# कार्यालय, नगर पालिक निगम, कोरबा (छत्तीसगढ़)

फा 15 197 / निर्माण / 2023

## सिरटग टेंडर नं. 151663

कोरबा दिनांक 15.01.2024

### ई-निविदा आमंत्रण सूचना

कार्यालय नगर पालिक निगम, कोरवा द्वारा लोक निर्माण विभाग एकीकृत पंजीयन प्रणाली अंतर्गत सक्षम श्रेणी में पंजीकृत ठेकेदारों से प्रमुख अभिधंता लोक निर्माण विभाग, रायपुर द्वारा भवन कार्य हेतु दिनांक 01.01.2015, विद्युत व मेकेनिकल हेतु 01.06.2020 से प्रभावशील दर अनुसूची पर (निविदा खुलने के दिनाक तक समस्त संशोधनों के साथ शेड्यूल अनुसार प्रतिशत दर पर ई-प्रोक्युरमेंट (E-Tendering) के माध्यम से निविदा प्रपन्न फार्म A में निविदा आगजित की जाती है --

ф.	कार्य का गाम	प्रावकलन	धरोहर राशि	कार्यावधि	निविदा	ठेकदार का	निविदा
		राशि (लाख	(FDR/TDR)		प्रतिभागी शुल्क	वर्ग	खुलने की
		में)			(DD)		तिथि
1	याई क 16 कोहड़िया अतर्गत जल उपचार		40500/-	6 माह	3000.00	वर्ग डी एवं	09.02.2024
	संयंत्र के सामने उद्यान का निर्माण कार्य 3 वर्ष	••• • • • •		41	-	प्रवर श्रेणी	से
	भरम्मत एवं संघारण के साथ						

शते 1

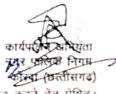
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निविदा दरे प्रचलित सी एस.आर.से. कम या अधिक प्रतिशत दसों पर दिया जावे सी.एस.आर.के अंतर्गत के आयटमों पर पृथक से आयटम दरों का उल्लेख करने पर निविदा निरस्त मानी जावेगी

- 2. जिन ठेकेदारों द्वारा नगर पालिक निगम (साडा) के किसी ठेके के कार्य में अनुबंध के अनुरूप कार्य न किया गया हो अथवा नगर पालिक निगम (साडा) के हित के विरुद्ध कार्य किया गया हो उन्हें निविदा भरने की पात्रता नहीं होगी।
  - इच्छुंक ठेकेदारों को उचित वर्ग में पंलीयन की प्रमाणित प्रतिलिपि यदि साझेदारी फर्म हो तो उसका प्रमाण पत्र (पाटर्नरशीप डीड) की सत्य प्रतिलिपि, उपलब्ध तकनीकी अगले की जानकारी, विगत 3 वर्षों का आयकर चुकता प्रमाण पत्र/पेन नम्बर, जी, एस.टी. पंजीयन प्रमाण पत्र एवं अमानत राशि के FDR/TDR की प्रति ऑनलाईन अपलोड करना अनिवार्य होगा, प्रशिक्षित यंत्री नियुक्त करने संबंधी प्रमाण पत्र, कर्मचारी भविष्य निधि रायपुर से पंजीकरण का कोड, निविदा प्रतिभागी शुल्क का डिमाण्ड झाफ्ट एवं धरोहर राशि FDR/TDR, शपथपत्र का रकेन कापी ऑन लाईन सिस्टम पर अपलोड करना अनिवार्य होगा '।
    - अमानत राशि का वैध FDR/TDR, निविदा प्रतिभागी शुल्क का DD एवं शपथ पत्र की मूल प्रति लिफाफा में कार्य का नाम एवं अन्य विवरण अंकित कर केवल स्पीड पोस्ट/रजिस्टर्ड डाक के माध्यम से निविदा खुलने की तिथि में दोपहर 3.00 बजे तक आयुक्त,नगर पालिक निगम,कोरबा साकेत भवन, आई.टी.आई.चौक रामपुर कोसाबाड़ी पिन– 495677 कोरबा को उपलब्ध कराना अनिवार्य होगा।
    - निविदाकार को प्रत्येक निविदा में पंजीयन क्षमता के अंतर्गत वर्तमान में नगर निगम या अन्य विभागों में उनके द्वारा किये जा रहे कार्यों का विवरण राशि सहित मूलप्रति में वैध शपथपत्र (राशि- रू. 100/— नॉनज्यूडिशियल स्टाम्प) निविदा आगत्रण दिनोक के पश्चात का, निविदा क्रमांक एवं कार्य का नाम अंकित करना अनिवार्य होगा।
    - अमानत राशि का FDR/TDR एवं निविदा प्रतिभागी शुल्क का DD जो कि आयुक्त, नगर पालिक निगम,कोरबा के नाम पर देय हो प्रस्तुत करना अनिवार्य होगा।
  - सम्पूर्ण किये गये कार्यों के लिए प्रत्येक चल देयकों में से 5 प्रतिशत सुरक्षा राशि 01 वर्ष के लिए एवं मरम्मत एवं संघारण मद को छोड़कर 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 कर्मचारी भविष्य निधि संगठन एवं कर्मचारी राज्य बीमा निगम, रायपुर से पंजीयन कराकर कोड प्राप्त कर लिया हो वे निविदाकार ही निविदा हेतु पात्र होगे।
- 6 निविदा में भाग लेने वाले ठेकेदारों को छंग. भवन और अन्य सन्निर्माण कर्मकार (नियोजन एवं सेवा शर्तों का विनियमन ) अधिनियम 1996 एवं तद्अंतगैत निधीरित नियमों के तहत् पंजीयन कराना आवश्यक होगा तथा निर्माण लागत का 1 प्रतिशत उपकर के रूप में प्रत्येक देयक से कटौती की जावेगी।
- 7 ईट से संबंधित निर्माण कार्यों में पलाई एश ब्रिक का उपयोग किया जाना अनिवार्य होगा।
- 8 प्रयुक्त लोहा का बिल एवं टेस्ट रिपोर्ट तथा प्रयुक्त सीमेंट का बिल संलग्न करना अनिवार्य होगा।
- 9 निविदा दरों असामान्य कमी प्रतीत होने पर सफल निविदा दाता से अनुबंध के पूर्व एस.ओ.आर. एव निविदा दर की अंतर की 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। उपरोक्त राशि समयावधि में जमा न करने की दशा में निविदा स्वमेव निरस्त मानी जावेगी।
- 10. निविदा अहरतातरणीय होगा एवं संशर्त निविदाओं पर विचार नहीं किया जावेगा।
- 11 निविदा प्रयत्र फार्म -ए की कडिका 11 अनुसार एरकलेशन देय नहीं होगा।
- 12 निविदा के संबंध में किसी प्रकार की विवाद होने की स्थिति में आयुक्त का निर्णय अंतिम एव सर्वमान्य होगा।
- 13 निविदा रवीकृत करने अध्यवां अरवीकृत करने अध्यता निरस्त करने का अधिकार नगर पालिक निगम के पास सुरक्षित रहेगा।
- 14 उपरोका निविधा सूचना की चिरतृत प्रति नगर पालिक निगम, कोरबा के साकेत भवन स्थित निर्माण शाखा से प्राप्त किये जा सकते है।



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प्रोधागर संचालनालय नगरीय प्रशासन एवं विकास विभाग, रायुपर को uad.cg.gov.in में अपलोड करने हेत् प्रेषित।

## Date-Time Detail(s)

No.	Nagar Nigam Stage	Contractor Stage	Star	t	Expir	гу	Remarks
		Date	Time	Date	Time	_	
	Release Tender		15.01.2024	18.30	15.01.2024	18.30	Release Tender
		Bid Submission	15.01.2024	18.30	08.02.2024	17.30	
		Physical Document			00.02.2024	17.50	
		Submmission	15.01.2024	18.30	09.02.2024	15.00	
	Tender Open		09.02.2024	16.00			

EXECUTIVE ENGINEER //KORBATOG) For, Commissioner Korba (C.G.)

Development Department (UADD)

### TENDER/NIT HEADER DETAIL

ORGANIZATION NAME	Urban Administration and	PROCUREMENT CATEGORY	WORKS
TENDER NO.	Development Department (UADD) 151663	TENDER DEALING OFFICER	- Akhileshwar Prasad
NUMBER OF ITEMS ALREADY ATTACHED	1	MATCHING	Shukla(DFLT) NO
CURRENCY NIT TYPE VENDOR CLASS	INR - INDIAN RUPEE RESTRICTED TENDER A. B. C. D	TENDER CATEGORY	PERCENTAGE
PROBABLE AMOUNT OF CONTRACT(PAC) [INR] DIVISION / DISTRICT	5399831.00 MUNICIPAL CORPORATION, KORBA	OFFICE/DIVISION(PWD) NAME SECTION/CIRCLE(PWD)	COMMISSINGR, MUNICIPAL CORPORATION, KORBA TENDER SECTION
NAME DESCRIPTION DETAILED DESCRIPTION IS AUCTION ENABLED? NUMBER OF BID PART(S)	fnö. 197/ const/T.P.Nagar Zone/ Construction of Garden Infront N 2	NAME 2022/KMC	

#### 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	40500.00 INR	
	DATE	TIME DETAIL (C)

	DATE-TIME	DETAIL (S)		
BID SUBMISSION START DATE	Jan 15, 2024 07:30:36:PM	BID DUE DATE	Feb 8,	2024 05:30:45:PM
BID OPEN DATE (SCHEDULED)	Feb 9, 2024 04:00:15:PM	PHYSICAL DOC SUBMISSION END DATE	Feb 9,	2024 03:00:38:PM

#### PRE-BID DISCUSSION DETAILS

PRE-BID DISCUSSION NOT REQUIRED

Se in the second second

#### ALTERNATE BID DECRYPTOR(S)

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

		MANDATORY	ALLOW	GROUP
hit di ka	PARTHERSHIPOLEL HEA STEERPARY LIPTED	YES	NO	OTHER
1997 - 1997 - 1997 1997 -	LIST OFTECHNICALSTAFFDETAIL	YES	NO	OTHER
	OST CERTIFICATEFRONCHHATTISGARH	123	NO	OTHER
and the second se	DECLARATIONFOR NOT ABOVE TOTAL WORK OF REGISTRACTION	YES	280	OTHER
	CAPACITY	YES	NO	OTHER
a transferra and a second and a s	REGISTRATIONCERTIFICATE (ANY OOVTDEPTINCHHATTISGAEN	YES	NO	OTHER

## CE OF THE MUNICIPAL CORPORATION, KORBA(C.G.) DETAILED ESTIMATE

and the second s	Name of work:-LAND SCAPING AND PARKING									
.No.	S.O. R.N	Descrpition of Item	No.	L	в.	D./H.	Qty.	Unit	Rate	Amount
		SOR ITEMS				İ				
1	y and the second se	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	1.1.1	In all types of soils.								
		For Flower bed Wall Along Boundry Wall	1	365.00	0.30	0.30	32.85			
			2.00	0.60	0.90	1.80	194.40			
	1		1	180.00	1.80	0.20	64.80			
			1	50.00	12.00	0.20	120.00		185.00	54029.25
	-						292.05	cum	185.00	54129.23
2	1.18	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
	1		1	50.00	12.00	0.10	60.00			
3	3.1	plinth level excluding cost of form work.					60.00	cum	371.00	22260.00
11 - 12 - 14 - 14 - 14 - 14 - 14 - 14 -	3.1.	1:3:6 (1 cement : 3 coarse sand : 3 6 graded stone aggregate 40mm nominal size).								
		foot path	1	180.00	1.80	0.10	32.40			
			1	50.00	12.00	0.10	60.00	1		
-							92.40	cum	2970.00	274428.00

in the								1		
/		work with modular fly-ash t. te bricks (FaLG Bricks) co firming to IS:12894-2002 of cla. designation 4.0 in foundation and plinth in:								
		Cement Mortar 1:6 (1 cement : 6 coarse sand)								
		foot path	1	180.00	0.10	0.30	5.40 5.40		3263.00	17620.20
5	11.3	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of In Cement Mortar 1:6 (1 cement :								
		6 fine sand)								
		Above NGL foot path	- 1	180.00	0.50		90			
				100.00	0.50		90	Sqm	107.00	9630.00
6	14.1 7.1	Painting exterior surface with TEXTURED exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with: On new work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/ 10 sqm								
		Qty Same as Plastered Area					10	Sam	140	5600.00
							40	Sqm	140	5000.00
		PLANTATION								
7	. 22.2	Providing and planting following herbs in garden including preparation of soil, base plantation, providing and spreading different fertilizers, soil and								
	22.2	Hedges like Alife, Dorenta, Tikoma etc	1400.00				1400.00	Each	14.00	19600.00
	22.2	Furn like Arica, China etc (3 year old)	158.00				158.00	Each	125.00	19750.00
	22.2	Hibiscus (Flower)/ Rose	1000.00				1000.00	Each	26.50	26500.00
1	22.2	2 Carpet grass (well developed)	1.00	30.00	25.00		750.00	SQM	263.00	197250.00
	Roa	d								

