth with								
	1	Sal	nd/ Crusher dust and hard								
		mc	orum under floor in layers not		1						
		lex	ceeding 20cm in donthe								
۶. I.		CO	nsolidating each deposited layer								
- 1		by	ramming and watering,				1				
			cluding dressing etc. complete.								
F			dessing etc. complete.								
ŀ				4	1.20	1.20	0.10	0.58			
L				1	3.00	2.80	0.20	1.68			
1					0.00	2.00	0.20	1.00			
ł											
4	-	2 4 10					Total=	2.26	Cum	371.00	836.9
7		3.11	roviding and laying nominal mix								
		p	lain cement concrete with								
		C	rushed stone aggregate using								
			oncrete mixer in all works upto								
		l r	linth level excluding cost of form								
			work.								
		3	1:4:8 (1 cement : 4 coarse sand :								
	1		B graded stone aggregate 40mm								
		1	nominal size).								
				4	1.20	1.20	0.10	0.58			
				4	2.60			0.62			
	$\vdash$			1	2.60			0.68			
				<u> </u>	2.00	2.00		1.88	Cum	2659.00	4988.2
-	5	1 17					Total=	1.00	Cum	2039.00	4300.2
	5	1.17	Filling from available excavated							1	
			stuff (Excluding rock) in trenches								
			plinth, sides of foundation etc. in								
			layers not exceeding 20cm ir								
			depthconsolidating each deposited								
			layer by ramming and watering								
			with a leadupto 50 M. and lift upto	2			1 1				
			1.5 M.						ļ		
				-				10.66			
							Total=	10.66	Cum	65.00	692.6
Γ	6	3.	2 Providing and laying nominal mi	×							
	1		reinforced cement concrete with		1						
			crushed stone aggregate usin								
			concrete mixer in all works upt	o							
			plinth level excluding cost of form	n							
			work.								
			1 1:11/2:3 (1 cement : 11/2 coars								
			sand : 3 graded stone aggregat	е							
			20mm nominal size).								
			COLUMN		4 1.1	0 1.1	0 0.25	1.21			
			FOOTING		4 0.5	0.5	0 0.30	0.30			
					4 0.2	20 0.3	0 1.00	0.24	1		
				_	4 2.6						
				_	4 2.6						
				_	4 0.2	_					
					_				_		
			SLAB		1 3.0				-		
		1			2 3.0	00 0.6	0.10	0.36	5		1

-	1.04	1015									
	TURNIN .	Γ		4	1.40	0.20	0.30	0.34			
Aller	and a			2	3.10	0.20	0.30	0.37			
	, Bar	- H					Total=	5.98	Cum	4163.00	24907.23
			Titre for loving DCC/DCC of any				TULAI-	0.00	Cum	97.50	
7			Extra for laying PCC/RCC of any					0.00	Cum	07.00	
			grade in superstructure above								
			blinth level for every floor or part								
			thereof in addition to rate for								
			foundation and plinth:								
8			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:								
		1	Thermo-Mechanically treated bars								
	-		FE 415		100	5.98		598.30			
					100	0.00	Total=	598.30	kg	54.50	32607.35
							TOLAI-				
	9	7.5	Brick work with modular fly-ash								
			lime bricks (FaLG Bricks)								
			confirming to IS:12894-2002 of								
			class designation 4.0 in foundation								
			and plinth in: 3 Cement Mortar 1:6 (1 cement : 6								
		:									
			coarse sand)	4	2.60	0.20	0.60	1.25			
				3	2.60		3.30	5.15			
				-			Total=	6.40	Cum	3263.00	20870.15
			in a land				10tu.				
	10	3.	1 Providing and laying nominal mix plain cement concrete with								
			plain cement concrete with crushed stone aggregate using								
			concrete mixer in all works upto	SI .							
			plinth level excluding cost of form								
			work.								
	$\vdash$		5 1:11/2:3 (1 cement : 11/2 coarse	2							
			sand : 3 graded stone aggregate								
			20mm nominal size).					0.00			
				2	3.00	1.50	0.10	0.90		1070.00	3665.70
	H						Total=	0.90	Cum	4073.00	3665.70
	11	12	.7 Providing and fixing ceramic								
	`'	12	glazed wall tiles conforming to IS	:							
			15622 of approved make, colours	,							
			shades and size on wall and	j l							
			dados over 12 mm thick bed o	f							
	- 1		cement Mortar 1:3 (1 cement :	3				i.			
			coarse sand) and jointing with gre	У		1					
			cement slurry @ 3.3kg per sqn		1						
			including pointing in white cemer	nt i							
			mixed with matching pigmer	"							
			complete. 2 Size above 200x300mm								
	1		2 Size above 200x300mm		1	1	1		L	L	

1		4	2.80		2.10	23.52			
A.		1	1	1	Total=	23.52	sqm	587.00	13806.2
10	12.9 Providing and laying ceram	d	<u> </u>	1	1				
12	glazed floor tiles conforming to IS								
	15822 of approved size, make		1		1 1				
	colour, shade laid on 20 mm this				1 1				
	Cement Mortar 1:4 (1 cement :								
					1 1				
	coarse sand) including pointing				1				
	the joints withwhite cement mixe				1 1				
	with matching pigment etc	~1			1				
	complete.	+	3.00	3.00		9.00			
	1 Size 300x300mm	1	3.00	3.00	Total=	9.00	sam	892.00	6228.
					10(a)-				
14	9.15 Providing and fixing M.S. grill	of						1	
	approved pattern made of M.	5.			1 1	1	1		
	flats or square or round ba	18							
	welded to steel frame of window	15			1 1				
	etc. including applying a primir	9			1 1				
	cost welded to frame with a	311			1 1				
1	necessary fitting comple	e			1 1				
	including applying a priming of re	0	1						
	oxide zinc chromate primer.								
			12.00			24.00		07.00	1620.
	ventilator		12.00		Total=	24.00	Kg	67.50	1020.
	making form this	*	-						
15	11.1 Providing and making 6mm this cement plaster of mix								
	2 In Cement mortar 1:4 (1 cement								
	4 fine sand)					8.6			
$\vdash$	4 line sand)	1	2.6	3.30		8.58	sam	87.00	746.
$\vdash$					Total=				
16	11.2 Providing and making 12mm thic	×							
10	a mont plaster of MIX	_							
F	4 In Cement Mortar 1:6 (1 Cement	1							
	6 fine sand)	4	2.60		3.90	40.56			
									3711.
					Total=	40.56	sqm	91.50	3/11.
	in and making 15mm this	k							
17	11.3 Providing and making 15mm thic	e							
	cement plaster on the rough sid								
	of single or half brick wall of mix:	:				1			
	4 In Cement Mortar 1:6 (1 cement								
	6 fine sand)	4	3.00		3.30	39.60			
								107.00	4237.
1					Total=	39 60	sqm	107.00	4201.

