### कार्यालय, नगर पालिक निगम, कोरबा (छत्तीसगढ़)

फा.क. 179/ निर्माण/2023

सिस्टम टेंडर नं. 144945

कोरबा दिनांक 19.08.2023

ई-निविदा आमंत्रण सूचना

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

* *	11 -131							2.5
1	<b>क</b> .	कार्य का नाम	प्राक्कलन	धरोहर राशि	कार्यावधि	निविदा प्रतिभागी	ठेकेदार का	निविदा खुलने
	7.		राशि(लाख में)	(FDR/TDR)		शुल्क (DD)	वर्ग	की तिथि
	1	वार्ड क 13 परिवहन नगर में स्थित सतनाम भवन के समीप सामुदायिक भवन का निर्माण		75000.00	6 माह	3000.00	वर्ग डी एवं प्रवर श्रेणी	12.09.2023
		कार्य						

शर्तः-

निविदा दरे प्रचलित सी.एस.आर.से कम या अधिक प्रतिशत दरों पर दिया जावे सी.एस.आर.के अंतर्गत के आयटमों पर पृथक से 1. आयटम दरों का उल्लेख करने पर निविदा निरस्त मानी जावेगी।

जिन ठेकेदारों द्वारा नगर पालिक निगम (साडा) के किसी ठेके के कार्य में अनुबंध के अनुरूप कार्य न किया गया हो अथवा नगर 2.

पालिक निगम (साडा) के हित के विरुद्ध कार्य किया गया हो उन्हें निविदा भरने की पात्रता नहीं होगी।

इच्छुंक ठेकेदारों को उचित वर्ग में पंजीयन की प्रमाणित प्रतिलिपि यदि साझेदारी फर्म हो तो उसका प्रमाण पत्र (पाटर्नरशीप 3. डीड) की सत्य प्रतिलिपि, उपलब्ध तकनीकी अमले 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 ड्राफ्ट एवं धरोहर राशि FDR/TDR, शपथपत्र का रकेन कापी ऑन लाईन सिस्टम पर अपलोड करना अनिवार्य होंगा ।

• अमानत राशि का वैध FDR/TDR, निविदा प्रतिभागी शुल्क का DD एवं शपथ पत्र की मूल प्रति लिफाफा में कार्य का नाम एवं अन्य विवरण अंकित कर केवल स्पीड पोस्ट/रजिस्टर्ड डाक के माध्यम से निविदा खुलने की तिथि में दोपहर 3.00 बजे तक आयुक्त,नगर पालिक निगम,कोरबा साकेत भवन, आई.टी.आई.चौक रामपुर 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 आमंत्रण दिनांक के पश्चात का, निविदा कमांक 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 संधारण मद को 4. छोड़कर शेष कार्यों में 5 प्रतिशत परफार्मेंस सिक्यूरिटी की गारंटी के रूप में से 03 वर्ष के लिए रोकी जावेगी।

जिन निविदाकारों द्वारा कर्मचारी भविष्य निधि संगठन एवं कर्मचारी राज्य बीमा निगम, रायपुर से पंजीयन कराकर कोड प्राप्त कर

लिया हो वे निविदाकार ही निविदा हेतु पात्र होंगे।

निविदा में भाग लेने वाले ठेकेदारों को छ.ग. भवन और अन्य सिन्नर्माण कर्मकार (नियोजन एवं सेवा शर्तों का विनियमन ) अधिनियम 1996 एवं तद्अंतर्गत निर्धारित नियमों के तहत् पंजीयन कराना आवश्यक होगा तथा निर्माण लागत का **1 प्रतिशत** उपकर के रूप में प्रत्येक देयक से कटौती की जावेगी।

ईंट से संबंधित निर्माण कार्यों में फ्लाई एश ब्रिक का उपयोग किया जाना अनिवार्य होगा। 7.

प्रयुक्त लोहा का बिल एवं टेस्ट रिपोर्ट तथा प्रयुक्त सीमेंट का बिल संलग्न करना अनिवार्य होगा।

- निविदा दरों असामान्य कमी प्रतीत होने पर सफल निविदा दाता से अनुबंध के पूर्व एस.ओ.आर. एवं निविदा दर की अंतर की राशि के समतुल्य परफारमेंस गारंटी के रूप में राष्ट्रीयकृत बैंक एफ.डी.आर., पोस्ट ऑफिस, टाईम डिपॅाजिट अथवा एन.एस.सी. र्जा कि आयुक्त नगर पालिक निगम, कोरवा के नाम पर देय होगा जो गांग तिथि से 15 दिवस के भीतर जमा करना अनिवार्य हौगा। उपरोक्त राशि समयावधि में जमा न करने की दशा में निविदा स्वमेव निरस्त मानी जावेगी।
- निविदा अहरतांतरणीय होगा एवं सशर्त निविदाओं पर विचार नही किया जावेगा। 10.

निविदा प्रपन्न फार्म –ए की कंडिका 11 अनुसार एरकलेशन देय नहीं होगा। 11.

निविदा के संबंध में किसी प्रकार की विवाद होने की स्थित में आयुक्त का निर्णय अंतिम एवं सर्वमान्य होगा। 12.

निविदा रवीकत करने अथवा अरवीकत करने अथवा निरस्त करने का अधिकार नगर पालिक निगम के पास सुरक्षित रहेगा। 13.

उपरांक्त निर्विदा सुवना की विरत्तत प्रति नगर पालिक निगम, कोरवा के साकेत भवन स्थित निर्माण शाखा से प्राप्त किये जा 14. सकते है।

> कार्यपार्<del>ट्जी अ</del>धियंता अनगर पार्लिक-निगम कौरवा (छत्तीसगढ़)

प्रतिलिपि-

#### Date-Time Detail(s)

Seq.		Contractor Stage	Start	, , , , , , , , , , , , , , , , , , ,	Expir	у	Remarks
No.	Nagar Nigam Stage	Contractor Stage	Date	Time	Date	Time	
1	Release Tender		19.08.2023	15.00	19.08.2023	15.00	Release Tender
2		Bid Submission	19.08.2023	15.00	11.09.2023	17.30	
3		Physical Document Submmission	19.08.2023	17.00	12.09.2023	15.00	
4	Tender Open		12.09.2023	16.00			

EXECUTIVE ENGINEER

LICORDA (CG)

For, Commissioner Korba (C.G.)

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

y of work:- Construction of community bhawan for Satnami community at Nagar ,Nagar palik nigam korba (c.g.)

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

SOR Ref.	ITEM DESCRIPTION	NO	L	В	D/H	QTY	UNIT	RATE	AMOUNT
1.1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including								
	disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m								
	away from the excavated area), including dressing and leveling of								
	column c1	39	2.00	2.00	1.80	280.80			
	c2	11	1.80		1.50	53.46			
	wall	2	24.00		0.80	23.04			
	wan	2	8.20		0.80	7.87			
-		8	4.40			16.90			
-		2	13.40	1		12.86			
		6	4.80			13.82			
		2	9.00			8.64			
		10	3.80			13.68			
		2	2.00			1.44			
		4	1.20			1.73			
	nine line drainage	1	50.00	0.60		18.00			
	pipe line drainage		30.00	0.00	Total	452.24	Cum	185.00	83665
	Extra for every additional lift of 1.5 m or part thereof. 1.6.1 All types of soils	39	2	2	0.3	46.80		26.50	1240
	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its								
á	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	39	4	1.80	0.30	84.24			
	column c1	39	4	1.00	0.50	78			
	column below plinth	39	2	0.20	1.80	28.08			
	column below plinter	39	2	0.40		56.16			
		11	2	0.20	1.80	7.92			
		11	2	0.30	1.80	11.88			
p	olinth beam	2	2	24.00	0.30	28.8			
1		2	2	8.20	0.30	9.84			
		8	2	4.40	0.30	21.12			
		2	2	13.40	0.30	16.08			
		10	2	3.80	0.30	22.8			
		2	2	2.00	0.30	2.4			
		2	2 2	1.20 5.00	0.30	2.88			The Control of the Co
							-		
		2			Total	376.20	Sqm	139.00	52291.8

