कार्यालय, नगर पालिक निगम, कोरबा (छत्तीसगढ़)

फा.क. 195 / 2024

सिस्टम टेंडर नं. 160292

कोरवा दिनांक 21.10.2024

ई-निविदा आमंत्रण सूचना

कार्यालय नगर पालिक निगम, कोरबा द्वारा लोक निर्माण विभाग एकीकृत पंजीयन प्रणाली अंतर्गत सक्षम श्रेणी में पंजीकृत ठेकेदारों से प्रमुख अभियंता लोक निर्माण विभाग, रायपुर द्वारा भवन कार्य हेतु दिनांक 01.01.2015, विद्युत कार्य हेतु दिनांक 01.06.2020, (पी.एच.ई. कार्य 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 प्रपत्र Form-A में निविदा आमंत्रित की जाती है:-

फिजिकल सबिमशन लिफाफा प्राप्त होने की अंतिम तिथि

13.11.2024 सायंकाल से 3.00 बजे तक

निविदा खुलने की अंतिम तिथि

13.11.2024 सायंकाल 4.00 बजे से क कार्य का नाम प्राक्कलन निविदा धरोहर राशि कार्यावधि निविदा ठेकेदार खुलने की राशि प्रतिभागी शुल्क का वर्ग (FDR/TDR) (लाख में) तिथि (डिमांड ड्राफ्ट) वार्ड क. 07 सीतामणी में माध्यमिक शाला भवन 37.24 1500/-वर्ग डी 13.11.2024 28000/-5 माह का डिसमेंटल एवं नवीन भवन का निर्माण (एवं प्रवर से जिला खनिज मद) श्रेणी

शर्तः-

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

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 (साड़ा) के हित के विरूद्ध 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 लॉईन सिस्टम पर अपलोड करना अनिवार्य होगा ।

> • अमानत राशि का वैध FDR/TDR, निविदा प्रतिभागी शुल्क का डिमांड ड्राफ्ट एवं निर्घारित प्रारूप में शपथ पत्र की मूल प्रति लिफाफा में कार्य का नाम एवं अन्य विवरण अंकित कर केवल स्पीड पोस्ट/रजिस्टर्ड डाक के माध्यम से आयुक्त,नगर पालिक निगम,कोरबा साकेत भवन, आई.टी.आई.चौक रामपुर कोसाबाड़ी पिन- 495677 कोरबा के पते पर भेजना होगा। निर्घारित तिथि को सायं 03:00 बजे के पश्चात् फिजिकल संबिमशन लिफाफा स्वीकार नहीं किया जायेगा।

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 निर्धारित प्रारूप 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 डिमांड ड्राफ्ट 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 मुद को छोड़कर शेष कार्यों में 5 प्रतिशत परफार्मेस सिक्यूरिटी की गारंटी के रूप में से 03 वर्ष के लिए रोकी जावेगी। सुरक्षा राशि एवं परफारमेंस गारटी राशि वापसी हेतु समयाविध की गणना कार्य पूर्णता तिथि से किया जायेगा। उक्त समयाविध में निर्माण कार्य की भौतिक स्थिति सही होने तथा सक्षम प्राधिकारी के संतुष्टि के आधार पर भुगतान किया जायेगा।

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

हो वे निविदाकार ही निविदा हेतु पात्र होंगे।

निविदा में भाग लेने वाले ठेकेदारों को छ ग. भवन और अन्य सन्निर्माण कर्मकार (नियोजन एवं सेवा शर्तों का विनियमन) अधिनियम 6. 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। 7.

ईंट से संबंधित निर्माण कार्यों में फ्लाई 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। 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 डिपॉाजिट अथवा एन.एस.सी. जो कि आयुक्त नगर पालिक निगम, कोरबा के नाम पर देय होगा जो मांग तिथि से 15 दिवस के भीतर जमा करना अनिवार्य होगा। उपरोक्त राशि समयावधि में जमा न करने की दशा में निविदा स्वमेव निरस्त मानी जावेगी।

निविदा अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नही किया जावेगा। 10

11. 12.

निविदा प्रपत्र फार्म –ए की कंडिका 11 Price Adjustment (एस्कलेशन) देय नहीं होगा। निविदा के संबंध में किसी प्रकार की विवाद होने की स्थिति में आयुक्त का निर्णय अंतिम् एवं सर्वमान्य होगा। निविदा स्वीकृत करने अथवा अस्वीकृत करने अथवा निरस्त करने का अधिकार नगर पालिक निगम के पास सुरक्षित रहेगा। 13.

उपरोक्त निविदा सूचना की विस्तृत प्रति नगर पालिक निगम, कोरबा के साकेत भवन स्थित निर्माण शाखा से प्राप्त किये जा सकते है। 14.

ठेकेदार द्वारा संपादित किए गए कार्यों के देयकों का भुगतान कार्य विशेष हेतु बजट आबंटन एवं राशि उपलब्ध होने पर किया जाएगा। 15. निविदा में सफल निविदाकार को ऐसे कार्य जिसकी अनुबंध राशि 10.00 लाख या उससे अधिक है, उनको प्रत्येक कार्यों हेतु पृथक से 16. छ.ग. भवन और सिन्नर्माण कर्मचार मण्डल का पंजीयन प्रमाण पत्र प्रस्तुत करना अनिवार्य होगा अन्यथा देयक भुगतान किया जाना

कार्य कियान्वयन से संबंधित गुणवत्ता परीक्षण संबंधी रिपोर्ट पर होने वाले व्यय का वहन संबंधित ठेकेदार द्वारा किया जावेगा। 17.