1 Sector	1	to and planting of 3"0" to		1					
	12.6	fili, teria/bismarkia novelist plam							
			80.00			80.00	Each	936.00	74880.00
9	12.7	Providing and planting of 4"0" to 5"0" heighted Ficus prestige/Blackiana plants with 1"6" x 1"6" depth pit formation and soil preparation, (Mixing organic manure and plant"s protection insecticide). Up to 4 month maintenance.							71000.00
			110.00			110.00	Each	661.00	72710.00
10	12.9	Providing and planting of dwarf red Ekalyha plants showing mass effect view with 0"9" x 0"9"x1"0" depth pit formation and soil preparation work"s, (Mixing organic manure and plant"s protection insecticide). Up to 4 month maintenance.	(0.00			60.00	Each	73.00	4380.00
			60.00			 60.00	Each	73.00	4380.00
11	12.1	Providing and planting of Golden durenta multi branches plants for showing mass effect in 0"6" x 0"6" distance with soil preparation work"s, (Mixing organic manure	150.00			150.00	Each	182.00	27300.00
			150.00			130.00	Each	182.00	21500.00
	Buil ding								
12	11.1	Maintenance of Lawns or Turfing of Slopes (Maintenance of lawns or Turfing of slopes (rough grassing) for a period of one year including watering etc.)		20.00	25.00	750.00	SQM	131.00	98250.00
			1.00	30.00	25.00	 750.00	SQM	131.00	90200.00
13		Maintenance of Hedge for one year							

-	<u>s</u>									
		OR THREE YEAR	1.00	280,00			280,00	Meter	1,38.00	38640.00
1	Buil ding	- Vi				Berlin Groenfersen			CONTRACTOR CONTRACTOR O	
14	22.2	Supplying and stacking of good earth at site including royalty, loading, unloading and carriage upto 10 km (earth measured in stacks will be reduced by 20% for payment).								
		Garden Area	1,00	135.00	35,00	0.20	945.00	autoromation		and the second
		85% of EARTH				75%	708.75	cum	201,00	142458.75
15	22.4	Supplying and stacking at site well decayed cow dung manure from approved source, including loading, unloading and carriage upto 10 km (manure measured in stacks will be reduced by 8% for								
1		15% of cow dung				25%	236.25	cum	236.00	55755.00
16	22.8	Spreading of sludge, dump manure or/and good earth in required thickness (Cost of sludge, dump manure or/ and good earth to be paid separately).								
		Earth For Garden					708.75			
		Sludge For Garden					236.25			
17	12.8	Providing and fixing plain cement concrete fibre reinforced heavy duty designer glazed floor tiles with uniform colour (for coloured tiles) and texture conforming to IS: 1237 (for abrasion wear) and IS : 516 (for compressive strength) of approved make, colours, shades and size on cement Mortar bed and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white On floor, steps and risers over					945.00	cum	17.50	16537.50
w	-	20mm thick bed of cement Mortar	1.00	180.00	1.80		324.00	sqm	905.00	293220.00
load K	S.O.R	Pre-cast cement concrete Grass pavers 80mm thk						ΤΟΤΑΙ	A	1470798.70

ملع	*									
18	4.15 c Road	ding and laying factory made chamfered edge Cement Concrete grass paver blocks In to path, park & lawns driveway or hight & traffic parking etc. of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of course sand, compacting and proper embedding/laying of inter locking naver blocks into the sand								
19	16.9 2	Area Providing and fixing 10x10x7.50 cm Granite stone block hand cut and chisel dressed on top, for paving in floors, drains etc. laid over 20mm thick base mortar 1:4 (1cement:4 coarse sand) with joints 10mm wide filled with same mortar including ruled pointing etc. complete as per direction of engineer-in charge.	1	4.5		2.2		) Sqm Sqm	1897.95	439200
20		Planting of Trees and their Maintenance for one Year (Planting of trees by the road side (Avenue trees) in 0.60 m dia. holes, 1 m. deep dug in the ground, mixing the soil with decayed farm yard/sludge manure, planting the saplings, backfilling the trench, watering, fixing the tree				2.2				
			1	150			150	each TOTAl	750 P	
				TO SAY -	A+B	I.		TOTAL	D	570489.71 2041288.41

Sub Engineer Municipal Corporation Korba (C.G.)

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

F THE MUNICIPAL CORPORATION, KORBA(C.G.)

# DETAILED ESTIMATE

### ork:-BOUNDARY WALL

SOR Sch tule of rates public works department[PWD BUILDING-01-01-2015]

1		R:Sch. The of rates public works departing	T	T		T				
	SOR Ref.	ITEM DESCRIPTION	NO	L	В	D/H	QTY	UNIT	RATE	AMOUNT
		Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metre lead.								
+			20	0.2	0.5	0.6	2.52	-		
+	_		28	0.3	0.5	0.0	2.52	CUM	768	1935.36
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),					2.02			
		including dressing and leveling of pits.								
	1	In all types of soil	70	4.00	4.00	2.00	218.88			
		column	76		1.20	2.00	17.28			
		for expansion	10		1.20	1.20 0.40	58.40			
		below plinth	1	365.00	0.40	Total	294.56		185.00	54493.60
-2		Providing and fixing form work				Total	234.00	Ouin	100.00	
		including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
		1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level		4	1.10	0.25	94.60			
			86			2.10	180.60			
			2			0.30	219.00			
		plinth beam		000		Total	494.20		139.00	68693.80
		5 Columns, Pillars, Piers and likes- rectangular or square in shape				- Otd.		- 1		
			86	1.00		1.5	129			
						Total	129.00	sqm	297.00	38313.00
	3 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.								
		column	86	1.20						
		below plinth	1	365.00	0.40	0.10				
н.						Total	26.98	3 Cum	371.00	10011.06

		Aring nominal mix plain								
	The second	e using concrete mixer in all upto plinth level excluding cost		~						
1	3	form work. 1.3 (1 cement : 4 coarse sand : 8 grad stone aggregate 40mm nominal size).								
ſ		column	86	1.20	1.20	0.10	12.38			
ŀ		below plinth	1	365.00	0.40	0.10	14.60			74750.40
ŀ						Total	26.98	Cum	2659.00	71750.46
5		Filling from available excavated stuff (Excluding rock) in trenches, plinth,sides of foundation etc. in layers not exceeding 20cm in depthconsolidating each deposited layer by ramming and watering with a								
F						Total =	369.00	Cum	65.00	23985.00
6	3.2	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
ľ		raft c1	86	1.10		0.25	26.02			
ſ		column below plinth	86			2.10	10.84			
		plinth beam	1	365.00		0.30	21.90			
			114		0.300	1.50 0.20	10.26 10.40			
			1	40.00	1.300	Total	79.41	Cum	4163.00	330587.99
7	3.12	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete:								
			80		79.41		6352.88		54.50	240224.00
8	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:				Total	6352.88	kg	54.50	346231.96
	3	Cement Mortar 1:6(1 cement : 6 coarse sand)								
			1	365.00	0.20	0.20	14.60			
			1	150.00	0.20	1.50 0.60	45.00 25.80			
ł			1	215.00	0.20	Total		Cum	3263.00	278660.20
9	7.6	Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:				rola		Cum		8566.80

	aving nominal mix plain								1
-	crete with crushed stone								
1.1	using concrete mixer in all								
	s upto plinth level excluding cost								
	o Som work.								
	511 3 (1 cement : 11/2 coarse sand :								
	3 g. led stone aggregate 20mm								
T	nominal size).								
-		1	365.00	0.20	0.05	3.65			
F					Total		Cum	4073.00	14866.45
11.	2 Providing and making 12mm thick cement plaster of mix	I			1 Otdi	0.00	Oum	4075.00	14000.40
	4 In Cement Mortar 1:6 (1 cement : 6 fine sand)								
		1	150.00		1.80	270.00			
						270.00			
		1	215.00		1.50	322.50			
					Total	592.50	sqm	91.50	54213.75
11	<sup>3</sup> Providing and making 15mm thick	5							
	cement plaster on the rough side of								
	single or half brick wall of mix:			-					
	4 In Cement Mortar 1:6 (1 cement : 6 fine sand)								
		1	150.00		1.80	270.00			
		1	215.00		1.50	322.50			
					Total	592.50		107.00	63397.50
14	14 Finishing walls with water proofing								
	cement paint of required shade to give an even shade.					1205.00	sqm	41.00	49405.00
	1 On new work (Two or more coats )								
	Steel work in tubular (round, square or								
	rectangular hollow tubes etc.)								
	structure in built-up sections, trusses								
	and frame work including cutting,								
	hoisting, fixing in position upto a								
	height of 5m above plinth level,								
	consisting of columns trusses, roof								
	and bottom purlins, base plate,								
	holding								
	down bolts, wind ties bracing (if								
	required), bolts, nuts and washers for								
	fastening etc. complete with applying	1	215.00	1.00	11.40	2451.00			
	gate					325.00			
	9210		t			2776.00		88.50	245676.00
			L		L			TOTAL=	1660787.93
									1000101.00

Sub Engineer Municipal Corporation Korba (C.G.)

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

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THE MUNICIPAL CORPORATION, KORBA(C.G.)

DETAILED ESTIMATE

	And the second s					
AH	SOR No.		unit	Qty	Rate	Amount
1		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)				
	19.6.2	4 metre high, dia 130mm at bottom and 75mm at top, base plate size 200x200x12mm, foundation bolts 450mm long	Each	14.00	5942.00	83188.00
2	19.9	Supply and fixing following street light pole bracket on existing pole made out of 50 mm dia MS "B" class pipe welded to 300 mm long MS pole canopy of suitable dia at a angle of 102.50 including having MS triangular stiffner of size 150 X 50 X 5 mm thick, making arrangement for tightening the bracket with pole by providing suitable size heavy duty nuts and bolts in canopy, painting with one coat of approved steel primer etc. as per specification.				
	19.9.7	Double Over Hang 1.50 metre Long	Each	14.00	1869.00	26166.00
	19.8	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 4mm thick anchor plate, 4 nos 24mm 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)				
	19.8.3	11 metre high, dia 210mm at bottom and 90mm	,			
			Each	2.00	20261.0	0 40522.00
3	19.11	Erection of GI octogonal/ tubular/conical pole or existing cement concrete foundation having grouted bolts and nuts, aligning in true vertica	9			
	19.11.2	position as per specification. 4 metre high	Each	14.0	0 604.00	8456.0

		nying following sizes FRLS PVC insulated ,				
61		VC sheathed, steel armoured, aluminium Iconductor power cable of 1.1 KV grade and as				
-11	1	per IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part				
		1).				
	32.7.9	3 x 25 sq. mm	Metre	180	97	17460.00
A	52.7.0		Metre			17400.00
-	19 Martinese	Designing and providing suitable RCC				
a la com	840	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				
5	19.12	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.				
		TOTAL pole (0.8x.8x.8x.8) at Every 20 mtr	cum	5.50	5219	28704.50
		Supplying and laying HDPE pipe of 4kg/Sqcm in		0.00		
		ground below road, path etc at a depth not less				
		than 40 cm and upto 90 cm including excavation,				
6	14.2	dismantling of road if required and refilling the			12	
		trench with excavated material, ramming and				
		making the surface good etc. as per				
		specification.		400	424	14880.00
	14.2.1	63 mm outer dia	Metre	120	124	14660.00
		Supplying and laying following size medium				
		class G.I. pipe in ground below road, path etc at a depth not less than 40 cm and upto 90 cm				
7	14.3	including excavation, dismantling of road if				
<u> </u>	1	required and refilling the trench with excavated				
		material, ramming and making the surface good				
		etc. as per specification.				
	14.3.3	100 mm internal dia	Metre	10.00	879.00	8790.00
		Supplying and laying following sizes one number				
		FRLS PVC insulated/XLPE, PVC sheathed, steel				
		armoured, aluminium conductor power cable of				
8	15.1	1.1 KV grade direct in ground at a depth not 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)				
	15.1.24	4 x 25 sq. mm.	Metre	180.00	321	57780.00
						-
		Supplying and making end termination with				
		brass compression gland and aluminum lugs for				
9	15.23	following size armoured aluminum conductor	l l			
		power cable of 1.1 KV grade as per				
		specification.				F00 0
	15.23.25	4 X 25 sq. mm (25 mm)	Each	5.00	104.00	520.00
		Earthing with G.I. earth pipe 4.5 metre long, 40				
		mm dia including accessories, and providing				
10	12.1	masonry enclosure with cover plate having				
		locking arrangement and watering pipe etc. with				
		charcoal and salt as per specification and IS	Set	2.00	3243.00	6486.00
		Code 3043: 1987(R 2016)	1000	L 2.00	0140.00	0-100.00