	1	Column	<b>-</b>	*	-		THE RESIDENCE PROPERTY OF THE PERSON NAMED IN COLUMN 2	new winnerscore	no quinto distributi di sommina di sono	
	3	Columns, Pillars, Piers and likes-	-							
	-	rectangular or square in shape								
	-		39	1.40		2.90	158.3	4	Se et Ministrius Styrinkers stallet i Listori	
	, marie		11	A STATE OF THE PROPERTY OF THE PARTY OF THE	A commercial and the control of the	2.90		A CONTRACTOR OF THE PARTY OF TH		
	· Marie		39		A CONTRACTOR OF THE PARTY.	0.90	A DESCRIPTION OF THE PROPERTY	eta-Parmakenimonescom		
	mostre		11	1.00		0.90		or an among sector	297.00	74036.10
			-			Tota	249 28	3 sqn	297.00	74030.10
		Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)								
-		slab	1	557.00	1.00	0	557.00			
		chajja	12	2.40	0.60		17.28	3		
in	e Northead of States					Total	574.28	sqn	235.00	134955.8
-	8	Beams, lintels, cantilevers & walls								
		lintel beam vertical	.4	24.00		0.30	28.80			
			4	8.20		0.30	9.84			
			16	4.40		0.30	21.12			
	ana di mandri di manusa n		4	13.40	-	0.30	16.08			
			20	3.80		0.30	- AND RESIDENCE OF THE PERSON NAMED IN COLUMN 2 IS NOT THE PERSON	1		
				2.00		0.30		-		
			4			0.30	COMMUNICATION OF STREET, STREE		-	
		horizontal	8	1.20			6.00			
			4	5.00		0.30				
			24	2.00		0.10	4.80			
_			4	0.30		0.35				
		chajja	4	0.20		0.35	0.28			
	-		16	24.00		0.35	134,40			
		slab beam_vertical	4	8.20		0.35	11.48			
-		Sidd Death Vertees	20	4 40		0.35	30.80			
	-		12	13 40		0.30	48.24			
			4	3.80		0.35	5.32			
			8	4.80		0.35	13.44			
				2.00		0.45	3.60			
			4			0.45	1.08			
		horizontal	2	1.20						
			10	5.00		0.45	22.50			
			2	8.20		0.45	7.38			
			10	8.20		0.45	36.90			
						Total	430.56	sqm	202.00	86973.12
		Stair cases of all types excluding spiral and folded plate type, including risers and landings			4					
-			4	2.45	1.50		14.70			
			44	1.50	0.15		9.90			
			4	7.20	1.50		43.20			
			4	2.40	1.50		14.40		000.00	40000 00
		Providing and filling in plinth with sand/ Crusher dust and hard	1			Total	82.20	sqm	230.00	18906.00
		moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including								
		column c1	39	2.00	2.00	0.15	23.40	$\dashv$		
_		c2	11	1.80	1.80	0.15	5.35			
		wall		24.00	0.60	0.15	4.32			

		2	8.20	0.60		1.4			
		8	4.40		1				-
		2	13.40	0.60					
		10	3.80	0.60	1	3.42			ļ
-		2	2.00	0.60		0.30			
	•	4	1.20	0.60		0.43			
		6	4.80	0.60		2.59			
		2	9.00	0.60		1.62			
		2	5.00	0.60		0.90		<u> </u>	-
pi	ipe line drainage	1	50.00	0.60		4.50			ļ
flo	oor	1	24.00	8.20		118.08			
-		2	4.40	6.10		32.2			-
		2	4.50	3.10		16.74			
		2	4.50	3.80		20.52			
		2	8.00	1.50		14.40			
		1	24.00	1.80		25.92			
		2	8.00	4.40		42.24		074.00	100001
					Total	324.05	Cum	371.00	120224.
	Providing and laying nominal mix								
	lain cement concrete with crushed								
	tone aggregate using concrete								1
	nixer in all works upto plinth level excluding cost of form work.						1		
	:3:6 (1 cement : 3 coarse sand : 6						-		
	graded stone aggregate 40mm								
ls lr	nominal size).		-						
	column c1	39	2.00	2.00	0.10	15.60			
	22	11	1.80	1.80	0.10	3.56			
v	wall	2	24.00	0.60	0.10	2.88			
	· · ·	2	8.20	0.60	0.10	0.98			
		8	4.40	0.60	0.10	2.11			
		10	13.40 3.80	0.60	0.10 0.10	1.61 2.28			
$\longrightarrow$		2	2.00	0.60	0.10	0.24			
-+		6	4.80	0.60	0.10	1.73			
-+		2	9.00			1.08			
$\overline{}$		4	1.20	0.60	0.10	0.29			
		2	5.00	0.60	0.10	0.60			
	pipe line drainage	1	50.00	0.60	0.10	3.00			
	floor	1	24.00	8.20	0.10	19.68			
		2	4.40	6.10	0.10	5.37	_		
		2	4.50	3.10	0.10	2.79	_		
		2	4.50	3.80	0.10	3.42			
_		2	8.00	1.50	0.10	2.40			
		1	24.00	1.80	0.10	4.32			
		2	8.00	4.40	0.10	7.04			
- 1							<b> </b>		
,							<b>  </b>		
1					1				
							'		
					Total	90.09	Cum	2070.00	0.105.15.5
1.17	Filling from available excavated stuff				Total	80.98	Cum	2970.00	240516.5
1.17	Filling from available excavated stuff (Excluding rock) in trenches,				Total	80.98	Cum	2970.00	240516.5
1.17	(Excluding rock) in trenches, plinth, sides of foundation etc. in		- 2		Total	80.98	Cum	2970.00	240516.5
1.17	(Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in		-		Total	80.98	Cum	2970.00	240516.5
1.17	(Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depthconsolidating each deposited		-		Total	80.98	Cum	2970.00	240516.54
1.17	(Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in				Total	80.98		2970.00	240516.54

Providing and laying nominal mix							I	T
einforced cement concrete with				22				
crushed stone aggregate using								
concrete mixer in all works upto					-			
plinth level excluding cost of form								
1:11/2:3 (1 cement : 11/2 coarse sand :							-	
3 graded stone aggregate 20mm								
nominal size).								
column c1	39	1.80	1.80	0.30	37.91			
	39	1	1	0.5	19.50			-
column below plinth	39	0.30	0.40	1.80	8.42			
column c1	11	1.50	1.50	0.30	7.43			
	11	0.7	0.7	0.5	2.70			
column below plinth	11	0.20	0.30	1.80	1.19			
plinth beam	2		0.30	0.30	4.32			
	2	8.20	0.30	0.30	1.48			
	8		0.30	0.30	3.17			
	2	13.40	0.30	0.30	2.41			-
	10	3.80	0.30	0.30	3.42			
	2	2.00	0.30	0.30	0.36			
1	4		0.30	0.30	0.43			
	2	5.00	0.30	0.30	0.90			
column up to lintel	39	0.30	0.40	2.40	11.23			
	11	0.20	0.30	2.40	1.58			
lintel beam	2	24.00	0.20	0.30	2.88			
	2	8.20	0.20	0.30	0.98			-
	8		0.20	0.30	2.11			
	2	13.40	0.20	0.30	1.61			
	10	3.80	0.20	0.30	2.28			-
	2	2.00	0.20	0.30	0.24			-
	4	1.20	0.20	0.30	0.29	_		
	2		0.20	0.30	0.60			
chajja	12	2.00	0.80	0.10	1.92			
column up to ground floor slab	39		0.40	0.80	3.74			ļ
	11		0.30	0.80	0.53			
slab beam	2		0.20	0.35	3.36			ļ
	2	8.20 4.40	0.20	0.35	1.15			-
	8	13.40	0.20	0.35	2.46			
	10	3.80	0.20	0.35	1.88 2.66			-
	6	4.80	0.20	0.30	1.73			-
	2	2.00	0.20	0.35	0.28			-
	4	1.20	0.20	0.35	0.28			-
	2	5.00	0.30	0.45	1.35			
	1	8.20	0.30	0.45	1.11	-		-
	5		0.30	0.45	5.54	-		-
slab		560.00	1.00	0.15	84.00	-		
stair waist slab	4	7.45	1.50	0.15	6.71			
	22	1.50	0.30	0.15	1.49			
landing	4	3.20	1.50	0.15	2.88			
plate form	24	3.00	0.60	0.10	4.32			
	39	0.30	0.40	0.90	4.21	$\rightarrow$		
	11	0.20 5.50	0.30	0.90	0.59			
		0.50	4.50	0.15	7.43	_		
	2		0.40	2 001	~ ~ ~ '			
	8	0.30	0.40	3.00	2.88	$\dashv$		
			0.40 0.20 0.20	3.00 0.30 0.30	2.88 1.20 1.08			