-		/							
	6	3 an	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		101.00	8962.74
2		14.40	10/-11						0002.14
		14.49	premium emulsion (plastic) manufactured with the cow dung processinh 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
			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:					0.15.00	400.00
			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.						
		<u> </u>	Single		Total=	2.00	nos	47.00	94.00

F	0 149	Providing and fixing factory made	 			1			
2	A CONTRACT OF	PVC door shutters of specified							
	C	hickness made of styles and rails of a UPVC hollow section of specified size 59x24 mm and wall							
	t	hickness 2 mm ± 0.2 mm with nbuilt edging onboth sides. The							
		styles and rails mitred and joined at the corners by means of M.S. galvanised/ plastic brackets of size							
		75x220 mm having wallthickness 1.0 mm and stainless steel screws.							
	2	8.149.1 24 mm thick door shutters with styles and rails of size 59x24	1.00	2.10		2.10			
		mm side	 		Total=	2.10	sgm	2399.00	5037.90
					10(3)-	J		TOTAL=	151765.45

Asstt. Engineer Municipal Corporation

Korba (C.G.)

Sub Engineer Municipal Corporation Korba (C.G.)

## PART - B -SANITATION WORK

Constant of the other	ALC: N				 				
Soo.	18.76	Providing and fixing on wall face							
24	I.	JV stabilized Unplasticised Rigid							
2		PVC pipes (single socketed)			÷				
		naving 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.							
		75 mm dia pipe.	1	15.00		15.00	metre		2730.00 10680.00
	2	110 mm dia pipe.	1	40.00		40.00	metre	267.00	
2		Providing and fixing water closet				2	each	2899.00	5798.00
-		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 :							
	3	White Orissa pattern W.C. pan of							
		size 580x440 mm			 	2	each	1605.00	3210.00
	3 18.17	Providing and fixing vitreous china				2	caom	100011-	
		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 :							
		1 White Oval or round size							
		550x400mm			 				
	4 18.7	7 Providing and fixing on wall face							
		UV stabilized Unplasticised - PVC	1						
		moulded fittings/ accessories							
		having 3.2mm wall thickness for							
		Rigid PVC pipes conforming to IS							
1		13592 (heavy) jointing with sea	,						
		ring conforming to IS : 5382 leaving 10 mm gap for therma							
			1						
		expansion. Tee/ Tee with door/ Bend 45°	/						
	1						L	440.00	226.00
		Bend 90°	T				each		1540.00
		2 110 mm				10.00	each	154.00	1540.00
	3	Vent covel					acab	34.00	136.00
	<u> </u>	1 75 mm					each		543.00
	6	Nahani trap 110x75mm				6.00	each	90.50	040.00

0	and sun								
	, For		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, aving thermal stability for hot & cold water supply including all CPVC plain & orass 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
			25 mm nominal outer dia .Pipes.			15.00	metre	199.00	2985.00
			32 mm nominal outer dia .Pipes.			 12.00	metre	271.00	3252.00
	e		Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality: Bib cock (250 grams)			6.00	each	185.00	1110.00
ł					 				
	s	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:						
			5 Stop cock (concealed) (600 grams			2.00	each	494.00	988.00
			4 Piller Cock (400 grams)	-		2.00	each	398.00	796.00
			3 Providing and fixing 15 mm nominal bore Brass bib/stop cock						
			of approved quality: Bib cock (400 grams)			4.00	each	382.00	1528.00
		1	Long nose bib cock (500 grams)	-	 	4.00	each	455.00	1820.00
			5 Providing and fixing stainless steel drain jali of approved make/guality.			12.00	each	51.00	612.00
		10 19.1	6 Providing and fixing brass/ gur metal gate valve with C.I. wheel of approved quality (screwed end):	F		2.00	each	436.00	872.00
			1 25 mm nominal bore		 	 		510.00	1020.00
			2 32 mm nominal bore.		1	2.00	each	510.00	1020.00

1 19.51	Constructing masonny Changer						
	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			2.00	each	4356.00	8712.00
	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 :						
13 19.4	<sup>42</sup> 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
				-	OTAL		210923.45

A . Asstt. Engineer Municipal Corporation

Korba (C.G.)

Sub Engineer Municipal Corporation Korba (C.G.)

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

# Ame of Mark : As per SOR :

ELECTRIFICATION

## DETAILED ESTIMATE

SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD BUILDING-01.01.2015]

SN	RE	FIT	EM DESCRIPTION	Ν	L	В	LUD.	0714			
1	19.6	6	Supply of the time				H/D	QTY	UNIT	RATE	AMOUNT
	13.0		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						4.00	Each	5942.00	23768.00
			bottom and 75mm at top,								
			base plate size								
			200x200x12mm, foundation	1							
			bolts 450mm long								
	2	19.9		5							
			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								
		1	tor tightenning the orthogen		1		det of contractor	ID P		Jaker Softw	D- 1

100	f	ITEM DESCRIPTION	Ň	L	В	H/D	QTY	UNIT	RATE	AMOUNT
		with pole by providing				110	Q11	UNIT	RATE	AMOUNT
A	Toronto and	suitable size heavy duty				1				
		nuts and bolts in canopy,								
		painting with one coat of								
		approved steel primer etc.								
		as per specification.								
-	9.7	Double Over Hang 1.50					4.00	Fash	4000.00	7470.00
		metre Long					4.00	Each	1869.00	7476.00
3	19.11	Erection of GI octogonal/								
		tubular/conical pole on								
		existing cement concrete								
		foundation having grouted								
		bolts and nuts, aligning in								
		true vertical position as per				1				
		specification.								
	provide statements of the survey of	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								
		3 x 25 sq. mm					200.00	Metre	97.00	19400.00
5	19.12	Designing and providing					4.00	cum	5219.00	20876.00
		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, embeding 2 nos								
		50mm dia PVC pipe for								
		cable entry in each								
		foundation, excavation								
		disposal of surplus soil and								
		curing etc. as per specification.								
6	14.2	Supplying and laying HDPE								
0	14.2	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								
	a des he			THE REPORT OF THE		Powered	d By · Esti	mate Mr	aker Softwar	Pa 2