Ser.			Get	2.00	6209.00	12418.00
12	1. 12	efilling the trench etc. as per specification.	<b>Netre</b>	50.00	36.00	1800.00
13	7.19	Fabrication, supply, installation, testing and commissioning of cubicle type compartmentalized wall/ floor mounted power cum control panel board of specified size and following depth made out of not less than 2 mm thick CRCA MS powder coated sheet with suitable size compartments for bus bars, switchgears and necessary cutouts for voltmeters, ammeters etc as per specifications including powder coating painting but without busbars, switchgears and other accessories etc	sqm	1.00	6818.00	6818.00
13	7.19.1	Upto 300 mm deep Supply, installation, testing and commissioning of 4 pole (3 phase + neutral) aluminium bus bars in existing cubicle type compartmentalized wall/ floor mounted panel board along with suitable size and shape insulators, necessary bolts and nuts etc complete as per specification.	sqm	1.00		
	7.20.1		Metre	15.00	717.00	10755.00
14		Providing and making interconnection in cubical panel between BBC and switchgears with following size FRLS PVC insulated aluminium conductor wire lead of length upto 50cm including providing aluminium thimbles on both ends as per specification (To be measured separately for each phase/ neutral).				
	7.15.2	16 somm (63 amp)	Each	2.00	55.00	110.00
15 9.1		Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as per specification, IS/ IEC: 60947-2 and Ics = 100 % Icu.				
	9.1.4	3 pole MCCB, 100A, Adjustable Thermal - Magnetic Release, 25KA	Each	10.00	3734.00	37340.0
11	6 9.11	Magnetic Release, 2500 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.	<b>J</b>			
	9.11.2		Each	8.0	0 148.00	1184.0
1	9.12	Supplying and fixing DP MCB, 240 volts, 'C curve, suitable for lighting and other loads in the existing MCB DB complete with connections testing and commissioning etc. as pe specification.	9			
	9.12.		Each	5.0	0 411.00	2055.0

	and a start	olying and fixing TP&N MCB, 440 volts, 'C'				
		a witable for lighting and other loads in the				
-		existing MCB DB complete with connections,	1			
2.1		testing and commissioning etc. as per				-
		specification.				
The shares	246.5	63 amps	Each	2.00	1316.00	2632.00
1	9.16.5	Providing and fixing penal mounting 230 volt		2.00	1010.00	2002.00
	Care -	LED type indicating lamp in existing cubical				
( and a second	10.17	panel including, connections, testing and				
19	16.17	commissioning etc. as per specification.				
		commissioning etc. as per specified ton.	Each	5.00	94.00	470.00
		Providing and fixing penal mounting following				-
		rating analog type ammeter of size 100x100				
20	10.18	(NS) in existing cubical panel including,				
		connections, testing and commissioning etc. as				
		per specification.				
	10.18.2	0-100 amps	Each	5.00	372.00	1860.00
	10.10.2	Providing and fixing penal mounting 0-500 volt				
		voltmeter of size 100x100 (NS) in existing				
21	10.20	cubical panel including, connections, testing and				
		commissioning etc. as per specification.				
	10.20.1	Analog type	Each	3.00	397.00	1191.00
	10.20.1	Providing and fixing penal mounting selector		0.00		
		switch in existing cubical panel including,				
22	10.21	connections, testing and commissioning etc. as				
	10.21.1	per specification. For voltmeter	Each	3.00	189.00	567.00
			Each	3.00	207.00	621.00
	10.21.2	For ammeter	Each	5.00	207.00	021100
				_		
		LED FOR POLE				
	6.28	Supplying, installation, testing and				
		commissioning of following 230/250 volts LED				
		street light fitting with all accessories like driver,				
		heat sink made of die cast aluminium with IP 66				
		protection and 15 KV surge protection on pole				
		bracket, including connection, earthing, Separate				
	6.28.8	90 watt	Each	28.00	5531.0	154868.00
	6.29	Supplying of following 230/250 volts LED Flood				
1	0.29	light fitting with all accessories like driver, heat				
		sink made of die cast aluminium with IP 66				
1	1	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				
	6.29.2	150 watt		12.00		
			Each	12.00	9347.0	112164.00
				12.00		
		Total cost in Lacs				6,42,055.50
						0,12,000.00

Sub Engineer Municipal Corporation Korba (C.G.)

Asst. Engineer

Municipal Corporation Korba (C.G.)

	4		GAZEB	0					
-	PARTICULAR	NO.	L	В	H/D	QTY.	UNIT	RATE ( in	AMOUNT (in Rs.)
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						((3,)
	(BUILDING SOR ITEM NO1.1/9)								
	C1-	8	1.50	1.20	2.50	36.00			
					2.00	36.00	CUM	185.00	6660.00
2	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm. In depth consolidation each deposited layer by ramming and watering with a lead upto 50M. And lift upto 1.5M. (BUILDING SOR ITEM NO.1.17/11)								
	Deducting PCC, sand filling, Pedestrian,Column upto GL-					7.73	СЛМ	65.00	502.45
3	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.								
	(BUILDING SOR. ITEM NO1.18/11)		1	1.00	0.45	0.10			
	C1-	8	1.50 11.40	1.20 0.5	0.15	2.16 0.57			
	r miui	1	11.40	1	0.10	1.18			
						3.91	CUM	371.00	1450.61
4	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								
		8	1.50	1.20	0.15	2.16			
	Flooring-	1	11.40	0.5	0.10	0.57 1.18			
	Steps	1	11.80	<sup>1</sup>	0.10	3.91	CUM	2970.00	11612.70
5	(BUILDING SOR. ITEM NO 3.1/23) Providing & laying 60mm thick precast interlocking concrete blocks of approved size (approx 305 sqcm) and shape/ pattern, over 40 mm thick average complete coarse sand bed with joints of 3mm thick filled by fine sand including leveling with surface vibrator, temping and sweeping etc. complete of minimum compressive strength of 250 kg/sq.cm								
	Coloured pigment precast interlock concrete								
	(BUILDING SOR. ITEM NO12.65/120) Floor-	1	11.78	SQ.M	-	11.78	SQM	632.00	7444.9

F

int.									
200	nent cement concrete with crushed regate using concrete mixer in all								
	regare data level	L							
6	graded (BUILDING SOR. ITEM NO 3.2.1/23)	1							
_	BUILDING SOR. ITEM NO 5.2.1125								
1	F1-	8	1.30	1.20	0.25	3.12			
$\square$	Column upto GL-					0.00			
-	C1-	8 8	0.90	0.90	0.40	2.59			
+	Pedestial-	8	0.28	1.00	5.50	12.32		<del> </del>	
1	pl	1	11.40	0.30	0.30	1.03			
					0.00	19.06	CU	4163.00	79338.45
$\neg$								4100.00	
	Providing and placing in position reinforcement for								
	R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings								
$\square$	Thermo-Mechanically treated bars FE 415								
_	(BUILDING SOR. ITEM NO3.12.1/24)								
					item No7	19.06			
			<u>100kg</u>	<u>/cum</u>		1905.80	KG	54.50	103866.10
9	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc.								
	Foundations, footings, base of columns and plinth								
	footing								
	Dodostial	32	0.90	-	0.40	11.52			
	Pedestial-		1 00			0.00			
	PB	32	1.88 11.80	-	5.50	330.88			
	(BUILDING SOR ITEM NO 2.1/16)		11.00		0.30	7.08 349.48	SQ	139.00	49577 72
10	Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to IS:12894-2002 of class designation 40 in foundation and plinth					040.10		139.00	48577.72
	Cement Mortar 1:6 (1 cement : 6 coarse sand )				1	+			
	plinth		12.49	0.20	0.60	1.50			
	Steps		1.20	0.30	0.45	0.16			
		1	1.20	0.30	0.30	0.11			
		1	1.20	0.30	0.15	0.05			
						1.82	2 CL	J 3263.00	5947.8
	(BUILDING SOR ITEM NO - 7.5.4/45)							+	
11	(BUILDING SOR ITEM NO 7.5.4/45) Providing and making 12mm.thick cement plaster of			1		1	1	1	•
11	Providing and making 12mm.thick cement plaster of				_	_			
11	Providing and making 12mm.thick cement plaster								
11	Providing and making 12mm.thick cement plaster of In Cement Mortar 1:6 (1 Cement : 6 fine Sand)		12.49		0.60				
11	Providing and making 12mm.thick cement plaster of In Cement Mortar 1:6 (1 Cement : 6 fine Sand) (BUILDING SOR. ITEM NO11.2/103)	2	12.49	-	0.60	14.99	-		
	Providing and making 12mm.thick cement plaster of In Cement Mortar 1:6 (1 Cement : 6 fine Sand) (BUILDING SOR. ITEM NO11.2/103) PLINTH		12.49	-	0.60	14.9	-	Q. 91.50	0 1371.
	Providing and making 12mm.thick cement plaster of In Cement Mortar 1:6 ( 1 Cement : 6 fine Sand) (BUILDING SOR. ITEM NO11.2/103) PLINTH Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls		12.49		0.60	_	-	Q. 91.50	0 1371
11	Providing and making 12mm.thick cement plaster of In Cement Mortar 1:6 ( 1 Cement : 6 fine Sand) (BUILDING SOR. ITEM NO11.2/103) PLINTH Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even.		12.49	-	0.60	_	-	Q. 91.5	0 1371
	Providing and making 12mm.thick cement plaster of In Cement Mortar 1:6 ( 1 Cement : 6 fine Sand) (BUILDING SOR. ITEM NO11.2/103) PLINTH Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls		12.49		0.60	_	-	Q. 91.50	0 1371

e to									
co pla	tubular (round, square or nollow tubes etc.) structure in built-up trusses and frame work including tsting, fixing in position upto a above plinth level, consisting of lumns trus e, roof and bottom purlins, base ate, holding, down bolts, wind ties bracing (if quired), bolts, nuts and washers for fastening c. complete with applying a priming coat of red								
lovi	ide								
	elded								
(B	UILDING SOR. ITEM NO9.3.1/80)		10.05			10.05			
	vertical column, roof truss	1	18.85	SQM 50kg/sqm		18.85 942.40			
				SUKG/SQIII		942.40	KG	93.50	88114.40
ga siz cc ep cc 6 P n tu s E L L	0.12 Supply and fixing of polymer precoated alvalume profile sheets (PPGL) of approved ze, shape and pitch of corrugation, total poted thickness (TCT) 0.60 mm +/- 5%, poxy primer on both side of the sheet and olour polyester top coat 18-20 microns and -7 microns on bottom. Sheet should have rotective guard film of 25 microns ninimum to avoid scratches while ransportation and should be supplied in single length upto 12 metre or as desired by Engineer-in- charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet		10.05	SOM		18.85			
	(BUILDING SOR. ITEM NO 10.12/91)	1	18.85	SQM	· ·		SQ	693.00	13063.05
						18.85	M		
15	Providing <b>stainless steel railing</b> / grill made of S.S. flats, hollow S.S. pipe or square/ rectangular sections of approved design fixing in stair case, balcony or other places with metal fasteners and stainless steel bolts etc complete.								
	9.57.2 SS Grade 304		10.09		0.90	9.08			
		'	10.03		/SQ.M	108.96	KG	525.00	57204.00
		8	0.28	1	3.5	7.84			
-	Cement art Mural work	4	11.8		0.28	13.216		2.505	72 606 000
						21.056	sqm	3500	73,696.000
					a second	(	For One)	Total Rs.	500200.0004

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Fil

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

Y

WATER SUPPLY

10			WA	I ER SUPPLY	,				
5	19.4 Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing.		WA	TER SUPPLY	, 				
	This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.								
	1 15 mm nominal outer dia .Pipes.					430.00	metre	110.00	47300.00
	4 32 mm nominal outer dia .Pipes.					380.00	metre	271.00	102980.00
	20.6 Providing, lowering, laying, aligning, fixing in position at and jointing at all level/ depths ISI marked HDPE pipes of PE-100 grade and PN 6 for sewer application as per IS 14333- 1996 (amended upto date) in trenches in complete including all material, labour, testing and commissioning as per direction of Engineer.		10			20.00	M	200.00	10000.00
	100 mm dia	3	10			30.00	м	366.00	10980.00
7	19.1 Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required:								
	6 Stop cock (concealed) (600 grams					20.00	each	494.00	9880.00
								TOTAL =	171140.00

Sub Engineer Municipal Corporation Korba (C.G.)