		Providing and placing in position	T		Π	Т		1	I	
	ė.	reinforcement for R.C.C. work			1	1		1		
		including straightening, cutting,		ļ		İ				-
		bending, binding etc. complete as			ĺ			1		
		per drawings including cost of				1				
	16	binding wire in foundation and plinth				ļ		+-		
	1	Thermo-Mechanically treated bars		202.25		<del> </del>	28847.83	+		
			110	262.25		Total		-	54.50	1572206.74
	7.5	Brick work with modular fly-ash lime	-							
	7.5	bricks (FaLG Bricks) confirming to								
		IS:12894-2002 of class designation		1	. 0					
		4.0 in foundation and plinth in:								
Γ	3	Cement Mortar 1:5 (1 cement : 5								
		coarse sand)		_						
1	17	plinth beam	2							
ı	n,		2		0.30			_		
			8		0.30					
Ī	21		2		0.30		4.82	_		
	7		10		0.30		6.84			
	-		2		0.30			_		
1			<u>*</u> 6		0.30		5.18 3.24			
			2	9.00	0.30		0.86			
			4		0.30	0.60	1.80			
			2	5.00	0.30	0.60	39.60	_	3350.00	132660.00
						Total	39.00	Cum	0000.00	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1	super :	structure 7.5.3+7.6		24.00	0.20	2.90	27.84			
1			2	24.00 8.20	0.20	2.90	9.51			
			8	4.40	0.20	2.90	20.42			
			2	13.40	0.20	2.90	15.54			
- 1			10	3.80	0.20	2.90	22.04			
			2	2.00	0.20	2.90	2.32			
			6	4.80	0.20	2.90	16.70			
			2	9.00	0.20	2.90	10.44			
			4	1.20	0.20	2.90	2.78			
			2	5.00	0.20	2.90	5.80			
			1	24.00	0.20	0.90	4.32			
			2	4.00	0.20	0.90	1.44			
			2	4.50	0.20	0.90	1.62			
			2	13.50	0.20	0.90	4.86			
			1	32.00	0.20	0.90	5.76	$\rightarrow$		
			2	9.00	0.20	0.90	3.24			
		mumty	4	5.00	0.20	2.80	11.20	$\rightarrow$		
			4	4.50	0.20	2.80	10.08	$\rightarrow$		
				<del></del>		Total	-2.40 173.52	Cum	3471.00	602207.02
10	7.0	Extra for brick work in superstructure				Total	0.00		3471.00 121	602287.92
10	7.6	above plinth level for every floor or	ı				0.00	Cuili	121	
		part thereof in addition to rate for					1			
		foundation and plinth:			l			- 1		
11	3.1	Providing and laying nominal mix	$\neg$							
		plain cement concrete with crushed					,		1	1
		stone aggregate using concrete		- 1	l				1	1
		mixer in all works upto plinth level excluding cost of form work.		- 1	1	- 1			1	
		positioning cost of form work.								

	-									
		1:11/2:3 (1 cement : 11/2 coarse sand :	- 1	1	I					
		3 graded stone aggregate 20mm	- 1	1	I	l				
	1	nominal size).						-		
			2	35.00	1.20	0.10	8.40			
	ς.		2	19.20	1.20	0.10	4.61			50004.50
	5	731				Total	13.01	Cum	4073.00	52981.58
		Providing and laying vitrified floor tiles with double charge/ multi charge printing with water absorption less than 0.5% and conforming to IS: 15622 of approved make in all colours and shades and size mentioned below (+/- 10mm), laid on 20mm thick cement mortar 1:4 (1 cement: 4 coarse sand) including								
		grouting the joints with white cement				1				
P		and		1						
2	, a	matching pigments etc. complete						-		
	1	Size 600x600mm			0.50		206.55	-		
			1	24.30	8.50		60.16	_		
			2	4.70	6.40		32.64	_		
			2	4.80	3.40		39.36	_		
			2	4.80	4.10		81.00	-		
			2	9.00	4.50		48.00	_		
			1	24.00	2.00 1.70		64.60	_		
			4	9.50	1.70		04.00			
						Total	532.31	sqm	1151.00	612688.81
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				Total	002.01			
	12.1	4 Extra for providing and laying vitrified floor tiles with 2-5mm grove in between the tiles including grouting the grove with water resistant epoxy compound or with white cement and approved pigments etc.								
		Size 600x600mm					532.31	sam	54.00	28744.74
_ 「							332.31	34111	34.00	
13	12	2.7 Providing and fixing ceramic glazed wall tiles conforming to IS: 15622 of approved make, colours, shades and size on wall and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching								
		2 Size above 200x300mm	20	3.80		2.10	159.60			
1			4	-		2.10	37.80			
			4	-		2.10	16.80			
1			8	-		2.10	30.24			
1	-		2			0.90	18.36			
	-									
						Total	262.80	sqm	646.00	169768.80

			action of the last	are continuous services		New Alleria Constitution Consti		-		
	ī	Providing and laying ceramic glazed							=	
		floor tiles conforming to IS: 15622 of	1			i				
	1	approved size, make, colour, shade		}				1		
		laid on 20 mm thick Cement Mortar				1			ł	
	1	1:4 (1 cement : 4 coarse sand)	1	1				1	}	
	100	114 (1 Cerricit : 4 Coarse sairty		1						
		including pointing the joints withwhite						1	1	
		cement mixed with matching	- Approximate to the control		- August and a second	- Partitude and the second	00.00			
	1	Size above 300x300mm	10		2.00		36.00	A SALES OF PERSONS ASSESSED.		
	Named Control of the O	Secretary Management and Committee of Commit	2	4.80	4.50		43.20			
			1	8.00	6.00		48.00			
	-				A MARKET AND DESCRIPTION	o citizana managana di salah				
			-egs@colinitiecom	-		Total	127.20	sqm	728.00	92601.60
,	Julia.		- Salartainettantiin	- Marie Management of the Control		Total	127.20	ogiii		
	12.45	15 mm thick Table rubbed polished								
1.		Granite stone slab flooring laid over				ľ l				
		20mm (Average) thick base of								
		cement mortar 1:4 (1 cement : 4								
	,	coarse								
		sand) laid and jointed with grey								
		cement slurry including rubbing and		1						
- 1		polishing etc. complete. (Area of slab								
		should be 0.50 sqm and above)								
		should be 0.50 sqrit and above)	-							
100	1			4.50	0.30		19.80			
		stair	44				9.90			
8			44		0.15		9.00			
12			4		1.50		The second secon			
			2		1.65		10.89			
			2	2.00	1.65		6.60			
-			16	7.20	0.30		34.56			
-		door	12	6.20	0.30		22.32			
-		4001	12		0.30		4.32			
<b> </b> -		window	12		0.30		25.92			
-		Wildow	1	-	0.75		7.65			
-					0.15		3.06			
			<del></del> 6		0.60		3.60	,		
				1.00						
						Total	157.62	sqm	4200.00	662004.00
					1	=	107.02	54		
						<del></del>		$\overline{}$		
16	9.15	Providing and fixing M.S. grill of			1	1		- 1	1	
		approved pattern made of M.S. flats					1		1	
		or square or round bars welded to				- 1	1		1	
		steel frame of windows etc. including				- 1			- 1	
		applying a priming coat welded to				- 1	1	- 1	- 1	
		frame with all necessary fitting				1	1	- 1		
		complete including applying a				1	ı			
		priming of red oxide zinc chromate			- 1					
		primer.								
				120.00			1440.00			
			12	100.00			1200.00			
						Total	2640.00	Kg	67.50	178200.00
						=				
1										
18	11.1	Providing and making 6mm thick								
		cement plaster of mix								1
1		In Cement mortar 1:3 (1 cement : 3		-						
	2				- 1	- 1	- 1		1	
	2	,		1						
	2	fine sand)		FF7 60	4.65					
		fine sand) slab		557.00	1.00		557.0			
		fine sand)	2	7.45	1.50		22.4			
	2	fine sand) slab stair waist slab	2 11	7.45 1.50	1.50 0.30		22.4 5.0			
	2	fine sand) slab	2	7.45	1.50		22.4			

			3	3.00	0.60	ī	5.4	1	1	
	-					Total	The second secon		93.00	59573.94
	2	Providing and making 12mm thick cement plaster of mix								
	4	In Cement Mortar 1:5 (1 cement : 5 fine sand)								
	_	line sand)	1	24.5		4.5	110.25	5		
	_	-	2		-	4.5		_	-	
			2		1	4.5				
			1	+		4.5	The second secon			
			1			1.1	26.95			
			2		-	1.1	8.80			
	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		2			1.1	29.70			
	V 1 223		1	32		1.1	35.20			
	· IIDaz T	-				Total	512.40	sqm	96.50	49446.60
7		Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:								
		In Cement Mortar 1:5 (1 cement : 5 fine sand)								
ł			4	24.00		3.30	316.80			
	DE LINE		4	8.20		3.30	108.24			
1	-2		16	4.40		3.30	232.32			
N	QU.		4	13.40		3.30	176.88			
	O.		20	3.80		3.30	250.80			
3			4	2.00		3.30	26.40			
8			12	4.80		3.30	190.08			
5			4	9.00		3.30	118.80	-		
	ē.			1.20		3.30	31.68			
8			8	5.00		3.30	66.00			
100			4			1.10	52.80	-		
			2	24.00		1.10	8.80	-		
			2	4.00			9.90	-		
			2	4.50		1.10	29.70			
- 1			2	13.50		1.10				
1			1	32.00		1.10	35.20	<u> </u>		
			2	9.00		1.10	19.80		440.00	189184.60
- 1						Total	1674.20	sqm	113.00	109104.00
	-	11.8 Providing and making 18mm thick cement plaster in two coats with under layer of 12mm thick plaster 1:5 (1 cement : 5 fine sand) and top layer of 6mm thick with cement plaster 1:3 (1 cement : 3 fine sand)	6			,				
ł			1	24.5		4.5	110.25	sqm	167.00	18411.75
21	ı	Providing and applying 2mm thick ready mix exterior grade putty (manufactured with cow dung processing ) on walls to make the surface smooth aid even								
ŀ							2937.43			
ŀ						Total	2937.43	sqm	101.00	296680.43
ŀ										
L										