secification.						and the second s	the second se	AMOUNT
a mm outer dia				Ter I and the second second	100.00			
upplying and laying					100.00	Metre	124.00	12400.00
ollowing sizes one number RLS PVC								
sulated/XLPE, PVC								
per specification, IS: 1554								
(1988, Part 1) & IS: 7098								
(1988, Part 1).								
4 x 25 sq. mm.					50.00	Metre	321.00	16050.00
Supplying and making end								
-								
					2.00	Each	104.00	208.00
					1.00	Set	6209.00	6209.00
3 mm thick including								
accessories, and providing								
masonry enclosure with								
					20.00	Metre	36.00	720.00
electrode, including								
soldering, excavation and								
commissioning of cubicle								
	RLS PVC isulated/XLPE, PVC heathed, steel armoured, luminium conductor power table of 1.1 KV grade lirect in ground at a depth hot less than 40 cm and upto 90 cm including excavtion, sand cushioning, protective covering and refilling the trench etc as per specification, IS: 1554 (1988, Part 1) & IS: 7098 (1988, Part 1). 4 x 25 sq. mm. 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 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) 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.	RLS PVCasulated/X1.PE, PVCheathed, steel armoured,luminium conductor powertable of 1.1 KV gradelirect in ground at a depthhot less than 40 cm andupto 90 cm includingexcavtion, sand cushioning,protective covering andrefilling the trench etc asper specification, 1S: 1554(1988, Part 1) & IS: 7098(1988, Part 1).4 x 25 sq. mm.Supplying and making endtermination with brasscompression gland andaluminum lugs forfollowing size armouredaluminum conductor powercable of 1.1 KV grade asper specification4 x 25 sq. mm (25 mm)Earthing with copper carthplate 600 mm X 600 mm X3 mm thick includingaccessories, and providingmasonry enclosure withcover plate having lockingarrangement and wateringpipe, with charcoal and saltas per specification and 1SCode 3043: 1987(R 2016)Supplying and laying 6SWG G.I. wire at 0.50metre below ground levelfor conductor earthelectrode, includingsoldering, excavation andrefilling the trench etc. asper specification.aFabrication, supply,	R1.S PVC         nsulated/XLPE, PVC         heathed, steel armoured,         luminium conductor power         table of 1.1 KV grade         lirect in ground at a depth         tot less than 40 cm and         upto 90 cm including         excavtion, sand cushioning,         protective covering and         refilling the trench etc as         per specification, IS: 1554         (1988, Part 1).         4 x 25 sq. mm.         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.         4 X 25 sq. mm (25 mm)         Earthing with copper carth         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 1S         Code 3043: 1987(R 2016)         Supplying and laying 6         SWG G.I. wire at 0.50         metre belo	RLS PVC         asulated/XLPE, PVC         heathed, steel armoured,         huminium conductor power         able of 1.1 KV grade         lirect in ground at a depth         hot less than 40 cm and         upto 90 cm including         excavtion, sand cushioning,         protective covering and         refilling the trench etc as         per specification, 1S: 1554         (1988, Part 1) & IS: 7098         (1988, Part 1).         4 x 25 sq. mm.         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.         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 1S         Code 3043: 1987(R 2016)         Supplying and laying 6         SWG G.1.	RLS PVC       isulated/XLPE, PVC         heathed, steel armoured,       iminium conductor power         able of 1.1 KV grade       iirect in ground at a depth         iot less than 40 cm and       iipto 90 cm including         excavtion, sand cushioning,       protective covering and         refilling the trench etc as       per specification, IS: 1554         (1988, Part 1).       1S: 7098         (1988, Part 1).       4 x 25 sq. mm.         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.         per specification.       4 x 25 sq. mm (25 mm)         Earthing with copper earth       plate 600 mm X 600 mm X         jam 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)         Supplying and laying 6       Swpfing and laying 6         Supplying and laying 6       Swpfing and laying 6         Supplying and laying 6       Swpfing, exeavation and         refilling the trench etc. as	RLS PVC       sulated/XLPE, PVC         heathed, steel armoured,       luminium conductor power         able of 1.1 KV grade       liftect in ground at a depth         tot less than 40 cm and       upto 90 cm including         excavtion, sand cushioning,       protective covering and         refilling the trench etc as       per specification, 15: 1554         (1988, Part 1) & IS: 7098       50.00         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         4 X 25 sq. mm.       2.00         Earthing with copper carth       1.00         plate 600 mm X 600 mm X       3 mm thick including         accessories, and providing       2.00         masonry enclosure with       2.00         Supplying and laying 6       20.00         Supplying and laying 6       <	RLS PVC       sublated/XLPE, PVC         heathed/XLPE, PVC       heathed/XLPE, PVC         heathed/XLPE, PVC       heathed, steel armoured, huminium conductor power able of 1.1 KV grade       lirect in ground at a depth tot less than 40 cm and upto 90 cm including excavtion, sand cushioning, protective covering and refilling the trench etc as per specification, IS: 1554 (1988, Part 1).       seper specification, IS: 1554 (1988, Part 1).         4 x 25 sq. mm.       50.00       Metre         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.       2.00       Each         Earthing with copper cardh 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 1S Code 3043: 1987(R 2016)       20.00       Metre         Supplying and halving 6       20.00       Metre         Supplying and laying 6       20.00       Metre	RLS PVC       sulated/XLPE, PVC         heathed, steel armoured, luminium conductor power       able of 1.1 KV grade         lirect in ground at a depth       solar and         tot less flan 40 cm and       upto 90 cm including         execavion, sand cushioning,       protective covering and         refilling the trench ete as       per specification, 1S: 1554         (1988, Part 1) & 15: 7098       50.00       Metre         (1988, Part 1)       4 x 25 sq. nm.       50.00       Metre         Supplying and making end       termination with brass       compression gland and       aluminum togs for         following size armoured       aluminum conductor power       aluminum conductor power       aluminum conductor power         abuninum conductor power       aluminum logs for       following size armoured       aluminum conductor power         abuninum conductor power       aluminum logs for       following size armoured       following size armoured         aturninum togs for       following size armoured       1.00       Set       6209.00         part specification       2.00       Each       104.00       Set       6209.00         Barthing with copper earth       not kick including       accessories, and providing       accessories, and providing       accessories, and providing       accessori

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	EM DESCRIPTION ype compartmentalized	N	L	В	H/D	QTY	UNIT	RATE	AMOUNT
									Allount
	yall/ floor mounted power	τ.							
C	um control panel board of								
S	pecified size and following								
C	lepth made out of not less								
t	han 2 mm thick CRCA MS								
1	powder coated sheet with								
5	suitable size compartments								
1	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	- Free a contractor					1.00	sqm	6818.00	6818.00
2 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,					4.00	Each	3734.00	14936.00
	Adjustable Thermal -						Luon	0104.00	14000.00
	Magnetic Release, 25KA								
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						4.00	Each	148.00	500.00
14 9.16	Supplying and fixing TP&N					4.00	Each	148.00	592.00
	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						2.00	F	1010.00	0000.05
15 6.28	the life and the second s					2.00	Each	1316.00	2632.00