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

1	- Sta									
1		CON	STRU	CTION	OF GL	JARD ROOM	N			
	S.O.R.									
S.	ITEM	14 500-5	l	L.	В.	H/D				
No.	NO.	Item Surface dressing of the ground i	Nos				Quantity	Unit	Rates	Amount
		vegetation and making up undu								
		equalities not exceeding 15 cms								
1	1.2	including disposal of rubbish up								
		upto 50m (at least 5m away from								
					,					
		Distance	<u> </u>	<b>—</b>	r					
<u> </u>		Plot area	1	4	4	-	16			
		Excavation for all types and size	n of f	l		Total	16	sqm.	7.2	115.00
		trenches and drains or for any o			ons,					
		including disposal of excavated			m lift			0		
2	1.1.1	and lead upto 50m (at least 5m								
		excavated area), including dress								
		pits.In all Type of Soil.	-		-					
-		For Main Column A	T	1	r					
-		F1	4	1.5	1.5	1.5	13.5			
			- <del>-</del> -	1.0	1.5	Total	13.5	cum.	405	2402.00
						Total	10.0	cum.	185	2498.00
3	1.6	Extra for every additional lift of of All types of soil	1.5 m	or part	there					
		For Main Column A								
		F1	4	1.5	1.5	0.3	2.7			
			<u> </u>			Total	2.7	cum.	26.5	72.00
		Providing and filling in plinth with	h sand	  / Crush	l					
		dust and hard moorum under flo	n sanc	lavers n	ot					
	1 4 9	exceeding 20cm in depth conso							2	
4	1.18	deposited layer by ramming and			luding					
		dressing etc. complete.								
		For Main Column A								
-		F1	4	1.50	1.50	0.1	0.9			
		Building	1	3.00	3.00	0.6	5.4			
		<u> </u>			Total C	ty.	6.3	cum.	371	2337.30
	<u> </u>		iv com							
		Providing and laying nominal m with crushed stone aggregate us								
5	3.1.3	in all works upto plinth level excl								
		work. 1:3:6 (1 cement :3 coarse								
		stone aggregate 40 mmnominal								
		For Main Column A								
		F1	4	1.4	1.4	0.10	0.784			
		floor area	4	3.0	3.0	0.10	3.6			
						Total	4.384	cum.	2970	13020.00

1	0									
E F		10					1	T	1	T
F		Providing and laying nominal	mix reir	nforced	cement					
		concrete with crushed stone a								
		concrete mixer in all works up			5					
16	3 3.2.1				mont .					
		1 <sup>1</sup> / <sub>2</sub> coarse sand : 3 graded s								
		20mm nominal size).	ione ag	gregat	e					
-		Footing F1/C1	4	1.30	1.30	0.35	2.366			
		for column up to plinth Ivl.			1.00	0.00	2.500			-
		For Main Column A	4	0.20	0.30	1.25	0.2			
$\vdash$	_			0.20	0.30	1.25	0.3			
-	_	ground beam ,plinth beam						· · · · · ·		
			_							
-		size:GB2 (200*300)	_							
<u> </u>			4	3.0	0.20	0.3	0.72			
			_			TOATAL	3.386	cum.	4163	14096
		Column A	4	0.20	0.30	3.00	0.72			
		lintel beam								
		Size -200*200	1	3.00	0.20	0.20	0.6			
		chhajja								
		W1+D1	1	3.00	0.60	0.10	0.18			
		v1	1	0.90	0.60	0.10	0.054			
		SLAB BEAM								
		size:200*400					0.72			
_		SLAB DETAILS	4	3.00	0.20	0.40				
		BUILDING AREA	1	3.00	3.00	0.12	1.08			
		platform	1	3.00	0.45	0.10	0.135			
	-		<u> </u>	0.00		Total	3.489			
		Dedection Slab beam	4	3.0	0.2	0.12	0.288			
		Dedeotion clab beam		0.0	0.2	0.12	0.288			
						Total	3.201	CUM	4163	13325.
			-			Total	5.201	00101	4105	15525
		Extra for laying PCC/RCC of an	ny grade	e in						
7	3.4	superstructure above plinth lev	el for ev	ery floo	or or	1				
'	0.4	part thereof in addition to rate f	or found	dation a	nd					
		plinth:				-				
		same quanty					3.201	CUM	97.5	312.
	1									
					16.					
		Providing and placing in position			TOP					
		R.C.C. work including straighter								
8	3.12.1	bending, binding etc. complete	•	-			3.201			
		including cost of binding wire in								
		plinth all complete: hermo-Mec	hanicall	y Treate	ed					
		(TMT) Bars								
		100 Kg / cum. of R.c.c. work					320.1	KG.	54.5	17445.
		Providing and fixing formwork in	cludina	centeri	ng,					
9		shuttering, strutting, staging, pro								
9		complete and including its remov								

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and the second	1									
Γ	and the second s	Foundations, footings, base of	colum	ns, plint	h					
	2.1.1	beam,Curtain Wall in any shape	e and s	ize and	all					
		type of wall below plinth level								
		For Main Column A	4	5.20	-	0.35	7.28			
		for column up to plinth Ivl.				0.00	1.20			
		For Main Column A	4	1.00	-	1.65	6.6			
	_	Ground beam , Plinth beam				1.00	0.0			
		size:GB2 (200*300)								
			4	3.00	-	0.70	8.4			
			4	3.00	-	0.60	7.2			
						Total	29.48		120	4000.00
						rotar	23.40	sqm.	139	4098.00
						-				
10	2.1.5	columns, Pillars, piers and likes	-rectar	igulay o	r					
		square in shape in size.								
		for column up to slab IvI.+Prap	-							
		For Main Column A	4	0.80	-	3	9.6			
-						Total	9.6	sqm.	297	2851.00
11	2.1.13	Weather shade chhajja ,cornice	e and	mound	linge					
		chhajja		T						
		W1	1	-	-	-	-			
		v1		3.00	0.70	-	2.1			
		SIDE	-	0.90	0.70	-	0.63			
		SIDE	4	3.90	0.10	-	1.56			
						Total	4.29	sqm.	294	1261.00
12	2.1.8	Beams ,Lintels, Cantilevers & v	valls							
		lintel beam	T	1						
			1	3.00	-	0.60	1.8			
			<u> </u>			0.00	1.0			
		Slab Beam								
		size:200*400	4	3.00	-	1.00	12			
						Total	13.8	Sqm.	202	2788.00
13	2.1.7	Suspended floors, roofs, acces			20.0					
		balconies (plain surfaces) and						-		
		Building Area	1	3.00	3.00	-	9			
			_			Total	9	sqm.	235	2115.00
		Brick work with modular FLY A			s (Falg					
		brick) confirming to ISI 12894:2								
14	7.5.4	designation 40 in foundation a	nd plin	th in:Ce	ment					
		Mortar 1:6 (1 cement : 6 coarse	e sand	)						
		UP TO GD BEAM	1	3.00	0.20	0.45	0.27			
			<u> </u>	1		Total	0.27	cum.	3263	881.0