						-				
	1	Wall painting with premium			1		2314.78	sqm	69.00	159719.82
		emulsion (plastic)				1	1	1	1 1	
		manufactured with the cow dung			1	1	1		1	
		processinh emulsion paint of		1					1	
		required shade to give an even							1 1	
	100	shade On new work (Two or more coats)				-		-		
		Painting exterior surface with				-				· · · · · · · · · · · · · · · · · · ·
	14.5	SMOOTH exterior emulsion								
		paint manufactured with the cow								
	-8	dung processing to give protective							1	
		and decorative finish including					İ			
	188	cleaning washing of surface etc.								
		complete with:					l		1	
L										
	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	On new work (Two or more coats					000.05		70.00	49189.35
							622.65	sqm	79.00	49109.33
6	8,138	Providing and fixing stainless steel door latch with 12mm rod, 2.5mm								
		,		1						
	n.	thick flap, necessary stainless steel screws etc complete.			}					
4		screws etc complete.								
	2	250mm					11.00			
3						Total	11.00	nos	85.00	935.00
27	9 130	Providing and fixing stainless steel				Total	11,00	1103		
27	6.133	tower bolts (Barrel type) with		_					l l	
100		necessary stainless steel screws etc								
		complete.								
45.	3	150 x10mm				Total	35.00	nos	57.50	2012.50
28	8.141	Providing and fixing Stainless steel								
- 1		"D" shape door handles made of								
		10mm dia rod with necessary								
		stainless steel screws etc complete.								
1		8.141.2 150 mm				Total	18.00	nos	49.50	891.00
29	8.58	Providing and fixing bright finished								
		brass butt hinges with brass polished								
		MS screws complete:								
		8.58.1 125x85x5.50 mm (Heavy				Total	33.00	nos	245.00	8085.00
30	Q 1A	8.58.1 125x85x5.50 mm (Heavy 3 Providing and fixing stainless steel				, 5101	33.00			
30	0.14	hanging door stopper with necessary								
	1	stainless steel screws complete.								
_		1 Single				Total	18.00	nos	47.00	846.00
35	14.2	2 Painting on new work (two or more			,					
1	-	coats) to give an even shade with:  2 Premium synthetic enamel paint	18	2.40	2.40		103.68			
	-	2 Fremium Synuleuc enamei paint	18	1.00	1.20		21.60	-		
1			2	3.00			14.40			
1				3.00		Total	139.68	sam	47.00	6564.96
<u> </u>	İ			L		· Otal	100.00	24111	77.00	0004.00

		Providing and fixing flush door								
	′	shutters, core of block board								
	1	construction				1				
	ţ	with frame of first class hard wood					1	l		
	4	and well matched first class Indian				}				
	1	teak					-	1		
		ply veneering on one face and				1		1		1
		commercial ply veneering on the other face				1		1		-
		of the shutter with vertical grains,						1		i i
		cross bands and face veneering				1		1		1
	- 37 4	.14.1 40 mm. thick (single leaf)	14	1.10		24	20.24	-	2024.00	05770.50
	- 0	(Single lear)	- 17	1.10		2.1	32.34	sqm	2034.00	65779.56
								+-	<del> </del>	
-	8.149	Providing and fixing factory made						1	<del>                                     </del>	
		PVC door shutters of specified								
		thickness made of styles and rails of					1	1	(2)	
		a UPVC hollow section of specified								
		size 59x24 mm and wall thickness 2 mm ± 0.2 mm with inbuilt edging						l		
9		onboth sides. The styles and rails								1
33		mitred and joined at the corners by								
W	6	means of M.S. galvanised/ plastic						l		
7		brackets of size 75x220 mm having							1	
	-	wallthickness 1.0 mm and stainless steel screws.								
		sieer screws.							'	
= 1	- 2	2 8.149.1 24 mm thick door shutters	10	0.80	2.10		16.80			
		STATE OF THE STATE OF		0.00	2.10	Total	16.80	-	2399.00	40303.20
16	9.2	Structural steel work riveted or								
		bolted or welded in built-up								
		sections,trusses and frames work					-			
		upto a height of 5m above plinth level, includingcutting, hoisting, fixing					3200.00	kg	66.00	211200.00
		in position and applying a priming	*1							1
		coat of red oxidezinc chromate								
		primer.								
36	8.167	3 8.167 Providing and fixing factory								
		made uPVC white colour sliding glazed door								
		comprising of uPVC multi-								
	1	chambered frame with in-built roller								
	1	track and sash '								
	1	extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild			-					
		steel					7			
		section made from roll forming								
		process of required length (shape &								
1		size according to								
		uPVC profile), appropriate dimension uPVC extruded glazing beads, uPVC								
1		extruded								
		interlock and uPVC extruded Inline								
	9.47	7.1 Three track three panels sliding door		1.80		1.80	51.84	sqm	6232.85	323110.94
1		with fly proof S.S wire mesh (Two								
	1	nos. glazed F. 3 <tone mesh="" no.="" panels)<="" td="" wire=""><td></td><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td></tone>		4						
		made of (big series) frame 116 x 45								
	1	mm 8 aaah 46 x 92						- 1	ı	i

									*:
1	Providing and fixing glazing in				-				
j.	aluminium door, window, ventilator	- 1							
1	shutters						-	İ	·
	and partitions etc. with PVC/	1						1	
V.	neoprene gasket etc. complete.	- 1						l	
20	(Cost of	- 1							
	aluminium snap beading shall be			2				İ	
	paid in basic item):	1				~			
	With float glass panes of 6 mm	16	1.80	1.80		51.84			
	thickness								
					Total	51.84	sqm	804.00	41679.36
					=				
, miles									
10.61	10.61 Providing and fixing at all								
	height false ceiling consisting of							1	
	frame work "W"	- 1							
-	/ "U" / "L" sections made of G.I.	1							
1000	sheet with zinc coating of grade 120								
	consisting of angle cleats of size								
V.	25mm wide x 1.6mm thick with								
1	flanges of								1
1	22mm and 37mm at 1200mm centre						1	1	
1	to centre one flange fixed to the								
1	ceiling with dash fastener 12.5mm						1	1	
1	diax40mm long with 6mm dia bolts						1	l	
1	to								
	the angle hangers of 25x25x0.55mm							ł	
	of required length, and other end of								
	angle hanger being fixed with nut							l	
	and bolts to G.I. channels					,			
1	45x15x0.9mm							1	
	running at the rate of 1200mm								
	centre to centre to which the ceiling					1		İ	
	section 0.5mm thick button wedge of 80mm								
	with tapered flanges of 26mm each								
1	having clips of 10.5mm at 450mm								
1	centre to centre shall be fixed in a								
1	direction perpendicular to G.I.								
	channel with connecting clips made		1						
	out of								
	2.64mm diax230mm long G.I. wire at								
	every junction including fixing the		-		195				
	gypsum board with ceiling section	1							
_	and perimeter channels 0.55mm	12	555.00	1.00		666.00			
-		1.2	333.00	1.00		666.00	sgm	658.00	438228.00

	, 52.5°						
	Providing and fixing steel grid for false ceiling made from M.S. rectangular hollow tubes of 50x25x1.25mm (wall thickness) as main runners to be jointed to cross runners of same size by electric arc welding with spacing not exceeding 610x610mm in any direction. The frame to be screwed to the wall using wooden plugs and wood screws of size 50x8mm at an interval of not more than 300mm centre to centre. The grid to be supported using 6mm M.S. hanger bars at 1200mm centre to centre both ways bent, hooked, fixed to existing R.C.C. roof with fastner or to the truss						
15	as the case may be and bolted to the grid with the help of suitable M.S.						
遺	grid with the help of suitable wild.	-+	 	1350.00	kg	101.00	136350.00
40 9.57	Providing stainless steel railing/ grill made of S.S. flats, hollow S.S. pipe or square/ rectangular sections of approved design fixing in stair case, balcony or other places with metal fasteners and stainless steel bolts						
<i></i>	etc ISS Grade 204			120.00	kg	467.00	56040.00
7	33 Graue 204					TOTAL	0400040 40
						IOIAL=	8192340.10