and and a second s			В	H/D	QTY	UNIT	RATE	AMOUNT
testing and commissioning								
			1					
heat sink made of die cast								
aluminium with IP 66								
protection and 15 KV surge								
-								
-								
-								
					0.00	Fach	15946.00	126768.0
					0.00	Eduli	10040.00	120100.0
-								
-								
_								
-								
								18694.0
					1.00	Each	94.00	94.0
-								
_								
<b>u</b>								
-								
commissioning etc. as per								
specification.								
	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. 250 watt 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. 150 watt Providing and fixing penal mounting 230 volt LED type indicating lamp in existing cubical panel including, connections, testing and commissioning etc. as per specification. Providing and fixing penal mounting following rating analog type ammeter of size 100x100 (NS) in existing cubical panel including, connections, testing and	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. 250 watt 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. 150 watt Providing and fixing penal mounting 230 volt LED type indicating lamp in existing cubical panel including, connections, testing and commissioning etc. as per specification. Providing and fixing penal mounting following rating analog type ammeter of size 100x100 (NS) in existing cubical panel including, connections, testing and	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. 250 watt 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, Separate housing for driver etc complete as per specification and P.A. should be greater than 0.9. LED chip efficacy ratio = 120 lumens /watt. 150 watt Providing and fixing penal mounting 230 volt LED type indicating lamp in existing cubical panel including, connections, testing and commissioning etc. as per specification. Providing and fixing penal mounting following rating analog type ammeter of size 100x100 (NS) in existing cubical panel including, connections, testing and	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 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. 250 watt 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, Separate housing for driver etc complete as per specification and P.A. should be greater than 0.9. LED chip efficacy ratio = 120 lumens /watt. 150 watt Providing and fixing penal mounting 230 volt LED type indicating lamp in existing cubical panel including, connections, testing and commissioning etc. as per specification. Providing and fixing penal mounting following rating analog type ammeter of size 100x100 (NS) in existing cubical panel including, connections, testing and souting penalmounting following rating analog type ammeter of size 100x100 (NS) in existing cubical panel including, connections, testing and for drive retice of the size 100x100 (NS) in existing cubical panel including, connections, testing and for drive retice of the size 100x100 (NS) in existing cubical panel including, connections, testing and for drive retice of the size 100x100 (NS) in existing cubical panel including, connections, testing and for drive retice of the size 100x100 (NS) in existing cubical panel including, connections, testing and for drive retice of size 100x100 (NS) in existing cubical panel including, connections, testing and for drive retice of size 100x100 (NS) in existing cubical panel including, connections, testing and for drive panel including, connections, testing and for drive panel including, connections, testing and for drive	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 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 /vatt. 250 watt 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 on pole bracket, including connection, earthing, Separate housing for driver etc complete as per specification and P.A. should be greater than 0.9. LED Chip efficacy ratio = 120 lumens /vatt. 150 watt Providing and fixing penal mounting 230 volt LED type indicating lamp in existing cubical panel including, connections, testing and commissioning etc. as per specification. Providing and fixing penal mounting following rating analog type ammeter of size 100x100 (NS) in existing cubical panel including, connections, testing and	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 et complete as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio = 120 lumens/watt. 250 watt 8.00 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 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 2.200 Providing and fixing penal mounting 230 volt LED type indicating lamp in existing and commissioning etc. as per specification. Providing and fixing penal mounting following rating analog type ammeter of size 100x100 (NS) in existing cubical panel including, connections, testing and	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, carthing, Separate housing for driver etc complete as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio = 120 lumens /vatt. 250 watt 8.00 Each 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 vith IP 66 protection and 15 KV surge protection and 16 ku surge for driver etc complete as per specification and P.A. should be greater than 0.9. LED chip efficacy ratio = 120 lumens /watt. 150 watt 2.00 Each Providing and fixing penal mounting 230 volt LED type indicating lamp in existing cubical panel including, connections, testing and commissioning etc. as per specification. Providing and fixing penal mounting following rating analog type ammeter of size 100x100 (NS) in existing cubical panel including, connections, testing and	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 on J 15 KV surge protection and 15 KV surge protection and P.F. should be greater than 0.9. LED chip efficacy ratio = 120 lumens /watt. 250 watt

	ITEM DESCRIPTION	N	L	В		0714			
0.7	Providing and fixing penal		-	D	H/D	QTY	UNIT	RATE	AMOUNT
A STATE OF	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	704.00
20 10.21	Providing and fixing penal					2.00	Lacii	397.00	794.00
	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. Say Rs. 282387.00

Sub Engineer Nagar Palik Nigam, Korba

Astt. Engineer Nagar Palik Nigam, Korba

" <u>B(</u>	DREW	ELL WITH	PUM	<u>P"</u>				
PARTICULAR	NO.	L	В	H/D	QTY.	UNIT	RATE ( in Rs.)	AMOUNT (in Rs.)
Carrying out the resistivity survey by	_							
VES method using Schlumberger								
configuration for iocating the proper								
spot for drilling of tube well within								
the selected habitation, including								
photography, interpreatation of								
resistivity data and submission of								
report in the desired format along								
with resistivity readings, necessary		· · · ·						
graph and photographs. (only successful							1	
points payable)								
(BUILDING SOR ITEM NO. 21.17/201)	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							1	
direction of Engineer–in-charge upto 90								
metre depth below ground level.								
(a) All Types of soil								
200 mm dia	1							
(BUILDING SOR ITEM NO. 21.1.1.4/198)		1 20.00						
(b) Pocky strata including Pouldars	1	30.00			30.00	RMT	371.00	11130.0
(b) Rocky strata including Boulders 200 mm dia							+	
(BUILDING SOR ITEM NO. 21.1.2.4/198)								
	1	50.00			50.00	RMT	457.00	22850.0

	A CONTRACTOR OF				r				
	plying, assembling, lowering and fixing							<sup>6</sup>	
48.	portical position in bore well, ERW								
	Telect. c , Resistance Welded) FE 410								
1	mild steel screwed and socketed/ plain								
	ended casing pipes of required dia,								
	conforming to IS: 4270, of reputed &						}		
1.000									
	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								
	(BUILDING SOR ITEM NO. 21.7/199)							4 477 00	31017.00
		1	30.00			30.00	RMT	1477.00	51017.00
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								
	(BUILDING SOR ITEM NO. 21.11/200)						5 A CI I	240.00	240.00
		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								
	(BUILDING SOR ITEM NO. 21.12/200)					1	EACH	1199.00	1199.00
		1				1	EACH	1155.00	
6	Supplying & Installation of Energy								
	efficiant 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 Panol Startor cuitable for (I) 3 HP with 6 stages, head MT. 55-7								
	discharge 60-								
	510								
-	3 Hp Pump								26472.00
-	(PHE SOR ITEM NO34.20.106/353/2020)	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								

M									
1	BUILDING SOR ITEM NO. 21.13/201)								
TA	BUIEDING SOR THEIM NO. 21.13/201)								
A	Dec.	1				1	EACH	200.00	200.00
	Supply, installation, testing and	1				1	each	4030.00	4030.00
	commissioning of 1-3 HP 1 phase							1050.00	4030.00
	submersible motor starts								
	submersible motor starter cum control								<
	wall/ floor mounted type made out of not								
ľ	ess than 1.6 mm thick MS sheet and								
	comprising of following panel mounting								
	switchgears there in including connection								
	nter-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								
	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								
9	1.1 KV grade as per specification.								
	3x4.0 sqmm	1	80			80	m	264.00	21120.00
	Fabrication, supply, installation, testing							204.00	21120.00
	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							5	
	powder coated sheet with suitable size								
	compartments for bus bars, switchgears								
	and necessary cutouts for voltmeters,								
	ammeters etc as per specifications		1						
	including powder coating painting but								
	without busbars, switchgears and other								
	accessories etc complete as per								
10	specification.								
	Above 300 mm and upto 450 mm deep	1	0.6	0.45		0.270			
			1			0.270	sqm	7525.00	2021 75
	Providing and fixing following rating and					0.270	<u>əqin</u>	7525.00	2031.75
	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								
11	= 100 % Icu.				[				

pole MCCB, 25-63A, Fixed Thermal			10	each	1483.00	14830.00
	<u>-</u>					
	at y	(	or One	e Nos) 1	Total Rs=.	146322.75
	1.1				Say rs.=	146000.00

0

Sub Engineer Municipal Corporation Korba (C.G.)