	1									
	and the second	Brick work with modular FL	VACUI	h-1-1	10					
	<i></i>	brick) confirming to ISI 128	94.2002 -	DICKS	(nag					
		designation 40 in foundatio	54.2002 01	class						
5	7.5.4	Mortar 1:6 (1 Compart : 6 C	n and plinth	in:Cem	ent					1
		Mortar 1:6 (1 Cement : 6 C	oarse Sand	)+ Extra	for					1
		brick work in superstructure	e above plin	th level	for					
		every floor or part therof in	additional to	o rate fo	r					
-+		foundation and plinth:								
-+		UP TO SLAB BEAM	4	3.00	0.20	2.60	6.24			
		PERPIT WALL	4	3.00	0.20	0.30	0.72			
$\rightarrow$						Total	6.96			
_		Deduction					0.00			
		D1	1	1.00	0.20	2.40	0.48			
		W1	1	1.50	0.20	1.50	0.45			
		V1	1	0.90	0.20	0.60	0.45			
T				0.50	0.20					
						(-)	1.038			
						Total	5.922	cum.	3263	19323.00
$\neg$										
		Brick work with modular F	LY ASH lim	e bricks	(Falg					
	7.5.4	brick) confirming to ISI 12	894:2002 of	class	, J		1 1			
		designation 40 in foundat	ion and plin	th in:						
		Cement Mortar 1:6 (1 Cen	nent : 6 Coa	irse Sar	d)					
		brick work			<u>, , , , , , , , , , , , , , , , , , , </u>		5.922			
	_						5.922	CUM	121	716.56
							5.922	COM	121	/10.00
		Providing and loving dam								
16	3 12	Providing and laying dam								
16	3.13	50mm thick) with plain ce	ment concr	ete 1:2:4	+ (1					
16	3.13	50mm thick) with plain ce cement : 2 coarse sand :	ment concr 4 graded cr	ete 1:2:4 ushed s	tone					
16	3.13	50mm thick) with plain ce cement : 2 coarse sand : aggregate 20mm nomina	ment concr 4 graded cr I size) inclue	ete 1:2: ushed s ling forr	l (1 tone nwork.					
16	3.13	50mm thick) with plain ce cement : 2 coarse sand :	ment concr 4 graded cr	ete 1:2:4 ushed s	tone	0.075	0.18			
16	3.13	50mm thick) with plain ce cement : 2 coarse sand : aggregate 20mm nomina	ment concr 4 graded cr I size) inclue	ete 1:2: ushed s ling forr	l (1 tone nwork.	0.075 Total	0.18 0.18	cum.	4237	763.0
16	3.13	50mm thick) with plain ce cement : 2 coarse sand : aggregate 20mm nomina	ment concr 4 graded cr I size) inclue	ete 1:2: ushed s ling forr	l (1 tone nwork.			cum.	4237	763.0
		50mm thick) with plain ce cement : 2 coarse sand : aggregate 20mm nomina Outer	ment concr 4 graded cr I size) includ 4	ete 1:2:4 ushed s ding forr 3.00	(1 tone nwork. 0.20			cum.	4237	763.0
16		50mm thick) with plain ce cement : 2 coarse sand : aggregate 20mm nomina Outer 2 Providing and making 6m	ment concr 4 graded cr I size) includ 4	ete 1:2:4 ushed s ding forr 3.00 nent pla	(1 tone nwork. 0.20 ster of			cum.	4237	763.0
		50mm thick) with plain ce cement : 2 coarse sand : aggregate 20mm nomina Outer 2 Providing and making 6m mix : In Cement mortar 1	ment concr 4 graded cr I size) includ 4 4 mm thick cer :4 (1 cemer	ete 1:2:4 ushed s ding forr 3.00 	(1 tone nwork. 0.20 ster of sand)	Total	0.18	cum.	4237	763.0
		50mm thick) with plain ce cement : 2 coarse sand : aggregate 20mm nomina Outer 2 Providing and making 6m mix : In Cement mortar 1 Building CELLING	ment concr 4 graded cr I size) includ 4	ete 1:2:4 ushed s ding forr 3.00 nent pla	(1 tone nwork. 0.20 ster of sand)	Total		cum.	4237	763.0
		50mm thick) with plain ce cement : 2 coarse sand : aggregate 20mm nomina Outer 2 Providing and making 6m mix : In Cement mortar 1 Building CELLING chhajja	ment concr 4 graded cr I size) includ 4 mm thick cer :4 (1 cemer 1	ete 1:2:4 ushed s ding forr 3.00 nent pla t : 4 find 2.60	4 (1 tone nwork. 0.20 ster of e sand) 2.60	Total	0.18 6.76	cum.	4237	763.0
		50mm thick) with plain ce cement : 2 coarse sand : aggregate 20mm nomina Outer Providing and making 6m mix : In Cement mortar 1 Building CELLING chhajja W	ment concr 4 graded cr I size) includ 4 mm thick cer :4 (1 cemer 1 1	ete 1:2:4 ushed s jing forr 3.00 nent pla t : 4 fine 2.60 3.00	4 (1 tone nwork. 0.20 ster of e sand) 2.60 0.70	Total	0.18 6.76 2.1	cum.	4237	763.0
		50mm thick) with plain ce cement : 2 coarse sand : aggregate 20mm nomina Outer 2 Providing and making 6m mix : In Cement mortar 1 Building CELLING chhajja W v1	ment concr 4 graded cr I size) includ 4 m thick cer :4 (1 cemer 1 1 1	ete 1:2:4 ushed s Jing forr 3.00 nent pla t : 4 fine 2.60 3.00 0.90	4 (1 tone nwork. 0.20 ster of e sand) 2.60 0.70 0.70	Total	0.18 6.76 2.1 0.63	cum.	4237	763.0
		50mm thick) with plain ce cement : 2 coarse sand : aggregate 20mm nomina Outer Providing and making 6m mix : In Cement mortar 1 Building CELLING chhajja W	ment concr 4 graded cr I size) includ 4 mm thick cer :4 (1 cemer 1 1	ete 1:2:4 ushed s jing forr 3.00 nent pla t : 4 fine 2.60 3.00	4 (1 tone nwork. 0.20 ster of e sand) 2.60 0.70 0.70	Total 	0.18 6.76 2.1 0.63 0.24	cum.	4237	763.00
		50mm thick) with plain ce cement : 2 coarse sand : aggregate 20mm nomina Outer 2 Providing and making 6m mix : In Cement mortar 1 Building CELLING chhajja W v1	ment concr 4 graded cr I size) includ 4 m thick cer :4 (1 cemer 1 1 1	ete 1:2:4 ushed s Jing forr 3.00 nent pla t : 4 fine 2.60 3.00 0.90	4 (1 tone nwork. 0.20 ster of e sand) 2.60 0.70 0.70	Total - - - - -	0.18 6.76 2.1 0.63		4237	763.00
		50mm thick) with plain ce cement : 2 coarse sand : aggregate 20mm nomina Outer 2 Providing and making 6m mix : In Cement mortar 1 Building CELLING chhajja W v1	ment concr 4 graded cr I size) includ 4 m thick cer :4 (1 cemer 1 1 1	ete 1:2:4 ushed s Jing forr 3.00 nent pla t : 4 fine 2.60 3.00 0.90	4 (1 tone nwork. 0.20 ster of e sand) 2.60 0.70 0.70	Total 	0.18 6.76 2.1 0.63 0.24	cum.		
		50mm thick) with plain ce cement : 2 coarse sand : aggregate 20mm nomina Outer 2 Providing and making 6m mix : In Cement mortar 1 Building CELLING chhajja W v1	ment concr 4 graded cr I size) includ 4 m thick cer :4 (1 cemer 1 1 1	ete 1:2:4 ushed s Jing forr 3.00 nent pla t : 4 fine 2.60 3.00 0.90	4 (1 tone nwork. 0.20 ster of e sand) 2.60 0.70 0.70	Total 	0.18 6.76 2.1 0.63 0.24			
	11.1.2	50mm thick) with plain ce cement : 2 coarse sand : aggregate 20mm nomina Outer 2 Providing and making 6m mix : In Cement mortar 1 Building CELLING chhajja W v1 SIDE	ment concr 4 graded cr I size) includ 4 mm thick cer :4 (1 cemer 1 1 1 4	ete 1:2:4 ushed s ling forr 3.00 	(1 tone nwork. 0.20 ster of e sand) 2.60 0.70 0.70 0.10	Total - - - - Total	0.18 6.76 2.1 0.63 0.24			
17	11.1.2	50mm thick) with plain ce cement : 2 coarse sand : aggregate 20mm nomina Outer 2 Providing and making 6m mix : In Cement mortar 1 Building CELLING chhajja W v1 SIDE 3 Providing and making 12	ment concr 4 graded cr I size) includ 4 mm thick cer :4 (1 cemer 1 1 1 4 1 4 mm thick ce	ete 1:2:4 ushed s jing forr 3.00 nent pla t : 4 fine 2.60 3.00 0.90 0.60	4 (1 tone nwork. 0.20 ster of e sand) 2.60 0.70 0.70 0.10	Total - - - - Total	0.18 6.76 2.1 0.63 0.24			
17	11.1.2	50mm thick) with plain ce cement : 2 coarse sand : aggregate 20mm nomina Outer Providing and making 6m mix : In Cement mortar 1 Building CELLING chhajja W v1 SIDE Providing and making 12 mix: in cement mortar 1:5	ment concr 4 graded cr I size) includ 4 	ete 1:2:4 ushed s Jing forr 3.00 	4 (1 tone nwork. 0.20 ster of e sand) 2.60 0.70 0.70 0.70 0.10 laster of sand)	Total - - - - Total	0.18 6.76 2.1 0.63 0.24 9.73			
17	11.1.2	50mm thick) with plain ce cement : 2 coarse sand : aggregate 20mm nomina Outer 2 Providing and making 6m mix : In Cement mortar 1 Building CELLING chhajja W v1 SIDE 3 Providing and making 12	ment concr 4 graded cr I size) includ 4 mm thick cer :4 (1 cemer 1 1 1 4 1 4 mm thick ce	ete 1:2:4 ushed s jing forr 3.00 nent pla t : 4 fine 2.60 3.00 0.90 0.60	4 (1 tone nwork. 0.20 ster of e sand) 2.60 0.70 0.70 0.70 0.10 laster of sand)	Total - - - - Total	0.18 6.76 2.1 0.63 0.24 9.73 29.952	sqm		
17	11.1.2	50mm thick) with plain ce cement : 2 coarse sand : aggregate 20mm nomina Outer 2 Providing and making 6m mix : In Cement mortar 1 Building CELLING chhajja W v1 SIDE 3 Providing and making 12 mix: in cement mortar 1: INER WALL	ment concr 4 graded cr I size) includ 4 	ete 1:2:4 ushed s Jing forr 3.00 	4 (1 tone nwork. 0.20 ster of e sand) 2.60 0.70 0.70 0.70 0.10 laster of sand)	Total - - - - Total	0.18 6.76 2.1 0.63 0.24 9.73	sqm		
17	11.1.2	50mm thick) with plain ce cement : 2 coarse sand : aggregate 20mm nomina Outer 2 Providing and making 6m mix : In Cement mortar 1 Building CELLING chhajja W v1 SIDE 3 Providing and making 12 mix: in cement mortar 1: INER WALL 2 Deduction	ment concr 4 graded cr I size) includ 4 	ete 1:2:4 ushed s Jing forr 3.00 	4 (1 tone nwork. 0.20 ster of e sand) 2.60 0.70 0.70 0.70 0.10 laster of sand)	Total - - - - Total	0.18 6.76 2.1 0.63 0.24 9.73 29.952	sqm		
17	11.1.2	50mm thick) with plain ce cement : 2 coarse sand : aggregate 20mm nomina Outer 2 Providing and making 6m mix : In Cement mortar 1 Building CELLING chhajja W v1 SIDE 3 Providing and making 12 mix: in cement mortar 1: INER WALL	ment concr 4 graded cr I size) includ 4 	ete 1:2:4 ushed s Jing forr 3.00 	4 (1 tone nwork. 0.20 ster of 2.60 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		

De.	Hart	V	1	0.90	- 1	0.60	0.54			
						(-)	5.19			
						Total	24.762	sqm.	00.5	0000.0
						. otal	24.702	sqm.	96.5	2390.0
19	11.3.4	Providing and making 15mm on the rough side of single or	thick cer half bric	ment pla	aster f mix					
		In Cement Mortar 1:5 (1 ce	ment • 4	5 fine s	and)					
$\neg$		Outer Wall Front	4	3.00		3.70		_		
		Window grooving	1	1.50		0.20	44.4		1	
		g		1.50		0.20	0.3			
-		Deduction(-)	_				44.7			
		D1	1	1.00		2.40				
		W1	$-\frac{1}{1}$	1.50		2.40	2.4			
		V				1.50	2.25			
		·	- <u>  '</u>	0.90		0.60	0.54			
						<b>T</b> ( )	5.19			
						Total	39.51	sqm.	113	4465.0
20	14.13	Providing and applying 2mm exterior grade putty (Birla wal W/R of (NCL), J.K. wall putty) surface smooth and even.	I care, A	Iltek Su						
		Same as item total plaster					74.002	sqm	94.5	6993.0
21	14.11.1	Wall painting with acrylic luxu paint of Required Shade to gi new work( two or more coats	ve an ev							
		Same as item Celling & inne	r				34.492	sqm.	52.5	1811.0
								-		
22	14.15.1	decorative finish including cle surface etc. complete with	ades as give prot aning w	per ective a ashing o	ind of					
		on new work (two or more co ltr/10 sqm over and including exterior primer applied @ 2.2	priming	coat of	.43					
		Same as item outer plaster					39.51	sqm.	56	2213.0
23	3.15	Applying a coat of hot bitume 1.7kg/ sqm on damp proof co surface with brushes and fina lightly soaked in kerosene oil.	urse afte Ily with a	er clean a piece (	ing the of cloth					
23	3.15	1.7kg/ sqm on damp proof co surface with brushes and fina	urse afte Ily with a	er clean	ing the	 Total	2.4		93.5	224

A

al set	19									
P.	5	Making 50mm thick plinth protec							r	
1 1		compart concrete 1/2/2 (4		t plain					1 1	
1 1		cement concrete 1:3:6 (1 cemer	nt:3 c	oarse s	sand ;				1 1	
25	3.16	6 graded crushed stone aggrega	ate 20	mm no	minal				1 1	
25	5.10	size) over 75mm bed of dry bric	k balla	ist 40m	m					
		nominal size well rammed and c	onsoli	dated -	and				1 1	
		grouted with sand including finis	bing th		DIN				1 1	
		smooth.	ning u	le top					1 1	
		Outer							1 1	
		Outer	4	3	-	1.5	12		-{{	
						Total	12	0.000	070	2070.00
							12	sqm	273	3276.00
		Draviding was done by the							-	
25	8.1.1	Providing wood work in frames	of doo	rs,Wind	low				1 1	
23	0.1.1	s,clerestory windows and other	r frame	es wrou	ight					
		framed and fixed in position.			-					
		Teak Wood								
		D1	1.00	5.80	0.08	0.15	0.00505			
			1.00	0.00	0.08	0.15	0.06525			
						Total	0.06525	cum.	114758	7488.00
		Providing and fixing 40mm thick	nane	led or d	lazed					
		or paneled and glazed shutter fi	amoe	for doo	ro					
26	8.6.1	excluding hinges and paneling.			15					
	0.0.1	excluding ninges and paneling.	(Area	or shuti	ier to				1 1	
		be measured without deducting	panel	ing area	a)				1 1	
		Teak wood								
		D1	1	1.00	2.40		2.4	sqm.	2906	6974.00
			_		-					
		Providing and fixing M.S. grill o							1 1	
27	9.15	made of M.S. flats or square or							1 1	
		to steel frame of windows etc. in	ncludir	ig apply	ving a				1 1	
		priming of red oxide zinc chron	nate pr	imer.					1 1	
		lw -	1	1.50	-	1.50	2.25			
		lv	1	0.90	-	0.60	0.54			
							2.79	sqm.		
						20 kg /sqm	55.8	KG.	67.5	3767.00
						20 kg /sqm	55.0	NG.		3707.00
<u> </u>				L	I				┨────┤	
		Providing and fixing bright finish	ned br	ass tow	/er					
		I alte (hannel time) with broos po								
28	8.62.2									
		complete:								
		200x10 mm	1		r	<b> </b>				
		D1	1	2.00	-	-	2.00			
						Total	2.00	each	231	462.00
		Providing and fixing bright finish	ned							
		brass door handles with brass	polishe	ed MS s	screws					
20	8.65.1								1 1	
29	0.05.1	An all store data relations of the								
		125 mm								- X 19 11-
			T	1.00			4.00			
		D1	1	4.00	-		4.00			000.00
						Total	4.00	each	55.5	222.00
L								_		