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

## FFICE OF THE MUNCIPAL CORPORATION, KORBA(C.G.) DETAILED ESTIMATE

#### JATION WORK

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

2   110 mm dia pipe.   1   110,00   110,00   metre   267.00   29370.	_	PART - C -SANITAION WORK				. 01 2010,			
pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion 175 mm dia pipe. 180.00 1110.00 meter 267.00 29370. 175 mm dia pipe. 1110.00 1110.00 meter 267.00 29370. 181 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 3 White Orissa pattern W.C. pan of size \$50x440 mm 184 Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and Iid, 10 litre low level white P.V.C. flushing cistern (same lab.) and sah basin with C.J. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :  1 Coloured Size \$50x450 mm 18.77 Providing and fixing with seal ring conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.  1 Teef Tee with doorf Bend 457 Bend for the providing and fixing Chlorinated 175 mm 40.00 each 154.00 7700.0 each 175 mm 50.00 each 154.00 7700.0 each 175 mm 6 Nahani trap 110x75mm 20.00 each 90.50 1810.0 each 20.00 each 90.50 1810.0 each 20.00 each 90.50 1810.0 each 20.00 each 90.50 1810.0 each 20.00 each 90.50 1810.0 each 20.00 each 90.50 1810.0 each 20.00 each 90.50 1810.0 each 20.00 each 90.50 1810.0 each 20.00 each 90.50 1810.0 each 20.00 each 90.50 1810.0 each 20.00 each 90.50 1810.0 each 20.00 each 90.50 1810.0 each 20.00 each 90.50 1810.0 each 20.00 each 90.50 1810.0 each 20.00 each 90.50 1810.0 each 20.00 each 90.50 1810.0 each 20.00 each 90.50 1810.0 each 20.00 each 90.50 1810.0 each 20.00 each 90.50 1810.0 each 20.00 each 90.	18.7	6 Providing and fixing on wall face UV		ПТ		1	T	T	T
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10 mm gap for thermal expansion   1 80.00   80.00   metre   182.00   14560   2110 mm dia pipe   1 80.00   80.00   metre   182.00   14560   2110 mm dia pipe   1 110.00   1110.00   metre   267.00   29370				1 1	1	1	-	i	-
10 mm gap for thermal expansion   1 80.00   80.00   metre   182.00   14560     2   110 mm dia pipe.   1   110.00   110.00   metre   267.00   29370     181   Providing and fixing water closet squatting pan (Indian type W.C. pan ),100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS: 7231, with flush bend and other fittings and fixtures complete including cutting and making good   3   White Orissa pattern W.C. pan of size 580x440 mm   184   Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same P.V.C. flushing cistern (same the p.V.C. flushing cistern (same p.V.C. flushing of brackets, cutting and making good the walls wherever required:   10   each   1605.00   16050.	Land Control				1				
1 75 mm dia pipe.					i	1			
18.1 Providing and fixing water closet squatting pan (Indian type W.C. pan ), 100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS: 7231, with flush bend and other fittings and fixtures complete including cutting and making good  3 White Orissa pattern W.C. pan of size 580x440 mm  18.4 Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same  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 Coloured Size 550x450 mm  18.77 Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fitings/ accessories having 3 2 mm wall thickness for Rigid PVC pipes conforming to IS: 13592 (heavy) jointing with seal ring conforming to IS: 3532 leaving 10 mm gap for thermal expansion.  1 Teef Tee with door/ Bend 45º/ Bend and a sum of the marked plastics of the marked plastics of 175 mm  5 0.00 each 113.00 5650.0 1810.0 194 Providing and fixing Chlorinated			1	80.00		80.0	0 metre	182.00	14560.0
squatting pan (Indian type W.C. pan),100mm sand cast Iron P or S trap, 10 litre low level P.V.C. (Bushing cistern (same colour) conforming to IS: 7231, with flush bend and other fittings and fixtures complete including cutting and making good  3 White Orissa pattern W.C. pan of size 580x440 mm  18.4 Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same  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 Coloured Size 550x450 mm  18.77 Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2 mm 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'T ee with door/ Bend 45"/ Bend one 175 mm  5 0.00 each 113.00 5650.00 each 154.00 7700.00 representation of the providing and fixing Chlorinated 194 Providing and fixing Chlorinated 194 Providing and fixing Chlorinated 194 Providing and fixing Chlorinated 194 Providing and fixing Chlorinated 194 Providing and fixing Chlorinated 194 Providing and fixing Chlorinated 194 Providing and fixing Chlorinated 195 Provided Providing and fixing Chlorinated 195 Providing and fixing Chlorinated 195 Providing and fixing Chlorinated 195 Providing and fixing Chlorinated 195 Providing and fixing Chlorinated 195 Providing and fixing Chlorinated 195 Providing and fixing Chlorinated 195 Providing and fixing Chlorinated 195 Providing and fixing Chlorinated 195 Providing and fixing Chlorinated 195 Providing and Providing and Providing Providing Provided Providing Providing Providing Provided Provided Provided Provided Provided Provided Providing Provided Provided Provided Provided Provided Provided Provided Provided Provided Provided Provided Provided Provided Provi	Mr. Car	2 110 mm dia pipe.	1	110.00		110.0	0 metre	267.00	29370.0
),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  3 White Orissa pattern W.C. pan of size 580x440 mm  18.4 Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same  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 Coloured Size 550x450 mm  18.77 Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fitting's 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 one 175 mm  50.00 each 113.00 5650.00  2 110 mm  3 Vent covel 175 mm  40.00 each 34.00 1360.00  7 194 Providing and fixing Chlorinated	18.	1 Providing and fixing water closet					5 each	2899.00	14495.0
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  3 White Orissa pattern W.C. pan of size 580x440 mm  18.4 Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same  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 Coloured Size 550x450 mm  18.77 Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2 mm 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 one.  1 Tee' Tee with door/ Bend 45°/ Bend one.  2 110 mm  5 0.00 each 113.00 5650.0  3 Vent covel  1 75 mm  4 0.00 each 34.00 1360.0  6 Nahani trap 110x75mm  4 0.00 each 90.50 1810.0					1		1	l	
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mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required:  1 Coloured Size 550x450 mm  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.  1 Tee/ Tee with door/ Bend 45°/ Bend one 175 mm 50.00 each 113.00 5650.00 each 175 mm 50.00 each 154.00 7700.00 each 175 mm 40.00 each 34.00 1360.00 each 175 mm 40.00 each 90.50 1810.00 each 19.40 Providing and fixing Chlorinated	10.1				ı	1	1 1		
pattern, including painting of brackets, cutting and making good the walls wherever required:  1 Coloured Size 550x450 mm  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.  1 Tee/ Tee with door/ Bend 45°/ Bend on 175 mm  50.00 each 113.00 5650.00 ach 154.00 7700.00 ach 175 mm  40.00 each 34.00 1360.00 for Nahani trap 110x75mm  7 19.4 Providing and fixing Chlorinated	1				1	1	1 1		
brackets, cutting and making good the walls wherever required:  1 Coloured Size 550x450 mm  1 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.  1 Tee/ Tee with door/ Bend 45°/ Bend and and and and and and and and and a	1	* -1			1	1			
the walls wherever required:  1 Coloured Size 550x450 mm  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.  1 Tee/ Tee with door/ Bend 45°/ Bend and 175 mm  50.00 each 113.00 5650.00 each 154.00 7700.00 each 154.00 7700.00 each 175 mm  40.00 each 34.00 1360.00 each 19.50 1810.00 each	1			1	ı		1 1		
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.  1 Tee/ Tee with door/ Bend 45°/ Bend one 175 mm 50.00 each 113.00 5650.00 2 110 mm 50.00 each 154.00 7700.00 3 Vent covel 40.00 each 34.00 1360.00 6 Nahani trap 110x75mm 20.00 each 90.50 1810.00 719.4 Providing and fixing Chlorinated									
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.  1 Tee/ Tee with door/ Bend 45°/ Bend one 175 mm 50.00 each 113.00 5650.00 2 110 mm 50.00 each 154.00 7700.00 3 Vent covel 40.00 each 34.00 1360.00 6 Nahani trap 110x75mm 20.00 each 90.50 1810.00 719.4 Providing and fixing Chlorinated							1		
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.  1 Tee/ Tee with door/ Bend 45°/ Bend one 175 mm 50.00 each 113.00 5650.00 each 154.00 7700.00 each 154.00 7700.00 each 154.00 1360.00 each 154.0	10.5					-	-		
moulded fittings/ accessories having   3.2mm wall thickness for Rigid PVC   pipes conforming to IS : 13592   (heavy) jointing with seal ring conforming to IS : 5382 leaving 10   mm gap for thermal expansion.	18.7		l						
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 20° 50.00 each 113.00 5650.00 each 154.00 7700.00 each 154.00 7700.00 each 154.00 7700.00 each 175 mm 40.00 each 34.00 1360.00 each 19.4 Providing and fixing Chlorinated 19.4 Providing and fixing Chlorinated 19.5 each 154.00 each 154.00 1810.00 each 19.5 each 19.5 each 154.00 1810.00 each 19.5 each 19.5 each 1810.00 each 19.5 each 19.5 each 19.5 each 1810.00 each 19.5 each 19.5 each 19.5 each 1810.00 each 19.5 each 19.5 each 19.5 each 19.5 each 19.5 each 1810.00 each 19.5	1		- 1			1	1 1	1	
pipes conforming to IS : 13592   (heavy) jointing with seal ring conforming to IS : 5382 leaving 10   mm gap for thermal expansion.						1			
(heavy) jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion.       1         1 Tee/ Tee with door/ Bend 45°/ Bend one       50.00 each 113.00 5650.0         2 110 mm       50.00 each 154.00 7700.0         3 Vent covel       40.00 each 34.00 1360.0         6 Nahani trap 110x75mm       20.00 each 90.50 1810.0         7 19.4 Providing and fixing Chlorinated       7 19.4 Providing and fixing Chlorinated	1		1		1				
Conforming to IS : 5382 leaving 10 mm gap for thermal expansion.   1   Tee/ Tee with door/ Bend 45°/ Bend	1			1	ľ.	1	1 1	1	
mm gap for thermal expansion.   1   Tee/ Tee with door/ Bend 45°/ Bend				i	l		1 1	1	
1 Tee/ Tee with door/ Bend 45°/ Bend 50.00 each 113.00 5650.00 each 154.00 7700.00 2 110 mm 50.00 each 154.00 7700.00 3 Vent covel 40.00 each 34.00 1360.00 6 Nahani trap 110x75mm 20.00 each 90.50 1810.00 7 19.4 Providing and fixing Chlorinated	1								
1 75 mm 50.00 each 113.00 5650.00 2 110 mm 50.00 each 154.00 7700.00 3 Vent covel 40.00 each 34.00 1360.00 6 Nahani trap 110x75mm 20.00 each 90.50 1810.00 7 19.4 Providing and fixing Chlorinated	1					1		1	
3 Vent covel  1 75 mm  40.00 each 34.00 1360.0  6 Nahani trap 110x75mm  20.00 each 90.50 1810.0  7 19.4 Providing and fixing Chlorinated		1 75 mm				50.00	each	113.00	5650.00
1 75 mm 40.00 each 34.00 1360.0 6 Nahani trap 110x75mm 20.00 each 90.50 1810.0 7 19.4 Providing and fixing Chlorinated		2 110 mm				50.00	each	154.00	7700.00
1 75 mm 40.00 each 34.00 1360.0 6 Nahani trap 110x75mm 20.00 each 90.50 1810.0 7 19.4 Providing and fixing Chlorinated	3	Vent covel	$\dashv$				-		
6 Nahani trap 110x75mm 20.00 each 90.50 1810.0	-					40.00	each	34.00	1360.00
	6								1810.00
	7 19	0.4 Providing and fixing Chlorinated				-	-		
100.00 100.00 110.00 19800.00	-					180.00	metre	110.00	10900.00
	L	To the following of the first specific	- 1	1	ŧ,	1 100.00		110.00	19000.00