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

Å										
f.	and street	CO	NSTRI	ICTIO		1100 000				
in the second	15.O.R.				VOF GI	JARD ROO	M			
s.	ITEM			1.						
NO.	NO.	Item	Nos	L.	В,	H/D				
1000		Surface dressing of the ground	linghu				Quantity	Unit	Rates	Amount
		vegetation and making up und		ing ren	noving	1				
		equalities not exceeding 15 cm	ulation	s and ii	7-					
1	1.2	including disposal of publich	ns in de	epth/he	eight					
		including disposal of rubbish u	pto 1.5	m lift a	ind lead	1				
		upto 50m (at least 5m away fro	om the	dresse	d area).					
		Plot area	1	4	4		16			
				1		Total	16	sqm.	7.2	115.00
		Excavation for all types and size	zes of f	oundati	ions	10101		Sym.	1.2	110.00
		trenches and drains or for any	other r		, ions,		1			
		including disposal of excavated	d stuff i	into 1 4	5 m lift					
2	1.1.1	and lead upto 50m (at least 5m	n away	from th	ie Ne					
		excavated area), including dre	ssing a	nd leve						
		pits.In all Type of Soil.	oonig a		ang or					
		For Main Column A								
		F1	4	1.5	1.5	1.5	13.5			
						Total	13.5	cum.	185	2498.00
									100	2,00.00
		Extra for every additional lift of	15-	1	41		┦───┤			
3	1.6	of All types of soil	n.ə m	or part	there					
		For Main Column A								
		F1	4	1.5	1.5	0.3	2.7			
			_			Total	2.7	cum.	26.5	72.00
		Providing and filling in plinth wi								
		dust and hard moorum under f			iot					
4	1.18	exceeding 20cm in depth considered laws by the second laws and law		•						
		deposited layer by ramming an	d water	ring, inc	luaing					
		dressing etc. complete.								
	1	For Main Column A								
	1	F1	4	1.50	1.50	0.1	0.9			
	1	Building	1	3.00	3.00	0.6	5.4			
					Total Q	ty.	6.3	cum.	371	2337.30
							<u>├</u> ──			
		Providing and laying nominal n								
c	242	with crushed stone aggregate u								
5	3.1.3	in all works upto plinth level exc								
		work. 1:3:6 (1 cement :3 coarse		6 grad	ed					
		stone aggregate 40 mmnomina	l size.							
		For Main Column A	1							
		For Main Column A								
		F1	4	1.4	1.4	0.10	0.784			
			4	1.4 3.0	1.4 3.0	0.10	0.784 3.6			

	Later	•								
	15		T	T	T	1	T		7	
F		Providing and laying nominal m	ix rein	forced	Cement					
1	Ser.	concrete with crushed stone ar	Inroas	to uning						
		concrete mixer in all works upt	o nlintk		9					
6	3.2.1	excluding cost of form work.	1.11/.	3 (1						
		1½ coarse sand : 3 graded sto	1.1/2	S (I cen	nent :	{				
		20mm nominal size).	one ag	gregate	2					
		Footing F1/C1	4	1.30	1.30	0.35	2.366			
		for column up to plinth Ivl.								
		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		1						
		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
		Extra for laying PCC/RCC of ar	v grad	le in						
-		superstructure above plinth leve			oror					
7	3.4	part thereof in addition to rate for								
		plinth:								
		same quanty					3.201	CUM	97.5	312.10
		Providing and placing in position			nt for					
		R.C.C. work including straighter					6			
8	3.12.1	bending, binding etc. complete					3.201			
		including cost of binding wire in								
		plinth all complete: hermo-Mec	nanica	illy i rea	ted					
		(TMT) Bars	1				220.4	KO	EAE	17445.00
		100 Kg / cum. of R.c.c. work					320.1	KG.	54.5	17445.00
					ring					
		Providing and fixing formwork in								
9	2.1	shuttering, strutting, staging, pro complete and including its remo								
		icomplete and including its temp	พลเสบ	an ievel	S. I					

	2111	Foundations, footings, base of when, Curtain Wall in any shape	e and s	size and	all					
	1	ype of wall below plinth level								
1		For Main Column A	4	5.20	-	0.35	7.28			
	1	or column up to plinth Ivl.	1			0.00	1.20			
	1	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	4098.0
+										
0	2,1.5	columns,Pillars, piers and likes	-rectar		r					
_	2.1.0	square in shape in size.								
-+		for column up to slab Ivl.+Prap								
		For Main Column A	4	0.80		3	9.6			
						Total	9.6	sqm.	297	2851.0
11	2.1.13	Weather shade chhajja ,cornic	es and	Imound	linas.					
		chhajja	1 -	-	-	-	- 1			
		W1	1	3.00	0.70	-	2.1			
		v1	1	0.90	0.70	-	0.63			
		SIDE	4	3.90	0.10	-	1.56			1001.0
						Total	4.29	sqm.	294	1261.0
12	2.1.8	Beams ,Lintels, Cantilevers & v	walls							
		lintel beam								
			1	3.00	-	0.60	1.8			
		Slab Beam								
		size:200*400	4	3.00	-	1.00	12			
		520,200 100				Total	13.8	Sqm.	202	2788.0
13	2.1.7	Suspended floors, roofs, acce balconies (plain surfaces) and			in situ)					
	1	Building Area	1	3.00		-	9			
		20.00.1.9				Total	9	sqm.	235	2115.0
	1				1					
		Brick work with modular FLY A	SH lin	ne brick	s (Falg					
		Brick work with modular FLY A brick) confirming to ISI 12894;			s (Falg					
14	7.5.4	brick) confirming to ISI 12894:	2002 c and plir	of class oth in:Ce						
14	7.5.4	brick) confirming to ISI 12894: designation 40 in foundation a	2002 c and plir	of class oth in:Ce		0.45	0.27			