1	1	1	2			Т			тт	
30	8.80.2	Providing and fixing Anitque/S door latch with necessary Ant MS screws complete: 300 x16x5 mm								
		D1	1	1.00	-	-	1.00			
	4					Total	1.00	each	280	2
31	8.73	Providing and fixing 150mm / brass floor door stoppers with antique/ S.S. Polished MS so of shutters thickness.	n rubber	cushio suit thi	n and					
		D1	1	2.00	-	-	2.00			
			_		<u> </u>	Total	2.00	each	77.50	1
32	9.37	fan made out of 16 mm dia M with hooked ends in R.C.C. s laying including painting the e loop.	labs, bea	ams du	ring		1.00			
		Building		1.00		Total	1.00	each	97.00	
						- Total	1.00			
34	9.47	Providing and fixing aluminiur windows, ventilators and parti extruded aluminium standard section with minimum 1.5mm to IS: 733, IS: 1285 mitred an including aluminium cleats, ne stripping gasket beveled edge fixed in wall/ floor with fixing c or bolts and nuts as required shall be anodized transparent shade according to IS: 1868, coating shall be of grade AC- panelling to be paid for separa	tions ma sections thicknes d jointed eoprene beading lips or h aluminiu or dyed minimun 15. (Glaz	ade out s (main ss) con l mecha weathe g, screv old fast m secti to app n anodi	of forming anically er ws duly eners fons roved c					
	9.47.1	For Fixed Portion								
		W	1	6.00	-		6.00		├	
		V1	1	3.00	- 2.10 k		3.00 9.00	meter		
					2.10 K	<u>y ^</u>	18.90	kg	331	62
	9.49	Extra for Polyester powder co								
35	9.49	micron) aluminium sections in	steau oi	anouiz	eu.					

1	N. A.						T	r		T
10	TV	Providing and fixing glazi	ing in alumini	um aoo	r,					
	1	window, ventilator shutte	rs							
		and partitions etc. with P	VC/ neopren	e gaske	t etc.					
		complete. (Cost of								
36	9.53	aluminium snap beading	shall be paid	in basi	с					
		item):								···
		-								
		W	1	1.50		1.50	2.25			
		V1	1	0.90		0.60	0.54		708	1975.0
						Total	2.79	sqm.	/08	1975.0
-										
		Providing and laying vitri	fied floor tiles	with do	uble					
		charge/ multi charge prir	nting with wat	er abso	rption					
		less than 0.5% and conf	orming to IS :	15622	of					
		approved make in all col	ours and sha	des and	size					
39	12.13.1	mentioned below (+/- 10	mm), laid on	20mm t	hick					
		cement mortar 1:4 (1 ce	ment : 4 coar	se sand	n l					
		including grouting the joi	ints with white	cemen	tand					
		matching pigments etc.	complete: (Si	ze						
		600x600mm)								
		ROOM	1	3.00	3.00		9.00			10050.00
	<u> </u>	RUUM				Total	9.00	sqm.	1151	10359.0
		Painting on new work ( t	wo or more c	oats ) to	give					
40	14 22 2	an even shade with prer	nium syntheti	c ename	el					
40	14.22.2	panits.	-							
		grill					0.05			
		W	1	1.50		1.50	2.25			
		V	1	0.90		0.60	0.54	6.0M	47	131.00
						Total	2.79	sqm.		
									7	450054 70
									Total	159054.72
	AND A DECK		Adding 9% E	lectrific	ation I	Rs.				14314.93
			Grand							

R. T.

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

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

Name of work:- TOILET

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

S.N.	SOR	ITEM DESCRIPTION	NO		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								
		stuff upto 1.5 m lift and lead upto								
		50m (at least 5m away from the excavated area), including								
		dressing and leveling of pits.								
	1	In all types of soil								
			4	1.20	1.20	1.20				
			4	2.60	0.60	0.60				1074.00
						Total=	10.66	Cum	185.00	1971.36
2	2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
	1	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								
			4	0.50			0.60			
			4	0.20			0.48			
			4	0.30			0.72			
			8	2.60	0.300		6.24		100.00	4447.50
						Total=	8.04	Sqm	139.00	1117.56
	5	Columns, Pillars, Piers and likes-								
L		rectangular or square in shape	8	0.20		3.30	5.28			
H			8	0.20		3.30	7.92			
L				0.50		Total=	13.20	sqm	297.00	3920.40
	p s	Suspended floors, roofs, access blatform, balconies (plain surfaces) and shelves (cast in				Total=	10.20	3411	201.00	0020.10
-	s	itu)	1	3.00	3.00		9.00			
				0.00	0.00	Total=	9.00	sqm	235.00	2115.00
-	8 B	eams, lintels, cantilevers & walls	_			iotal=	9.00	əqn	200.00	2113.00
			16	2.60	0.300		12.48			
					_	Total=	12.48	sqm	202.00	2520.96

5	1.18	Providing and filling in the								
2		Providing and filling in plinth with								
		sand/ Crusher dust and hard								
		moorum under floor in layers not								
		exceeding 20cm in depth								
		consolidating each deposited laver								
		by ramming and watering,								
		including dressing etc. complete.								
		g a seeing eter complete.		1.00						
			4	1.20	1.20		0.58			_
			1	3.00	2.80	0.20	1.68			
						Total=	2.26	Cum	371.00	836.98
4	3.1	Providing and laying nominal mix				10(a)-	2.20	oum	071.00	000.00
		plain cement concrete with								
		crushed stone aggregate using								
		concrete miver in all works								
		concrete mixer in all works upto								
		plinth level excluding cost of form								
		work.								
	3	1:4:8 (1 cement : 4 coarse sand :								
		8 graded stone aggregate 40mm								
		nominal size).								
			4	1.20	1.20	0.10	0.58			
			4	2.60	0.60	0.10	0.62		_	
			1	2.60	2.60	0.10	0.68			
						Total=	1.88	Cum	2659.00	4988.28
5	1.17	Filling from available excavated				· · · · ·				-
		stuff (Excluding rock) in trenches,								
		plinth, sides of foundation etc. in								
		layers not exceeding 20cm in								
		depthconsolidating each deposited								
		layer by ramming and watering								
		with a leadupto 50 M. and lift upto								
		1.5 M.					10.00			
							10.66			
						Total=	10.66	Cum	65.00	692.64
6	3.2	Providing and laying nominal mix								
		reinforced cement concrete with								
		crushed stone aggregate using								
		concrete mixer in all works upto								
		plinth level excluding cost of form								
		work.					-			
	1	1:11/2:3 (1 cement : 11/2 coarse								
		sand : 3 graded stone aggregate								
		20mm nominal size).								
		COLUMN	4	1.10	1.10	0.25	1.21			
		FOOTING	4	0.50	0.50					
			4	0.20	0.30					
	ļ			2.60	0.30					
	ļ		4							
	ļ		4	2.60	0.20					-
	Ļ		4	0.20				1.1		
	ļ	SLAB	1	3.00	3.00					
			2	3.00	0.60	0.10	0.30	1		

11	ſ					_				
>			4	1.40	0.20	0.30	0.34			
/			2	3.10	0.20	0.30	0.37			
					_	Total=	5.98	Cum	4163.00	24907.23
7	3.4	Extra for laying PCC/RCC of any			-		0.00		97.50	
		grade in superstructure above					0.00	ouiii	01.00	
		plinth level for every floor or part								
		thereof in addition to rate for								
		foundation and plinth:		1						
8	3.12	Providing and placing in position								
		reinforcement for R.C.C. work								
		including straightening, cutting,								
		bending, binding etc. complete as								
		per drawings including cost of						0		
		binding wire in foundation and								
		plinth all complete:								
	1	Thermo-Mechanically treated bars								
		FE 415								
			1	100	5.98		598.30			
						Total=	598.30	kg	54.50	32607.35
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:								
	;	<sup>3</sup> Cement Mortar 1:6 (1 cement : 6								
		coarse sand)					4.05			
			4	2.60			1.25			
			3	2.60	0.20	3.30	5.15			
						Total=	6.40	Cum	3263.00	20870.1
10	3.	Providing and laying nominal mix								
		plain cement concrete with								
		crushed stone aggregate using								
		concrete mixer in all works upto								
		plinth level excluding cost of form	1							
		work.	<u> </u>							
		5 1:1½:3 (1 cement : 1½ coarse								
		sand : 3 graded stone aggregate 20mm nominal size).								
	-		2	3.00	1.50	0.10	0.90	<u></u>		
				0.00	1.50				4072.00	2005 -
	40.					Total=	0.90		4073.00	3665.7
11	12.	Providing and fixing ceramic								
		glazed wall tiles conforming to IS :								
		15622 of approved make, colours,				1				
		shades and size on wall and								
		dados over 12 mm thick bed of								
		cement Mortar 1:3 (1 cement : 3								
		coarse sand) and jointing with grey								
		cement slurry @ 3.3kg per sqm								
		including pointing in white cement								
		mixed with matching pigment								
		complete.	<b> </b>							
	2	Size above 200x300mm				1				

121			4	2.80		2.10	23.52	-		
p	-					Total=	23.52		597.00	12906 24
12	2 12.9	Providing and laying ceramic glazed floor tiles conforming to IS : 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints withwhite cement mixed with matching pigment etc., complete.					23.32	sqm	587.00	13806.24
	1	Size 300x300mm	1	3.00	3.00		9.00			
						Total=	9.00	sqm	692.00	6228.00
14	9.15	Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc. including applying a priming coat welded to frame with all necessary fitting complete including applying a priming of red oxide zinc chromate primer.								
		ventilator	2	12.00			24.00			
						Total=	24.00	Kg	67.50	1620.00
			_							
15		Providing and making 6mm thick cement plaster of mix In Cement mortar 1:4 (1 cement :		-						
		4 fine sand)	1	2.6	3.30		8.6			
			- 1			Total=	8.58	sqm	87.00	746.46
16		Providing and making 12mm thick cement plaster of mix In Cement Mortar 1:6 (1 cement :			-					
	4	6 fine sand)								
		o mic sandy	4	2.60		3.90	40.56			
						Total=	40.56	sqm	91.50	3711.24
17	4	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix: In Cement Mortar 1:6 (1 cement :								
ļ		6 fine sand)	4	3.00		3.30	39.60			
1			-4	5.00						
			-			Total=	39.60	sqm	107.00	4237.20
							1.5			

10				 1			T	T
6/1	14.51	Providing and applying 2mm thick						
1	l i	eady mix exterior grade						
		outty (manufactured with cow						
		dung processing ) on walls to						
		make the surface smooth aid						
		even.			00.74			
					88.74		101.00	8962.74
				Total =	88.74	sqm	101.00	0902.14
	14.49	Wall painting with			49.14	sqm	69.00	3390.66
	14.49	premium emulsion (plastic)						
		manufactured with the cow dung						
		processinh emulsion paint of						
		required shade to give an even						
1 1		shade						
$\vdash$	1	On new work (Two or more coats)						
							70.00	3128.40
	14.5	Painting exterior surface with			39.60	sqm	79.00	3120.40
1 1	11.0	SMOOTH exterior emulsion						
		paint manufactured with the						
		cow dung processing to give						
		protective and decorative finish						
		including cleaning washing of						
		surface etc. complete with:	 	 				
	1	On new work (Two or more						
		coats applied 1.43 ltr/ 10						
		sqm over	 	 				
22	8.141	Providing and fixing Stainless steel						
		"D" shape door handles made of 10mm dia rod with necessary						
		stainless steel screws etc						
		complete.						
		complete.						
		8.141.2 150 mm		Total=	2.00	nos	49.50	99.00
23	8.58	Providing and fixing bright finished						
	0.00	brass butt hinges with brass						
		polished						
		MS screws complete:					045.00	400.00
		8.58.1 125x85x5.50 mm (Heavy		Tatala	2.00	nos	245.00	490.00
		Type)	 	 Total=				
24	8.143	Providing and fixing stainless steel						
		hanging door stopper with						
		necessary						
		stainless steel screws complete.	 	 Total=	2.00	nos	47.00	94.00
	1	Single			2.00	1103		

PVC door shutters of specified thickness made of styles and rails of a UPVC hollow section of specified size 59x24 mm and wall thickness 2 mm ± 0.2 mm with inbuilt edging 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.   28.149.1 24 mm thick door shutters 1   1   1.00   2.10   2.10     2   8.149.1 24 mm thick door shutters with styles and rails of size 59x24 mm side   1   1.00   2.10   2.10   5037.90     TOTAL= 151765.45	5	8.149	Providing and fixing factory made	:					 	[]
with styles and rails of size 59x24 mm side Total= 2.10 sqm 2399.00 5037.90			thickness made of styles and rails of a UPVC hollow section o specified size $59x24$ mm and wal thickness 2 mm $\pm$ 0.2 mm with inbuilt 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 stee screws.	F 1 1 1 1 1 1				2.40		
Total= 2.10 sqm 2399.00 000100		2	with styles and rails of size 59x24		1.00	2.10		2.10		
TOTAL= 151765.45			mm side				Total=	2.10		
		 							TOTAL=	151765.45

Asstt. Engineer

Municipal Corporation Korba (C.G.)