	3 25 mm nominal outer dia .Pipes.			85.00	metre	199.00	16915.00
	4 32 mm nominal outer dia ,Pipes.			130.00			
	13 Providing and fixing 15 mm nominal				$\vdash$		
	1 Bib cock (250 grams)			40.00	each	185.00	7400.00
19	Providing and fixing 15 mm nominal bore C.P. brass fittings of approved				1.		
	6 Stop cock (concealed) (600 grams			20.00	each	494.00	9880.00
	4 Piller Cock (400 grams)		-	10.00	each	398.00	3980.00
1	Long nose bib cock (500 grams)			10.00	each	455.00	4550.00
	Two way bib cock (800 grams)			10.00	each	708.00	7080.00
	Basin mixer pillar tap with spout (1000 grams)		7		each	1248.00	12480.00
	Wall mixer with elegant knob (1400 grams)			10.00	each	1787.00	17870.00
	Hand shower set with flexible extension pipe			10.00	each	754.00	7540.00
				10.00	each	248.00	2480.00
	Toilet paper holder			10.00	each	163.00	1630.00
	Soap dish plate			10.00	each	269.00	2690.00
	Shower rose (revolving type) (150mm)			20.00	each	338.00	6760.00
	Towel rail (600mm long x 20mm dia)	_		10.00	each	577.00	5770.00
100	cover of WC with flexible connection pipe						2040.00
10 19.1	5 Providing and fixing stainless steel drain jali of approved make/quality.			40.00	each	51.00	2040.00
11 19.1	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end):						
-	1 25 mm nominal bore	-		10.00	each	436.00	4360.00
-	2 32 mm nominal bore.			10.00	each	510.00	5100.00
12 19.5	Constructing masonry Chamber 60x60x75 cm, inside with modular well burnt clay bricks of 35 kg/ cm² in cement mortar 1:4 (1 cement : 4 coarse sand) for fire hydrants, with C.I. surface box 350x350 mm top and 165 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement : 5 fine sand:10 graded stone aggregate 40 mm nominal size) and inside plastering with			10.00	each	4356.00	43560.00

Providing and fixing white vitreous china urinal basin with waste fitting as per IS: 2556, and other couplings in C.P. brass complete:					
Flat back half stall urinal of size 460x380x250mm		6.00	each	1776.00	10656.00
19.42 Providing and placing on terrace (at all levels) polyethylene water storage tank ISI marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for		2000.00	litre	7.30	14600.00
fillings and the base support for				TOTAL =	355441.00

Say Rs.=

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

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

work:-Internal Electrification

an exhedule of rates public works department[PWD ELECTRICAL-01-06-2020] PART- B

i	R:Schedule of rates public works depa	МО	L	В	D/H	QTY	UNIT	RATE	AMOUNT
1.1	Wiring for light/ fan/ exhaust fan / call bell point with 3x1.5 sqmm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) with 5/6 amp piano type switch, phenolic laminated sheet, suitable size M.S. box etc as per specification and IS:								
	694 (2010), IS: 9537 (2000 Part 5)					120	Point	240.00	31200.00
Ch Chi	Short Point	130					Point		24440.00
1.3	Medium Point  Extra for providing and fixing light plug point on board in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) point wiring with piano type 3 pin 5/6 amp socket outlet and 5/6 amp switch including cost of phenolic laminated sheet and M.S. box etc. as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)	20	Year a			20.00	Point	87.00	1740.00
1.13	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, wire in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) as per specification and IS: 694 (2010), IS: 9537 (2000 Part					405.00	Matre	111.00	54945.00
4 42 2	2 3 X 2.5 sq. mm in 20mm conduit	3	165.00			495.00 396.00		145.00	57420.00
4.13.2	3 X 4 sq. mm in 25mm conduit	3	132.00			390.00	Mend	140.00	

									,	
	. 2	Installation, Testing and	1					1		
	TS	Supply, Installation, Testing and Commissioning of 1200 mm sweep,	- 1					1		
	10	commissioning of 1200 min sweep,	- 1							
	+50	- r ctor rated. Celling latt with	- 1					1		
	10.1	LIASS DIRECT COITER (DEDC)	- 1					1	1	
	E	Brush Less of insulation: B 3 nos	- 1					1	1	
	A	Motor, class of insulation: B, 3 nos.	- 1					1		
		lades 30 cm long down rod, 2 nos.	- 1							
	10	anopies, shackle kit, safety rope,	- 1					1		
	C	anopies, shadke kit, bates, rote	- 1							
	C	opper winding, Power Factor not	- 1					1		1
	110	than 0.9, Service Value	ı				.*.	1.		
	le le	CMM/W) minimum 6.85, Air delivery	- 1					l		
	(0	CMM/VV) Hillistiani oloo, 7 si dolloo, 9						1		
	ln	ninimum 215 CMM, 350 RPM						i		
	(1	tolerance as per IS: 374-2019),								
	T	HD less than 10%, remote or						1		
1		ectronic regulator unit for speed						1		
-	7 march 2 (827)									
	c	ontrol and all remaining						1		
	9	ccessories including safety pin, nut								
	· ·	olts, washers, temperature rise=75			l					
	95100			1						
	d	legree C (max.), insulation								
	T In	esistance more than 2 mega ohm,		1			1	1		
		suitable for 230 V, 50 Hz, single		1				ì		
. 10	27			1						
1 1 8		phase AC Supply, including		l	l			l		
18		connection, earthing etc. complete			1					
1	1	as per specification.						-	2662.00	85184.00
922	3		32				32	Each	2002.00	00101100
300		Supplying, installation, testing and						1		
歌						1 1		1		
		commissioning of following sizes			l			1		
15	1	heavy duty (continuous running)		20				1		
	- 1	1400 rpm exhaust fan in existing						l		
54				-				1		
100		opening in wall including earthing		1						
230	1	etc. complete as per specification.		1						
2	- 1	P.F. should be greater than 0.9							2076.00	39760.00
77		450 mm sweep	10				10	EACH	3976.00	33700.00
		450 min sweep								
5	6.15	Supplying, installation, testing and		ł	1	1 1				
	1	commissioning of following LED			l	l 1				
H 1		fitting (luminaries) Panel Light in		1						
-		round/ square shape complete with		1		1 1				
3		Tourid square shape complete		1						
-		electronic driver heat sink capacitor		1						
		and all other accessories on surface/				1 1				
		in false ceiling etc. as per				1				
		specification and P.F. should be		1	l	1				
		greater than 0.9. LED chip efficacy		1						
		greater than 0.5. LLD drip chicacy		1	1					
$\Box$		ratio ≥ 100 lumens /watt.	80	1			80.00	Each	588.00	47040.00
		12 Watt		-	-		80.00		679.00	54320.00
		15 Watt	80			-				19600.00
$\dashv$		6 Watt	40				40.00	Each	490.00	19000.00
	0.00	Supplying, installation, testing and							355.00	
	6.93	oupplying, installation, testing and		1	1					
1		commissioning of following LED		1	1		320.00	м		113600.00
1		Rope light complete as per		1	1		320.00			
		specification and IP65, P.F. should								
3-		be greater than 0.75								
¥	E 4	Supplying and fixing following piano								
	5.1			1	1					
	1	type switch, socket, other		1	1					
		accessories on the existing switch		1	1					
	1			1	l					
6		box/ cover including connections etc.			1					
6		box/ cover including connections etc. as per specification.	<b>4</b> 0	-		-			130.00	
6		box/ cover including connections etc. as per specification. 2 Fan regulator Electronic, step type	40				40.00	Each	130.00	5200.00
6	5.1.12	box/ cover including connections etc. as per specification. 2 Fan regulator Electronic, step type moving all round					40.00			5200.00
6	5.1.12 5.1.13	box/ cover including connections etc. as per specification. 2 Fan regulator Electronic, step type	40 40 60				40.00 40.00 60.00	Each Each	130.00 32.00 38.00	5200.00 1280.00 2280.00