0.2122	AL	1							T T	
1	A STOCKED	Prick work with modular FLY	ASH lim	e brick	s (flag				1	
1		brick) confirming to ISI 1289	1.2002	folges	is (liay					
1	ψ.	designation 40 in foundation	7.2002 0	class						
15	7.5.4	Mortar 1:6 (1 Comparts 0.0	and plint	in in:Ce	ment					
		Mortar 1:6 (1 Cement : 6 Coa	arse San	d)+ Ext	ra for				1 1	
1.		blick work in superstructure	above nli	inth leve	alfor					
		levery floor or part therof in a	dditional	to rate	for					
		foundation and plinth:								
	į.	UP TO SLAB BEAM	4	3.00	0.20	2.60	6.24			
		PERPIT WALL	4	3.00	0.20	0.30	0.72			
				3.00	0.20	Total	6.96			
		Deduction				TULA	0.90			
		D1								
			1	1.00	0.20	2.40	0.48			
		W1	1	1.50	0.20	1.50	0.45			
		∨1	1	0.90	0.20	0.60	0.108			
						(-)	1.038			
						Total	5.922	cum.	3263	19323.00
		Brick work with modular FLY			s (Falg					
	7.5.4	brick) confirming to ISI 1289	4:2002 o	f class						
		designation 40 in foundation								
		Cement Mortar 1:6 (1 Ceme			nd)					
		brick work		T			5.922			
<u> </u>							5.922	CUM	121	716.56
		Providing and laying damp p	roof cour	se (upto	,					
16	3.13	50mm thick) with plain ceme	nt concre	ete 1:2:4	F(1					
16	3.13	50mm thick) with plain ceme cement : 2 coarse sand : 4 g	nt concre raded cru	ete 1:2:4 ushed s	l (1 tone					
16	3.13	50mm thick) with plain ceme cement : 2 coarse sand : 4 g	nt concre raded cru	ete 1:2:4 ushed s	l (1 tone					
16	3.13	50mm thick) with plain ceme cement : 2 coarse sand : 4 g aggregate 20mm nominal siz	nt concre raded cru	ete 1:2:4 ushed s	l (1 tone	0.075	0.18			
16	3.13	50mm thick) with plain ceme cement : 2 coarse sand : 4 g	nt concre raded cru e) includ	ete 1:2:4 ushed s ling forn	l (1 tone nwork.	0.075 Total	0.18	cum.	4237	763.00
16	3.13	50mm thick) with plain ceme cement : 2 coarse sand : 4 g aggregate 20mm nominal siz	nt concre raded cru e) includ	ete 1:2:4 ushed s ling forn	l (1 tone nwork.			cum.	4237	763.00
16		50mm thick) with plain ceme cement : 2 coarse sand : 4 g aggregate 20mm nominal siz Outer	nt concre raded cru e) includ	ete 1:2:4 ushed s ling forn 3.00	k (1 tone nwork. 0.20			cum.	4237	763.00
		50mm thick) with plain ceme cement : 2 coarse sand : 4 g aggregate 20mm nominal siz Outer	nt concre raded cru e) includ 4 hick cem	ete 1:2:4 ushed s ling form 3.00 ent plas	(1 tone nwork. 0.20 ster of			cum.	4237	763.00
16		50mm thick) with plain ceme cement : 2 coarse sand : 4 g aggregate 20mm nominal siz Outer	nt concre raded cru e) includ 4 hick cem	ete 1:2:4 ushed s ling form 3.00 ent plas	(1 tone nwork. 0.20 ster of			cum.	4237	763.00
		50mm thick) with plain ceme cement : 2 coarse sand : 4 g aggregate 20mm nominal siz Outer Providing and making 6mm t mix : In Cement mortar 1:4 (1	nt concre raded cru e) includ 4 hick cem	ete 1:2:4 ushed s ling form 3.00 ent plas : 4 fine	(1 tone nwork. 0.20 ster of			cum.	4237	763.00
		50mm thick) with plain ceme cement : 2 coarse sand : 4 g aggregate 20mm nominal siz Outer Providing and making 6mm t mix : In Cement mortar 1:4 (* Building CELLING	nt concre raded cru e) includ 4 hick cem 1 cement	ete 1:2:4 ushed s ling form 3.00 ent plas	tone nwork. 0.20 ster of sand)	Total	0.18	cum.	4237	763.00
		50mm thick) with plain ceme cement : 2 coarse sand : 4 g aggregate 20mm nominal siz Outer Providing and making 6mm t mix : In Cement mortar 1:4 (* Building CELLING chhajja	nt concre raded cru e) includ 4 hick cem cement 1	ete 1:2:4 ushed s ling form 3.00 ent plas : 4 fine 2.60	tone nwork. 0.20 ster of sand) 2.60	Total	6.76	cum.	4237	763.00
		50mm thick) with plain ceme cement : 2 coarse sand : 4 g aggregate 20mm nominal siz Outer Providing and making 6mm t mix : In Cement mortar 1:4 ( Building CELLING chhajja W	nt concre raded cru e) includ 4 hick cem cement 1 1	ette 1:2:4 ushed s ing form 3.00 ent plas : 4 fine 2.60 3.00	(1 tone nwork. 0.20 ster of sand) 2.60 0.70	Total - - -	0.18 6.76 2.1	cum.	4237	763.00
		50mm thick) with plain ceme cement : 2 coarse sand : 4 g aggregate 20mm nominal siz Outer Providing and making 6mm t mix : In Cement mortar 1:4 ( Building CELLING chhajja W v1	nt concre raded cru e) includ 4 hick cem cement 1 1 1	ette 1:2:4 ushed s ing form 3.00 ent plas : 4 fine 2.60 3.00 0.90	(1 tone nwork. 0.20 ster of sand) 2.60 0.70 0.70	Total - - -	0.18 6.76 2.1 0.63	cum.	4237	763.00
		50mm thick) with plain ceme cement : 2 coarse sand : 4 g aggregate 20mm nominal siz Outer Providing and making 6mm t mix : In Cement mortar 1:4 ( Building CELLING chhajja W	nt concre raded cru e) includ 4 hick cem cement 1 1	ette 1:2:4 ushed s ing form 3.00 ent plas : 4 fine 2.60 3.00	(1 tone nwork. 0.20 ster of sand) 2.60 0.70	Total - - - -	0.18 6.76 2.1 0.63 0.24			
		50mm thick) with plain ceme cement : 2 coarse sand : 4 g aggregate 20mm nominal siz Outer Providing and making 6mm t mix : In Cement mortar 1:4 ( Building CELLING chhajja W v1	nt concre raded cru e) includ 4 hick cem cement 1 1 1	ette 1:2:4 ushed s ing form 3.00 ent plas : 4 fine 2.60 3.00 0.90	(1 tone nwork. 0.20 ster of sand) 2.60 0.70 0.70	Total - - -	0.18 6.76 2.1 0.63	cum.	4237	763.00
		50mm thick) with plain ceme cement : 2 coarse sand : 4 g aggregate 20mm nominal siz Outer Providing and making 6mm t mix : In Cement mortar 1:4 ( Building CELLING chhajja W v1	nt concre raded cru e) includ 4 hick cem cement 1 1 1	ette 1:2:4 ushed s ing form 3.00 ent plas : 4 fine 2.60 3.00 0.90	(1 tone nwork. 0.20 ster of sand) 2.60 0.70 0.70	Total - - - -	0.18 6.76 2.1 0.63 0.24			
		50mm thick) with plain ceme cement : 2 coarse sand : 4 g aggregate 20mm nominal siz Outer Providing and making 6mm t mix : In Cement mortar 1:4 ( Building CELLING chhajja W v1	nt concre raded cru e) includ 4 hick cem cement 1 1 1	ette 1:2:4 ushed s ing form 3.00 ent plas : 4 fine 2.60 3.00 0.90	(1 tone nwork. 0.20 ster of sand) 2.60 0.70 0.70	Total - - - -	0.18 6.76 2.1 0.63 0.24			
17	11.1.2	50mm thick) with plain ceme cement : 2 coarse sand : 4 g aggregate 20mm nominal siz Outer Providing and making 6mm t mix : In Cement mortar 1:4 (* Building CELLING chhajja W v1 SIDE	nt concre raded cru e) includ 4 hick cem 1 cement 1 1 1 4	ett 1:2:4 ushed s ing form 3.00 ent plas : 4 fine 2.60 0.90 0.60	(1 tone nwork. 0.20 ster of sand) 2.60 0.70 0.70 0.10	Total - - - -	0.18 6.76 2.1 0.63 0.24			
	11.1.2	50mm thick) with plain ceme cement : 2 coarse sand : 4 g aggregate 20mm nominal siz Outer Providing and making 6mm t mix : In Cement mortar 1:4 (* Building CELLING chhajja W v1 SIDE Providing and making 12mm	nt concre raded cru e) includ 4 hick cem cement 1 1 1 4 thick cer	ett 1:2:4 ushed s ing forn 3.00 ent plas : 4 fine 2.60 0.90 0.60 0.90	(1 tone nwork. 0.20 ster of sand) 2.60 0.70 0.70 0.70 0.10	Total - - - -	0.18 6.76 2.1 0.63 0.24			
17	11.1.2	50mm thick) with plain ceme cement : 2 coarse sand : 4 g aggregate 20mm nominal siz Outer Providing and making 6mm t mix : In Cement mortar 1:4 (* Building CELLING chhajja W v1 SIDE Providing and making 12mm mix: in cement mortar 1:5(1 c	nt concre raded cru e) includ 4 hick cem cement 1 1 1 4 thick cer ement :	ete 1:2:4 ushed s ing form 3.00 ent plas : 4 fine 2.60 0.90 0.60 0.60 nent pla 5 fine s	4 (1 tone nwork. 0.20 ster of sand) 2.60 0.70 0.70 0.70 0.10	Total - - - Total	0.18 6.76 2.1 0.63 0.24 9.73			
17	11.1.2	50mm thick) with plain ceme cement : 2 coarse sand : 4 g aggregate 20mm nominal siz Outer Providing and making 6mm t mix : In Cement mortar 1:4 (* Building CELLING chhajja W v1 SIDE Providing and making 12mm	nt concre raded cru e) includ 4 hick cem cement 1 1 1 4 thick cer	ett 1:2:4 ushed s ing forn 3.00 ent plas : 4 fine 2.60 0.90 0.60 0.90	4 (1 tone nwork. 0.20 ster of sand) 2.60 0.70 0.70 0.70 0.10	Total - - - -	0.18 6.76 2.1 0.63 0.24 9.73 29.952	sqm		
17	11.1.2	50mm thick) with plain ceme cement : 2 coarse sand : 4 g aggregate 20mm nominal siz Outer Providing and making 6mm t mix : In Cement mortar 1:4 (1 Building CELLING chhajja W v1 SIDE Providing and making 12mm mix: in cement mortar 1:5(1 c INER WALL	nt concre raded cru e) includ 4 hick cem cement 1 1 1 4 thick cer ement :	ete 1:2:4 ushed s ing form 3.00 ent plas : 4 fine 2.60 0.90 0.60 0.60 nent pla 5 fine s	4 (1 tone nwork. 0.20 ster of sand) 2.60 0.70 0.70 0.70 0.10	Total - - - Total	0.18 6.76 2.1 0.63 0.24 9.73			
17	11.1.2	50mm thick) with plain ceme cement : 2 coarse sand : 4 g aggregate 20mm nominal siz Outer Providing and making 6mm t mix : In Cement mortar 1:4 (* Building CELLING chhajja W v1 SIDE Providing and making 12mm mix: in cement mortar 1:5(1 c	nt concre raded cru e) includ 4 hick cem cement 1 1 1 1 4 thick cer thick cer	ete 1:2:4 ushed s ing form 3.00 ent plas : 4 fine 2.60 0.90 0.60 0.90 0.60 0.60	4 (1 tone nwork. 0.20 ster of sand) 2.60 0.70 0.70 0.70 0.10	Total	0.18 6.76 2.1 0.63 0.24 9.73 29.952 29.952	sqm		
17	11.1.2	50mm thick) with plain ceme cement : 2 coarse sand : 4 g aggregate 20mm nominal siz Outer Providing and making 6mm t mix : In Cement mortar 1:4 (1 Building CELLING chhajja W v1 SIDE Providing and making 12mm mix: in cement mortar 1:5(1 c INER WALL	nt concre raded cru e) includ 4 hick cem cement 1 1 1 4 thick cer ement :	ete 1:2:4 ushed s ing form 3.00 ent plas : 4 fine 2.60 0.90 0.60 0.60 nent pla 5 fine s	4 (1 tone nwork. 0.20 ster of sand) 2.60 0.70 0.70 0.70 0.10	Total - - - Total	0.18 6.76 2.1 0.63 0.24 9.73 29.952	sqm		