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Sub Engineer Municipal Corporation Korba (C.G.)

### PART - B -SANITATION WORK

1 75 mm 10.00 each 154.00   2 110 mm 10.00 each 154.00 1540.0   3 Vent covel 4.00 each 34.00 136.0	43 8		PART - B -SANITATION WORK				r			
PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required complets, including required complets, including water disert and pipe.   15.00   meter 182.00   2730.00     175 mm dia pipe.   1 15.00   15.00   meter 267.00   10680.00     2 110 mm dia pipe.   1 40.00   40.00   meter 267.00   10680.00     2 18.1 Providing and fixing water closet squatting pan (Indian type W.C. pan ),100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistem (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :   2   each 1605.00   3210.00     3 White Orissa pattern W.C. pan of size 550x400mm   2   each 1605.00   3210.00     3 White Orissa pattern W.C. pan of size 550x400mm   2   each 1605.00   3210.00     4 18.77 Providing and fixing vitreous china wash basin with C.L brackets, 32 mm C.P. brass waste of standard pattern, Including painting of patcets, cutting and making good the walls wherever required :	1									
having '3.2mm' wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc complete.   15.00   metre 182.00   2730.00     175 mm dia pipe.   1 15.00   15.00   metre 287.00   10680.00     2 110 mm dia pipe.   1 40.00   40.00   metre 287.00   10680.00     2 18.1   Providing and fixing water closet squatting pan (Indian type W.C. pan ).100mm sand cast Iron P or S trap. 10 life low level P.V.C. flushing cistem (same colour) conforming to IS : 7231. with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :   2   each 1605.00   3210.00     3 18.17   Providing and fixing vitreous china wash basin with C.L brackets, 32 mm C.P. brass waste of standard patern, including pating of brackets, cutting and making good the walls wherever required :   2   each 1605.00   3210.00     4 18.77   Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 5382 leaving 10 mm gap for thermal expansion.										
conforming to IS : 13592 (4kg/sqcm) including required couplers.joining with seal ring conforming to IS : 5382 leaving 10 mg ap for thermal expansion etc complete.     15.00     metr 182.00     2730.00       175 mm dia pipe.     1 40.00     40.00     metr 267.00     10680.00       2 110 mm dia pipe.     1 40.00     40.00     metr 267.00     10680.00       2 18.1     Providing and fixing water closet squatting pan (Indian type W.C. pan ),100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush berd and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :     2     each 1605.00     3210.00       3 18.17     Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of stadard pattern, including painting of brackets, cutting and making good the walls wherever required :     2     each 1605.00     3210.00       4     18.77     Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings / accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 5382 leaving 10 mm gap for thermal expansion.     1     1     1       1     Tee/ Tee with door/ Bend 45?/ Leaving 10 mm gap for thermal expansion.     2.00     each 113.00     226.00       1     Tee/ Tee with door/ Bend 45?/ Leaving 10 mm     2.00     <										
4kg/sqcm   including required couplers, joining with seal ring conforming to IS: 532 leaving 10 mm gap for thermal expansion etc complete.   15:00   metre   182:00   2730.00     1   75 mm dia pipe.   1   15:00   metre   267:00   10680.00     2   18:1   Providing and fixing water closet squatting pan (Indian type W.C. pan ), 100mm sand cast Iron P or S trap, 10 liter low level P.V.C. flushing cistern (same colour) conforming to IS : 723!, with flush bend and other fittings and flutres complete including outling and making good the walls and floors wherever required :   2   each   1605.00   3210.00     3   18.17   Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard patern, including outling of brackets, cutting and making good the walls wherever required :   2   each   1605.00   3210.00     4   18.77   Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 5382 leaving 10 mm gap for thermal expansion.   1   1   113.00   228.00     1   Tee/ Tee with door/ Bend 45*7										
couplers,jointing with seal ring conforming to IS : 5382 leaving 10 m gap for thermal expansion etc complete.     115.00     metre     182.00     2730.00       2     110 mm dia pipe.     1     140.00     40.00     metre     2827.00     10680.00       2     18.1     Providing and fixing water closet squatting pan (Indian type W.C. pan, )100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistem (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :     2     each     1605.00     3210.00       3     18.17     Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :     2     each     1605.00     3210.00       4     18.77     Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.     2     each     113.00     226.00       1     Tee/ Tee with door/ Bend 45°/ Leaving 10 mm gap for thermal expansion.     2.00     each     113.00     226.00       1     Tee/ Tee with door/ Bend 45°/ Leaving 10 mm			g							
conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc complete.     115.00     16.00     metre     182.00     2730.00       1 17 mm dia pipe.     1 40.00     40.00     metre     267.00     10680.00       2     18.1     Providing and fixing water closet squating pan (Indian type W.C. pan ).100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistem (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :     2     each     1605.00     3210.00       3     White Oriss pattern W.C. pan of size 580x440 mm     2     each     1605.00     3210.00       3     18.17 Providing and making good the walls wherever required :     2     each     1605.00     3210.00       4     18.77 Providing and making good the walls wherever required :     2     each     1605.00     3210.00       4     18.77 Providing and fixing on wall face UV stabilized Unplasticed - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conformi										
mm gap for thermal expansion etc complete.     meter     273.00       175 mm dia pipe.     1 15.00     115.00     meter     182.00     2730.00       2     110 mm dia pipe.     1 40.00     40.00     meter     287.00     10680.00       2     18.1 Providing and fixing water closet squatting pan (Indian type W.C. pan ).100mm sand cast Iron P or S trap. 10 litre low level P.V.C. flushing cistem (same colour) conforming to 15: 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :     2     each     1605.00     3210.00       3     18.17 Providing and fixing vireous china wash basin with C.J. brackets, 32 mm C.P. brass waste of standard pattern, including paining of brackets, cutting and making good the walls wherever required :     2     each     1605.00     3210.00       4     18.77 Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 13592 (heav			conforming to IS : 5382 leaving 10							
complete.     1     1     1     1     1     0     1     1     2     2     2     7     0     1			mm gap for thermal expansion etc							
1 175 mm dia pipe.     1 15.00     15.00     1680     10680.00       2 110 mm dia pipe.     1 40.00     40.00     mete     267.00     10680.00       2     18.1 Providing and fixing water closet     2     each     2899.00     5798.00       2     18.1 Providing and fixing water closet     2     each     2899.00     5798.00       5     trap, 10 litre low level P.V.C.     flushing cistern (same colour)     2     each     2899.00     5798.00       wherever required:				6						2720.00
2   110 mm dia pipe.   1   40.00   Heave   207.00   150780.00     2   18.1 Providing and fixing water closet squatting pan (Indian type WC. pan ).100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :   2   each   2899.00   5798.00     3   White Orissa pattern W.C. pan of size 580x440 mm   2   each   1605.00   3210.00     3   18.17 Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :   2   each   1605.00   3210.00     4   18.77 Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.   2.00   each   113.00   226.00     1   Tee/ Tee with door/ Bend 45°/ Bend 90°   2.00   each   113.00   226.00     1   75 mm   4.00   6.00   each   136.00   154.00     1   75 mm   0.00   6.00   each   136.00 <td< td=""><td></td><td>1</td><td></td><td>1</td><td>15.00</td><td></td><td></td><td></td><td></td><td></td></td<>		1		1	15.00					
2   18.1   Providing and fixing water closet squatting pan (Indian type W.C. pan ),100mm sand cast fron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :   2   each 1605.00   3210.00     3   White Orissa pattern W.C. pan of size 580.440 mm water of brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :   2   each 1605.00   3210.00     4   18.77   Providing and fixing or wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.   2.00   each 113.00   226.00     1   Tee/ Tee with door/ Bend 45°/ E1 Bend 90°   2.00   each 113.00   226.00     1   Tee vice with door/ Bend 45°/ E1 Bend 90°   2.00   each 113.00   226.00     3   Vent covel   4.00   each 34.00   136.00				1	40.00					
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 :	2						2	each	2899.00	3730.00
pan ),100mm sand cast fron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :   2   each 1605.00     3 White Orissa pattern W.C. pan of size 580x440 mm   2   each 1605.00   3210.00     3 I8.17 Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :   2   each 1605.00   3210.00     4   18.77 Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.   2.00   each 113.00   226.0     1   Tee/ Tee with door/ Bend 45°/ Bend 90°   2.00   each 113.00   226.0     1   Tee/ Tee with door/ Bend 45°/ Bend 90°   4.00   each 113.00   226.0     1   Tee/ Tee with door/ Bend 45°/ Bend 90°   4.00   each 143.00   226.0     1   Tee/ Tee with door/ Bend 45°/ Bend 90°   4.00   each 143.00   226.0	-		squatting pan (Indian type W.C.							
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     3 18.17 Providing and fixing vitreous china     wash basin with C.I. brackets, 32     mm C.P. brass waste of standard     pattern, including painting of     brackets, cutting and making good     the walls wherever required :     1 White Oval or round size     550x400mm.     4 18.77 Providing and fixing on wall face     UV stabilized Unplasticised – PVC     moulded fittings/ accessories     having 3.2mm wall thickness for     Rigid PVC pipes conforming to IS :     13502 (heavy) jointing with seal     ring conforming to IS :     13502 (heavy) jointing with seal     ring conforming to IS :     13502 (heavy) jointing with seal     ring conforming to IS :     13502 (heavy) jointing with seal     ring conforming to IS :     13502 (heavy) jointing with s			pan ).100mm sand cast Iron P or							
Image: starting in the second start			S trap. 10 litre low level P.V.C.							
Image: conforming to IS: 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :   Image: complete including cutting and making good the walls and floors wherever required :     Image: complete including cutting and making good the walls and floors wherever required :   Image: complete including pattern W.C. pan of size 580x440 mm   Image: complete including pattern W.C. pan of size 580x440 mm   Image: complete including pattern W.C. pan of size 580x440 mm   Image: complete including pattern including pattern including pattern including pattern good the walls wherever required :   Image: complete including pattern good the walls wherever required :   Image: complete including pattern good the walls wherever required :   Image: complete including pattern good the walls wherever required :   Image: complete including pattern good the walls wherever required :   Image: complete including pattern good the walls wherever required :   Image: complete including pattern good the walls wherever required :   Image: complete including pattern good the walls wherever required :   Image: complete including pattern good the walls wherever required :   Image: complete including pattern good the walls wherever required :   Image: complete including pattern good the walls wherever required :   Image: complete including pattern good the walls wherever required :   Image: complete including pattern good the walls wherever required :   Image: complete including pattern good the walls wherever required :   Image: complete including pattern good the walls wherever required :   Image: complete including pattern good the walls wherever req			flushing cistern (same colour)							
bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :   3     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 wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :   2   each   1605.00   3210.00     4   18.77 Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.   2.00   each   113.00   226.0     1   Tee/ Tee with door/ Bend 45°/ Bend 90°   2.00   each   113.00   226.0     1   Tee/ Tee with door/ Bend 45°/ Bend 90°   4.00   each   154.00   154.00     1   Tee/ Tee with door/ Bend 45°/ Bend 90°   4.00   each   154.00   154.00     1   Tee/ Tee with door/ Bend 45°/ Bend 90°   4.00   each   154.00   154.00     1   Tee/ Tee with door/ Bend 45°/ Bend 90°   6.00   each   154.00   154.00   154.00   154.00   154.00 <td< td=""><td></td><td></td><td>conforming to IS : 7231, with flush</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>			conforming to IS : 7231, with flush							
Image: complete including cutting and making good the walls and floors wherever required :   Image: complete including cutting and making good the walls and floors wherever required :     Image: complete including pattern W.C. pan of size 580x440 mm   Image: complete including pattern with the complete state			bend and other fittings and fixtures							
making good the walls and floors wherever required :   Image: Constant of the second			complete including cutting and							
wherever required :     wherever required :     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 wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :     2     each 1605.00     3210.00       4     18.77 Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 5382 leaving 10 mm gap for thermal expansion.     4     18.77 Providing on IS : 5382 leaving 10 mm gap for thermal expansion.     4     113.00     226.00       1     Tee/ Tee with door/ Bend 45°/ Bend 90°     4     10.00     each 113.00     226.00       3     Vent covel     4     4.00     each 34.00     136.00			making good the walls and floors							
size 580x440 mm     2     each     1605.00     3210.00       3     18.17 Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :     2     each     1605.00     3210.00       1     White Oval or round size 550x400mm.			wherever required :							
3   18.17   Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :   1   White Oval or round size 550x400mm.     4   18.77   Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 5382 leaving 10 mm gap for thermal expansion.   1   Tee/ Tee with door/ Bend 45°/ Bend 90°   2.00   each 113.00   226.00     1   Tee/ Tee with door/ Bend 45°/ 2110 mm   0   0   0   0   0     3   Vent covel   0   0   0   0   0   0   0     1   Tee/ Tee with door/ Bend 45°/ 2110 mm   0   <		:	White Orissa pattern W.C. pan of							
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 :			size 580x440 mm	-		 	2	each	1605.00	3210.00
mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :   image: constraint of the standard pattern, including painting of brackets, cutting and making good the walls wherever required :     1   White Oval or round size 550x400mm.   image: constraint of the standard pattern, including painting of standard pattern, including pattern, pat	3	18.1	Providing and fixing vitreous china							
pattern, including painting of brackets, cutting and making good the walls wherever required :   Image: Constraint of the second of the seco			wash basin with C.I. brackets, 32							
brackets, cutting and making good the walls wherever required :   Image: state of the s			mm C.P. brass waste of standard							
Image: the walls wherever required :   Image: the walls wherever required :     Image: the walls wherever required :   Image: the walls wherever required :     Image: the walls wherever required :   Image: the walls wherever required :     Image: the walls wherever required :   Image: the walls wherever required :     Image: the walls wherever required :   Image: the walls wherever required :     Image: the walls wherever required :   Image: the walls wherever required :     Image: the walls wherever required :   Image: the walls wherever required :     Image: the walls wherever required :   Image: the walls wherever required :     Image: the walls wherever required :   Image: the walls wherever required :     Image: the walls wherever required :   Image: the walls wall the wall the walls wall the walls wall the walls wall			pattern, including painting of							
1   White Oval or round size			brackets, cutting and making good							
4   18.77   Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.   Image: Conference of the seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.     1   Tee/ Tee with door/ Bend 45°/ Bend 90°   Image: Conference of the seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.   Image: Conference of the seal ring conforming to IS : 5382 leaving 10 mm gap for the seal ring conforming to IS :			the walls wherever required i							
4   18.77   Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.   Image: Conference of the seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.     1   Tee/ Tee with door/ Bend 45°/ Bend 90°   Image: Conference of the seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.   Image: Conference of the seal ring conforming to IS : 5382 leaving 10 mm gap for the seal ring conforming to IS :						 				
4   18.77   Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.			White Oval or round size							
UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.			550x400mm.							
UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.	4	18.77	Providing and fixing on wall face							
moulded fittings/ accessories     having 3.2mm wall thickness for     Rigid PVC pipes conforming to IS :     13592 (heavy) jointing with seal     ring conforming to IS : 5382     leaving 10 mm gap for thermal     expansion.     1   Tee/ Tee with door/ Bend 45°/     Bend 90°   2.00 each 113.00 226.0     1 75 mm   10.00 each 154.00 1540.0     3   Vent covel     1 75 mm   4.00 each 34.00 136.0			UV stabilized Unplasticised - PVC							
Rigid PVC pipes conforming to IS :   13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.   Image: Conforming to IS : 5382 leaving 10 mm gap for thermal expansion.     1   Tee/ Tee with door/ Bend 45°/ Bend 90°   Image: Conforming to IS : 5382 leaving 10 mm gap for thermal expansion.     1   Tee/ Tee with door/ Bend 45°/ Bend 90°   Image: Conforming to IS : 5382 leaving 10 mm gap for thermal expansion.     1   Tee/ Tee with door/ Bend 45°/ Bend 90°   Image: Conforming to IS : 5382 leaving 10 mm gap for thermal expansion.     2   10 mm   Image: Conforming to IS : 5382 leaving 10 mm gap for thermal expansion.     3   Vent covel   Image: Conforming to IS : 5382 leaving 10 mm gap for thermal expansion.     3   Vent covel   Image: Conforming to IS : 543.00     1   75 mm   Image: Conforming to IS : 543.00     1   75 mm   Image: Conforming to IS : 543.00			moulded fittings/ accessories	1						
Rigid PVC pipes conforming to IS :   13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.   Image: Conforming to IS : 5382 leaving 10 mm gap for thermal expansion.     1   Tee/ Tee with door/ Bend 45°/ Bend 90°   Image: Conforming to IS : 5382 leaving 10 mm gap for thermal expansion.     1   Tee/ Tee with door/ Bend 45°/ Bend 90°   Image: Conforming to IS : 5382 leaving 10 mm gap for thermal expansion.     1   Tee/ Tee with door/ Bend 45°/ Bend 90°   Image: Conforming to IS : 5382 leaving 10 mm gap for thermal expansion.     2   10 mm   Image: Conforming to IS : 5382 leaving 10 mm gap for thermal expansion.     3   Vent covel   Image: Conforming to IS : 5382 leaving 10 mm gap for thermal expansion.     3   Vent covel   Image: Conforming to IS : 543.00     1   75 mm   Image: Conforming to IS : 543.00     1   75 mm   Image: Conforming to IS : 543.00			having 3.2mm wall thickness for							
ring conforming to IS : 5382   leaving 10 mm gap for thermal expansion.   leaving 10 mm gap for thermal expansion.     1   Tee/ Tee with door/ Bend 45°/ Bend 90°   2.00 each 113.00 226.0     1 75 mm   10.00 each 154.00 1540.0     2 110 mm   10.00 each 34.00 1540.0     3   Vent covel   4.00 each 34.00 136.0     1 75 mm   6.00 each 90.50 543.0			Rigid PVC pipes conforming to IS :							
Ieaving 10 mm gap for thermal expansion.     Image: mail of the mail expansion.     Image: mail of the mail expansion.       1     Tee/ Tee with door/ Bend 45°/ Bend 90°     2.00     each 113.00     226.0       1     75 mm     10.00     each 154.00     1540.0       2     110 mm     10.00     each 34.00     1540.0       3     Vent covel     4.00     each 34.00     136.0       1     75 mm     6.00     each 90.50     543.0			13592 (heavy) jointing with seal							
Ieaving 10 mm gap for thermal expansion.     Image: mail of the mail expansion.     Image: mail of the mail expansion.       1     Tee/ Tee with door/ Bend 45°/ Bend 90°     2.00     each 113.00     226.0       1     75 mm     10.00     each 154.00     1540.0       2     110 mm     10.00     each 34.00     1540.0       3     Vent covel     4.00     each 34.00     136.0       1     75 mm     6.00     each 90.50     543.0			Iring conforming to IS : 5382							
1     Tee/ Tee with door/ Bend 45°/ Bend 90°     2.00     each     113.00     226.0       1     75 mm     10.00     each     154.00     1540.0       2     110 mm     10.00     each     154.00     1540.0       3     Vent covel     4.00     each     34.00     136.0       1     75 mm     6.00     each     90.50     543.0										
1     Bend 90°     2.00     each     113.00     226.0       1     75 mm     10.00     each     154.00     1540.0       2     110 mm     10.00     each     34.00     1540.0       3     Vent covel     4.00     each     34.00     136.0       1     75 mm     6.00     each     90.50     543.0			expansion.			 				
Bend 90     2.00     each     113.00     226.0       1     75 mm     10.00     each     154.00     1540.0       2     110 mm     4.00     each     34.00     136.0       3     Vent covel     4.00     each     34.00     136.0       1     75 mm     6.00     each     90.50     543.0		4								
1 75 mm   10.00   each   154.00   1540.0     2 110 mm   10.00   each   154.00   1540.0     3 Vent covel   4.00   each   34.00   136.0     1 75 mm   6.00   each   90.50   543.0						 	2.00	eac	h 113.0	0 226.00
2 110 mm     2     2     10 mm     4.00     each     34.00     136.00 <td></td> <td></td> <td></td> <td></td> <td></td> <td> </td> <td></td> <td>_</td> <td>_</td> <td></td>						 		_	_	
1 75 mm 6 00 each 34.00 136.0						 			-	
1 75 mm 6 00 each 90.50 543.0				-		 	4.0	) eac	h 34.0	0 136.00
6 Nahani trap 110x75mm						 		_		
		6	Nahani trap 110x75mm							