	Carlo Carlo								
	providing and fixing following rating and breaking capacity MCCB in activities cubicle panel board including drilling holes in cubicle panel, making connections, etc. as per specification, IS/ IEC: 60947-2								
17.3	and lcs = 100 % lcu.  3 pole MCCB, 25-63A, Fixed Thermal Release, 10KA	20				20.00	Each	1483.00	29660.00
9,17	Supplying and fixing PVC water tight terminal box of approved make and brand with detachable gland plate in bottom, hinged front openable cover, rubber gasket, having 1 Nos 4way connector and 1 No SPMCB inside the box for cable connection, fixed to pole with 2 Nos clamp made from 25x3mm GI flat with 2 No GI nuts bolts complete as per specification.								
	300x200x125 mm for 3 phase	1				1.00	each	989.00	989.00
6.33	Supplying, fixing, testing and commissioning of approved make following 230/250 volts electronic ballast in existing luminaries at all locations as per specification. P.F. should be greater than 0.9		r d		4				
3	For 28 watt T5 flu. Fitting					50.00	each	367.00	18350.00
	Earth work in all type soil except soft rock / hard rock with all lead and 1.5 metre lift, dressing, stacking excavated strata including refilling of excavated soil in trench / pit to ground level complete as per		1.50	1.50	1.50	6.75	cum	162.00	1093.50
	specification.  Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal and salt as per specification and IS Code 3043: 1987(R 2016)	2				2.00	each	3243.00	6486.00
	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe, with charcoal and salt as per specification and IS Code 3043: 1987(R 2016)					1.00	each	3734.00	3734.00

and laying following sizes								
Supplying and laying following sizes		1			_			
			Ī	l	1		e*	
I LAND INCLE I VO SHEDINED I		1		- !	7 - 7			.*
annouled, aluminiumi			1	1	â			
1 aductor power cable of 1.1 KVI	- 1			1				
leade direct in ground as in the						1		
leame trench in one tier horizontal								
formation at a depth not less than 40	1	- 1			2.1			
cm and upto 90 cm including	- 1		1		_			
excavtion, sand cushioning,	1							
protective covering and refilling the	l	1						
trench etc as per specification, IS:								
1554 (1988, Part 1) / IS: 7098 (1988,								
Part 1).								
2 x 4 sq. Mm	1	50.00			50.00	Metre	175.00	8750.00
Supplying and laying 6 SWG G.I.								
wire at 0.50 metre below ground								
level for conductor earth electrode,	4	50.00			50.00	Motro		1800.00
including soldering, excavation and	,	50.00			50.00	Metre		1000.00
refilling the trench etc. as per								
specification.							36.00	
STATE OF THE PARTY		311		1 1 Sac	19	(	b)TOTAL =	608871.50
			THE REST	13 200	120	4 1970	Total=	9156652.60

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

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

### OF WORK :- CONSTRUCTION OF SEPTIC TANK AND SEWER

erates public works department[PWD BUILDING-01-01-2015]

je o	frates public works department[I		OILDING		,				****
R	DESCRIPTION	МО	L	В	D/H	QTY	UNIT	RATE	AMOUN'
能	xcavation for all types and sizes								
of	foundations, trenches and ains or for any other purpose								
dr	cluding disposal of excavated	1							
line	uff upto 1.5 m lift and lead upto								
sti	om (at least 5m away from the	1	İ						
番 ~	- La disconsistant disconsista								
1111	all types of soil	1	8.00	6.00	2.10	100.80			
		1	50.00	1.20	2.10	126.00			
-					Total=	226.80	Cum	185.00	41958
2 Pi	roviding and filling in plinth with								
	and/ Crusher dust and hard				- 1				
m	oorum under floor in layers not								
	xceeding 20cm in depth								
	onsolidating each deposited							1	
la	yer by ramming and watering,		0.00	6.00	0.10	4.80			
-		1	8.00 50.00	1.20	0.10	6.00			
-		<u>'</u>	30.00	1.20	Total=	10.800		371.00	4006.8
.1P	roviding and fixing formwork								
	ncluding centering, shuttering,				į			1	
s	trutting, staging, propping								
b	racing etc. complete and								
	oundations, footings, base of								
c	columns and plinth beam in any	-			- 0.00	2.00	-		
_		2	8.00 5.50		0.20	3.20 2.20			
-			5.50		Total=		Sqm	139.00	750.60
2/1	Wall of any thickness including				Total	0.40	04	100.00	700.00
	attached pilasters, buttresses								
r	•	4	7.00		1.80	50.40			
		8	3.50		1.80	50.40			
-		32	1.00		1.80	57.60	-		
_					Total=	158.40	Sqm	228.00	36115.2
1	suspended floor roofs	1	7.00	5.50		38.50			
		8	1.20	1.20		11.52			
					Total=	50.02	Sqm	235.00	11754.7
	Providing and laying nominal mix cement concrete with crushed								
	stone aggregate using concrete							1	
	mixer in foundation, plinth and at					1			
L	1:4:8 (1 cement : 3 coarse sand :	1							
	6 graded stone aggregate 40mm								
		1	8.00	6.00	0.10	4.80			
		1	50.00	1.00	0.10	5.00			

Noting and laying nominal mix forced cement concrete with forced cement concrete with forced cement concrete with forced cement concrete with forced cement concrete with forced cement concrete with forced cement concrete with forced cement concrete with forced cement concrete with forced cement concrete with forced cement concrete with forced cement concrete with forced cement concrete with forced cement concrete with forced cement cemen										
Intermed center   Intermed   Interned   In						Total=	9.800	Cum	2659.00	26058.2
18.3 (1 Celletin   18.00   4.00   0.20   6.40		norced certain designation of stone aggregate using mover in all works upto								
Name		11/2:3 (1 cernent : 172 decises) and : 3 graded stone aggregate								
Wall   2   7.00   0.25   1.80   6.30		20mni raft	1	8.00	4.00	0.20	6.40	-		
Slab   1   11.50   5.50   0.15   9.49										
Slab		Wan								
4 1.40 1.40 0.15 1.176 4 1.20 0.20 1.80 1.728 2 1.20 1.20 0.15 0.432 3.1 Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and 1 Thermo-Mechanically treated bars FE 415 65 31.82 Total= 2068.53 Kg 54.50 112734.  13.3 Providing and Laying nonphe pressure (NP3) sor RCC socket & spigot pipes with rubber gasket joint including testing of joints.  300 mm Dia 1 50.0 50.0 50.0 M 1128.00 5640 1.5 m free lift by manual means only.		slah								
4 1.20 0.20 1.80 1.728 2 1.20 1.20 0.15 0.432 Total= 31.82 Cum 4163.00 132481.  3.1 Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and 1 Thermo-Mechanically treated bars FE 415  13.3 Providing and Laying non-phe pressure (NP3) sor RCC socket & spigot pipes with rubber gasket joint including testing of joints.  300 mm Dia 1 50.0 50.0 128.00 M 1128.00 5640  1.9 Extra rate for lead for every 50m lead or part thereof and upto 150 m beyond 50 m free lead and 1.5 m free lift by manual means only.		Sidb								
2 1.20 1.20 0.15 0.432  Total= 31.82 Cum 4163.00 132481.  3.1 Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and 1 Thermo-Mechanically treated bars FE 415  3.3 Providing and Laying non-phe pressure (NP3) sor RCC socket & spigot pipes with rubber gasket joint including testing of joints.  300 mm Dia 1 50.0 50.0 128.00 M 1128.00 5640  1.9 Extra rate for lead for every 50m lead or part thereof and upto 150 m beyond 50 m free lead and 1.5 m free lift by manual means only.	- 1	(A) (A) (A) (A) (A) (A) (A) (A) (A) (A)	$\overline{}$							
Total= 31.82 Cum 4163.00 132481.  Total= 31.82 Cum 4163.00 132481.  Total= 31.82 Cum 4163.00 132481.  Total= 31.82 Cum 4163.00 132481.  Total= 31.82 Cum 4163.00 132481.  Total= 31.82 Cum 4163.00 132481.  Total= 31.82 Cum 4163.00 132481.  Total= 31.82 Cum 4163.00 132481.  Total= 31.82 Cum 4163.00 132481.  Total= 31.82 Cum 4163.00 132481.  Total= 31.82 Cum 4163.00 132481.  Total= 2068.53 Kg 54.50 112734.  Total= 2068.53 Kg 54.50 112734.  Total= 31.82 Cum 4163.00 132481.  Total= 31.82 Cum 4163.00 132481.  Total= 31.82 Cum 4163.00 132481.		# 1 E						_		
3.1 Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and 1 Thermo-Mechanically treated bars FE 415 65 31.82 Total= 2068.53 Kg 54.50 112734.  13.3 Providing and Laying non-pressure (NP3) sor RCC socket & spigot pipes with rubber gasket joint including testing of joints.  300 mm Dia 1 50.0 50.0 Total= 50.00 M 1128.00 5640  1.9 Extra rate for lead for every 50m lead or part thereof and upto 150 m beyond 50 m free lead and 1.5 m free lift by manual means only.		WARRIED TO A STATE OF THE STATE		1.20	1.20			Cum	4163.00	132481.2305
binding etc. complete as per drawings including cost of binding wire in foundation and 1 Thermo-Mechanically treated bars FE 415 65 31.82 Total= 2068.53 Kg 54.50 112734.  13.3 Providing and Laying non-phe pressure (NP3) sor RCC socket & spigot pipes with rubber gasket joint including testing of joints.  300 mm Dia 1 50.0 50.0 M 1128.00 5640  1.9 Extra rate for lead for every 50m lead or part thereof and upto 150 m beyond 50 m free lead and 1.5 m free lift by manual means only.	3.1	reinforcement for R.C.C. work including				Total	01.02	Odini	1100.00	
bars FE 415  55  31.82  Total=  2068.53  Kg 54.30  T12734.  31.83  Providing and Laying non-pressure (NP3)  Sor RCC socket & spigot pipes with rubber gasket joint including testing of joints.  300 mm Dia  1 50.0  Total=  50.00  M 1128.00  5640  1.9 Extra rate for lead for every 50m lead or part thereof and upto 150 m beyond 50 m free lead and 1.5 m free lift by manual means only.		binding etc. complete as per drawings including cost of binding wire in foundation and							5.1.50	440704 7400
phe pressure (NP3) RCC socket & spigot pipes with rubber gasket joint including testing of joints.  300 mm Dia  1 50.0  Total=  50.0 M 1128.00 5640  1.9 Extra rate for lead for every 50m lead or part thereof and upto 150 m beyond 50 m free lead and 1.5 m free lift by manual means only.		bars FE 415			31.82	Total=	2068.53	Kg	54.50	112734.7488
1.9 Extra rate for lead for every 50m lead or part thereof and upto 150 m beyond 50 m free lead and 1.5 m free lift by manual means only.	phe	pressure (NP3) RCC socket & spigot pipes with rubber gasket joint including testing of			J					
1.9 Extra rate for lead for every 50m lead or part thereof and upto 150 m beyond 50 m free lead and 1.5 m free lift by manual means only.		300 mm Dia	1	50.0					4400.00	50400
lead or part thereof and upto 150 m beyond 50 m free lead and 1.5 m free lift by manual means only.	7					otal=	50.00	IVI	1128.00	20400
26 800 Cum   90 00   2653	1.9	lead or part thereof and upto 150 m beyond 50 m free lead and 1.5		ć						
1 For Soils(Extra lead 150 m) 20.300 Cdm 99.00 2033	1	For Soils(Extra lead 150 m)					26.800	Cum	99.00	2653.2
1.2 Filling from available excavated stuff (Excluding rock) in		Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth					200.000	Cum	65.00	13000.0
TOTAL = 437912.6		.1							TOTAL =	437912.68