	1.1.1	20								
and the second	hanne	1	1	0.90	- 1	0.60	0.54			
	4	10-1017w_				(-)	5.19	sam		
	S. and	and the second sec				Total	24.762	sqm.	96.5	2390.00
1	1287					Total	24.102	sqm.	90.5	2390.00
1	2	Providing and making 15m	m thick on	nont nla	-					
19	11.3.4	on the rough side of single	or balf bais	nent pla	ster					
10/2		In Coment Morter 1.5 (1	or nair bric	k wall o	r mix					
		In Cement Mortar 1:5 (1 Outer Wall Front			ind)					
		Window grooving	4	3.00	-	3.70	44.4			
		trindew grooving	1	1.50	-	0.20	0.3			
		Deduction(-)					44.7			
		D1							-	
		W1	1	1.00	-	2.40	2.4			
-+		V	1	1.50	-	1.50	2.25			
-+		•	1	0.90		0.60	0.54			
							5.19			1105.0
						Total	39.51	sqm.	113	4465.0
				1			_			
		exterior grade putty (Birla W/R of (NCL), J.K. wall p surface smooth and even Same as item total plaste	utty) on wal	s to ma	ke the		74.002	sqm	94.5	6993.0
			·	T			14.002	<u>Sqn</u>		0000.0
21	14.11.1	new work( two or more co	to give an e pats)				1 24 492		50.5	4944.00
		Same as item Celling & i	nner	1	·		34.492	sqm.	52.5	1811.0
22	14.15.1	Painting exterior surface exterior paints of required manufacture specificatior decorative finish including surface etc. complete wit	l shades as n to give pro g cleaning w	per tective a	and		1			
		on new work (two or more ltr/10 sqm over and inclue exterior primer applied @	ding priming	coat of						
		Same as item outer plast	er				39.51	sqm.	56	2213.0
23	3.15	surface with brushes and lightly soaked in kerosen	of course af I finally with e oil.	ter clear a piece	ning the of cloth					
		Outer	4.0	3.00	0.20	-	2.4	_		
						Total	2.4	sqm.	93.5	224.0