Ent								
LIST	19.4	Providing and fixing Chlorinated						
1		Polyvinyl Chloride (CPVC) pipes,						
		having thermal stability for hot &						
		cold water supply including all						
		CPVC plain &						ľ
		brass threaded fittings i/c fixing the						
		pipe with clamps at 1.00 m						
		spacing.						
		This includes jointing of pipes &						
		fittings with one step CPVC						
		solvent						
		cement and testing of joints						
		complete as per direction of						
		Engineer in					110.00	3300.00
		Charge. 15 mm nominal outer dia .Pipes.		5	30.00	metre	110.00	2985.00
		25 mm nominal outer dia . Pipes.			15.00	metre	199.00	3252.00
	3	25 mm norminal outer dia .1 ipee.			12.00	metre	271.00	3252.00
		32 mm nominal outer dia .Pipes. Providing and fixing 15 mm						
e	6 19.13	Providing and fixing 15 mm nominal bore Brass bib/stop cock						
		of approved quality:					185.00	1110.00
		Bib cock (250 grams)			6.00	each	103.00	
	7 19.14	Providing and fixing 15 mm						
1 '	13.17	nominal bore C.P. brass fittings of						
		approved make and conforming to						
		IS:8931 including C.P. brass						
		extension if required:			 2.00	each	494.00	988.00
	e	Stop cock (concealed) (600 grams						706.00
		Piller Cock (400 grams)			2.00	each	398.00	796.00
	4	Piller Cock (400 grains)						
	8 19.13	Providing and fixing 15 mm nominal bore Brass bib/stop cock						
		of approved quality:			 4.00	each	382.00	1528.00
		Bib cock (400 grams)			 4.00		455.00	1820.00
	2	Long nose bib cock (500 grams)			 4.00	each	455.00	612.00
	9 19.15	Providing and fixing stainless steel			12.00	each	51.00	012.00
		drain jali of approved						
		make/guality.			 			
10	19.16	Providing and fixing brass/ gun						
		metal date valve with C.I. wheel of						
		approved quality (screwed end):						
		of use naminal bara	 		 2.00	each	436.00	
		25 mm nominal bore			 2.00	each	510.00	1020.00
	2	32 mm nominal bore.				L		

100	19.51	Constructing manager of	-	-	Carlos Carlos	the second s	the second second second second	the second s	No. of Concession, Name	Country of the state of the sta
1 are	10.01	Constructing masonry Chamber 60x60x75 cm, inside with modular			1		2.00	each	4356.00	8712.00
		well burnt clay bricks of 35 kg/ cm <sup>2</sup>								
		in cement mortar 1:4 (1 cement : 4								
		coarse sand) for fire hydrants, with								
		C.I. surface box 350x350 mm top								
		and 165 mm deep (inside) with								
		chained lid and RCC top slab 1:2:4								
		mix (1 cement : 2 coarse sand : 4								
		graded stone aggregate 20 mm								
		nominal size) necessary								
		excavation foundation concrete								
		1:5:10 (1 cement : 5 fine sand:10						ñ.		
		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 :								
		Ũ								
1	3 19.4	<sup>42</sup> Providing and placing on terrace					1000.00	litre	7.30	7300.00
		(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.							OTAL	
									FOTAL =	59158.00
							1	OTAL	-	210923.45

Ásstt.<sup>1</sup> Engineer Municipal Corporation Korba (C.G.)

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Sub Engineer Municipal Corporation Korba (C.G.)