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

# DETAILED ESTIMATE

hrk:- laying of paver block

and plinth in:

coarse sand)

for

7.6 Extra

Cement Mortar 1:5 (1 cement : 5

brick

superstructure above plinth level for every floor or part thereof in addition to rate for foundation and

work

Sch	nedule of rates public works departm	ent[F	WD BU	ILDING	3-01-01-20	015]			
	II EM DESCRIPTION	INUI	L	В	D/H	QTY	UNIT	RATE	AMOUNT
1.1	Excavation for all types and sizes								
	of foundations, trenches and							1	1
FIX	drains or for any other purpose								1
	including disposal of excavated								
	stuff upto 1.5 m lift and lead upto								
128	50m (at least 5m away from the								
H	excavated area), including						ĺ		
Life to	draceing and leveling of nite	-							
arradit d	in all types of soil	1	30.00	8.00	0.20	72.00			
off of the Co		-	30.00	8.00	0.30 Total =	72.00 72.00		185.00	13320.00
1.18	Providing and filling in plinth with				Total -	12.00	Cum	100.00	1,0025,00
	sand/ Crusher dust and hard								-
	moorum under floor in layers not								
	exceeding 20cm in depth			i i					
	consolidating each deposited layer								
	by ramming and watering,								
	including dressing etc. complete.								
	paver block	1	30.00	8.00	0.15	36.00		271.00	10050.00
					Total =	36.00	Cum	371.00	13356.00
3.1	Providing and laying nominal mix								
	plain cement concrete with	1							
	crushed stone aggregate using								
	concrete mixer in all works upto								
	plinth level excluding cost of form	1							
	work. 3 1:4:8 (1 cement : 4 coarse sand :	-							
	8 graded stone aggregate 40mm		,						
	nominal size).	Ί					- 1		
	morninai size).	1	30.00	8.00	0.10	24.00			
					Total =	24.00	Cum	2659.00	63816.00
7.5	Brick work with modular fly-ash								
	lime bricks (FaLG Bricks)								
	confirming to IS:12894-2002 of							•	
	class designation 4.0 in foundation								

50.00

0.30

0.30

Total =

4.50

4.50

0.00

Cum 3350.00

121

Cum

15075.00

0.00

	and the same									
	pl	roviding and laying nominal mix ain cement concrete with ushed stone aggregate using uncrete mixer in all works upto					H		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	) pli	inth level excluding cost of form								
	51:	1½:3 (1 cement : 1½ coarse and : 3 graded stone aggregate omm nominal size).								
-	at C		2	50.00	0.50	0.10	5.00			
F	( )					Total =	5.00	Cum	4073.00	20365.00
12	pr bl 30	roviding & laying 60mm thick recast interlocking concrete locks of approved size (approx 05 sqcm) and shape/ pattern, ver 40 mm thick					Ŋ			
	b	verage complete coarse sand ed with joints of 3mm thick filled y			э			*		
	n	2.65.2 Pigment Coloured (rubber nould) precast interlock concrete blocks		•						
MEN	7		1	30.00	8.00		240.00		600.00	151680.00
EY						0.30	240.00 28.8	sqm	632.00	151000.00
		22.2 Suppling and stacking of good earth at site including royalty, loading, unloading and carriage upto 10km (earth measured in stacks will be reduced by 20% for payment)	•	12.00	8.00	0.00		-		
		-					28.8	CUM	201	5788.8
24					-		20.0	00	201	
		22.4 Supplying and stacking at site well decayed cow dung manure from approved source, including loading, unloading and carriage upto 5 km (manure measured in stacks will be reduced by 8%		12.0	8.0	0.2	19.2			
143		Studio IIII 20 12					19.2	CUM	236	4531.2
Esta	_			1						
1		22.8 Spreading of sludge,	1	12	8	0.12	11.52	CUM	17.5	201.6
		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).								

	and all			7				
The state of the s	22.9 Mixing earth and sludge or manure in proportion specified or directed.				11.52	CUM	11	126.72
J								
1	Desiding and planting of							
	12.6 Providing and planting of 3"0" to 4"0" heighted wasingtonia, filipheria/bismarkia novelist plam plants with 1"6" x 1"6" depth pit formation and soil preparation, (Mixing organic manure and plant"s protection (ROAD SOR ITEM NO12.6/45)				50	EAC H	935	46750
	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.							
		<u> </u>			 00	FAC	000	12200
	(ROAD SOR ITEM NO	1			20	EAC H	660	13200
	12.7/45)	<u> </u>						
	12.8 Providing and planting of Bogenbelia dwarf, chandni dwarf, kaner dwarf vr flower bearing plants with 0"9" x 0"9" depth pit formation and soil preparation work"s, (Mixing organic manure and plant"s protection insecticide).							
	(ROAD SOR ITEM NO				120	EAC H	88	10560
· · · · · · · · · · · · · · · · · · ·	12.8/46)		ļ		 	-		-
	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							
ENA.	(ROAD SOR ITEM NO 12.9/46)				100	EAC H	72	7200
Water Till								

plu ne 1"( an (M pla ins	10 Providing and planting of Imeria (Champa) 2"0" to 3"0" ighted plants with 1"0" x 0"x1"6" depth pit formation depth soil preparation work"s, lixing organic manure and ant"s protection secticide). Up to 4 month aintenance							
	ROAD SOR ITEM NO 2.10/46)				20	EAC H	380	7600
b n d v r	roviding and planting of solden durenta multi ranches plants for showing hass effect in 0"6" x 0"6" listance with soil preparation work"s, (Mixing organic manure and plant"s protection insecticide). Up to 4	٥						
	(ROAD SOR ITEM NO 12.11/46)		7		30	EAC H	182	5460
	22.25 Providing and planting following herbs in garden including preparation of soil, base plantation, providing and target fortilizate.	,			100	SQM	263	26300
	25.4 Carpet grass (wel developed) (BUILDING SOR ITEM NO22.25.4/207)							
			1	 1	1	L	TOTAL=	405330.32

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