						1				
	T	Column Abiels - Kinds								
		Waking 50mm thick plinth protect								
	100	cement concrete 1:3:6 (1 cemer	nt:3 c	oarse s	sand :					
1	3.16	6 graded crushed stone aggrega	ate 20i	mm noi	minal					
P	3.10	size) over 75mm bed of dry bric	k balla	st 40m	m					
And and		nominal size well rammed and o	onsoli	dated a	and					
10		grouted with sand including finis	hing th	ne top						
Non-		smooth.		le tep						
		Outer	4	3	-	1.5	12			
			4	- J		Total	12	cam	273	3276.00
						TOLAT	12	sqm	210	0210.00
-		Providing wood work in frames	of doo	rs,Wind	low					-
25	8.1.1	s,clerestory windows and other	r frame	es wrou	ght					
		framed and fixed in position.			5					
		Teak Wood	T		[					
		D1	1.00	5.80	0.08	0.15	0.06525			
			1.00	5.00	0.00	Total	0.06525	cum.	114758	7488.00
						TULAI	0.00325	cum.		
		Providing and fixing 40mm thick								
		or paneled and glazed shutter fi	ames	for doo	rs					
26	8.6.1	excluding hinges and paneling.	(Area	of shutt	er to					
		be measured without deducting								
		Teak wood		J						
		D1	1	1.00	2.40		2.4	sqm.	2906	6974.00
		Providing and fixing M.S. grill o								
27	9.15	made of M.S. flats or square or								
		to steel frame of windows etc. ir			ring a		1			1
		priming of red oxide zinc chrom	nate pr	imer.						
		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
						<u>_</u>				
		Providing and fixing bright finish								
28	8.62.2	bolts (barrel type) with brass po	lished	MS scr	ews					
20	0.02.2	complete:								
		200x10 mm								
		D1	1	2.00	-	-	2.00			
						Total	2.00	each	231	462.00
							2.00		201	402.00
		Providing and fixing bright finish	l		I					
		brass door handles with brass		d MS a	CROWE					
29	8.65.1		polisile		5010443					
29	0.05.1									
		125 mm								
		D1	1	4.00	r		4.00			
				4.00		- Tatal	4.00			
						Total	4.00	each	55.5	222.00
			1						I — I	

		All and a second								
	80.2	Providing and fixing Anitque/S. Joor latch with necessary Antiq	S. finis ue/S.s	shed bra S. POlis	ass shed					
1		MS screws complete: 300 x16x5 mm								
1220	20	D1	1	1.00	1 -		1.00			
						Total	1.00	each	280	280.0
""										
31	8.73	Providing and fixing 150mm An brass floor door stoppers with r antique/ S.S. Polished MS scre of shutters thickness.	ubber	cushio	n and					
		D1	1	2.00	- 1	-	2.00			
						Total	2.00	each	77.50	155.0
32	9.37	Providing and fixing M.S. fan cla fan made out of 16 mm dia M.S with hooked ends in R.C.C. slal laying including painting the exp loop.	. bar os, be	bent to ams du	shape ring					
		Building	1	1.00	-	-	1.00			
						Total	1.00	each	97.00	97.0
34	9.47	Providing and fixing aluminium windows, ventilators and partitic extruded aluminium standard se section with minimum 1.5mm th to IS: 733, IS: 1285 mitred and including aluminium cleats, neo stripping gasket beveled edge b fixed in wall/ floor with fixing clip or bolts and nuts as required alu shall be anodized transparent o shade according to IS: 1868, mi coating shall be of grade AC-15 panelling to be paid for separate	ons ma ection lickne ointec prene leadin s or h uminiu r dyed nimur . (Gla:	ade out s (main ss) con d mecha weathe g, screv old fast im secti l to appin n anodi	of forming anically r vs duly eners ons roved c					
	9.47.1	For Fixed Portion								
		W VI	1	6.00	) <del>.</del>	-	6.00			
		V1	- <u>'</u>	3.00	- 2.10 k	<u> </u>	3.00 9.00	meter		
						<u> </u>	18.90	kg	331	6256.00
								×		
35	9.49	Extra for Polyester powder coate micron) aluminium sections inst								
		same as item of alumunium fixe	d and	shutter	•		18.9	kg	34.5	652.0

		E.								
	A	Providing and fixing glazing	, in alumin	ium doo	or,			1	1	Τ
		mdow, ventilator shutters								
	- And -	and partitions etc. with PVC	C/ neopren	e gaske	et etc.					
	1	complete. (Cost of		~						
.46	9.53	aluminium snap beading sh	nall be paid	l in bas	ic					
1	100 C	item):								
	2									
-		W	1	1.50		1.50	2.25			
		V1	1	0.90		0.60	0.54			1075.00
_						Total	2.79	sqm.	708	1975.00
										l
		Providing and laying vitrifie								
		charge/ multi charge printir	ig with wat	er abso	rption					
1		less than 0.5% and conform	ning to IS :	15622	of					
39	12.13.1	approved make in all colou	irs and sha	des and	size					
55	12.10.1	mentioned below (+/- 10mr	n), laid on	20mm 1	nick					
		cement mortar 1:4 (1 ceme	ent: 4 coar	se sanc	) tond					
		including grouting the joints			Lanu					
		matching pigments etc. col	mpiete: (Si	Ze						
		600x600mm)	1	3.00	3.00		9.00			
		ROOM		5.00	0.00	Total	9.00	sqm.	1151	10359.00
		Painting on new work ( two	or more c	pats) to	aive					
40	11 22 2	an even shade with premiu	m syntheti	c ename	el l					
40	14.22.2	panits.								
		grill								
		W	1	1.50		1.50	2.25			
		V	1	0.90		0.60	0.54		47	131.00
						Total	2.79	sqm.	41	131.00
-									Total	159054.72
Laure Con		Ad	ding 9% E	lectrific	ation F	Rs.				14314.93
				Total I						173369.65

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Sub Engineer Municipal Corporation Korba (C.G.)

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

poration G.)

# OF THE MUNCIPAL CORPORATION, KORBA(C.G

# Sub - Supply and Fixing Playing Equipments

S.N	D. ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	Multiaction Play System Specifications:- 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	Fiber Kids Wave Slide Specifications:- Slide - Fibre Stairs -35 mm Height -3ft	No.	1.00		
3	Four Swing Specifications:- Slide Pipe - 35 mm Upper pipe 50mm Seat - wooden rubber sheet metallic chain -3 mm	No.	1.00		
4	Family Chair Swing Specifications:- Slide Pipe50 mm Upper pipe 50mm	No.	1.00		
5	Multi Seesaw Specifications:- Age 5 to 15 years Main Frame - 35 mm Support - 35 mm Capacity - 4 Children.	No.	2.00		
6	Age UP Go Round Specifications:- Central Pipe - 50mm Railing - 25 mm Gauge of Sheet- 16 Diameter- 170 cm	No.	1.00		

/	Victorian Bench Fications:- 4. 1.6mtx0.6mt t - 720 mm Approx Main Frame - casr Iron Seat Rectangular Pipe Length - 5 Ft	No.	2.00
8	A Type Climber Specifications:- Structure of pipe - 35mm Pipe of Ladder -25 mm Length 20 ft.	No.	2.00
9	SSI Air Walker/ Stroller single Specifications:- 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.)