टेकेदार को निर्माण कार्य के दौरान "निर्माण एवं अपशिष्ट प्रबंधन नियम 2016" में किये गए प्रावधानों का पालन करना अनिवार्य होगा। 18.

> कार्यपालन अभियंता नगर पालिक निगम कोरबा (छ.ग.)

प्रतिलिपि-

प्रोग्रामर, संचालनालय, नगरीय प्रशासिन एवं विकास विभाग, रायुपर को uad.cg.gov.in में अपलोड करने हेतु प्रेषित।

Date-Time Detail(s)

Seq.	Nagar Nigam Stage	Nigam Stage Contractor Stage		Start		у	Remarks
No.		- Samuelor Clago	Date	Time	Date	Time	-
	Release Tender		21.10.2024	16.00	21.10.2024	16.00	Release Tender
2		Bid Submission	21.10.2024	16.00	04.11.2024	17.30	
3		Physical Document Submmission	21.10.2024	16.00	12.11.2024	15.00	
4	Tender Open		13.11.2024	16.00			

EXECUTIVE ENGINEER

KORBA (CG)

For, Commissioner Korba (C.G.)

Name of Work CONSTRUCTION OF NEW G.1 SCHOOL BUILDING AT SITAMANI WARD NO. 97

AN PRI BOR SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD BUILDING 01 01 2015]

U,N	REF	SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT IPWD BUILDING OF	UHIT	QTY	RATE	THUONA
		14				
1	11	Excavation for all types and sizes of foundations, trenches and drains or for			1	
		any other purpose including disposal of excavated stuff upto 1.6 m lift and				
		land upto 60m (at least 6m away from the excevated area), including				10.510.06
		dressing and leveling of pile	cum	100 25	185 00	18,545 25
	11	In all types of soils Providing and taying nominal mix plain coment concrete with crushed				
2	3.1	stone aggregate using concrete mixer in all works upto plinth level				
		excluding cost of form work				62,370 00
real real		130 (1 convent 3 coarse send 6 graded stone aggregate 40mm	cum	21.00	2970 00	02,570
	13					
_	20	nominal size) Providing and laying nominal mix reinforced cament concrete with crushed				
3	3.2	stone aggregate using concrete mixer in all works upto plinth level	1			
		oxcluding cost of form work			4163.00	498,893.92
	-	1 1/2.3 (1 coment 1/2 coarse sand 3 graded stone aggregate 20mm	cum	119.84	4163.00	450,055.52
	21	neminal riza)				
	2.40	Providing and placing in position reinforcement for R C.C work including				
4	3 12	straightening, cutting, bending, binding etc. complete as per drawings				
		Including cost of binding wire in foundation and plinth all complete.		10400 40	54.50	718,440.80
	12.1	The Manhadeally treated have FE 415	kg	13182.40	54.50	110,410.00
	12 1	and fixing form work including conting, shuttering, sucting,				
5	21	staging, propping bracing etc. complete and including its removal at all				
				000.00	139.00	30,896,92
_		Foundations, footings, bases of columns plinth beam, curtain wall in any	sqm	222.28	129.00	30,030,42
7	11	to and size and all type of wall below plinut level.			207.07	61,585.92
		Division and likes reciangular or square in shope	sqm	207.36	297.00	73,148.45
	15	Suspended floors, roofs, access platform, balconies (plain surfaces) and	sqm	311.27	235.00	73,140,43
	1.7				000.00	53,530.00
_		shelves (cast in situ) Beams, lintels, cantilevers & walls	sqm	265.00	202.00	
_	1.8	Stair cases of all types excluding spiral and folded plate type, including	sqm	29.25	230.00	6,727.50
1		4446				
		risers and landings Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to	ĺ			
6	7.5	Brick work with modular hypastrianto Shaper and plinth In IS 12894-2002 of class designation 4.0 in foundation and plinth in				
	-	1S 12894-2002 of class designation 4.5 m (2015)	cum	112.78	3263.00	368,001 14
	5.4	Cement Mortar 1-6 (1 cement - 6 coarse sand) Extra for brick work in superstructure above plinth level for every floor or part	cum	100.70	121.00	12,184,70
7	7.8	Extra for brick work in superstructure above plints for				
90.00		thereof in addition to rate for foundation and plinth:				
8	111	Providing and making 6mm thick cement plaster of mix.	sqm	332.88	87.00	28,960.56
1	1.2	In Cement mortar 1:4 (1 cement 4 fine sand)			1	
9	117	Providing and making 12mm thick cement plaster of mix.	sqm	764	91 50	69,906.00
	Contract of the last of the last	114-day 4 G (1 cement 6 fine 5300)	adut			
10	11.3	Providing and making 15mm thick cement plaster on the rough side of single		1	n 1	
		or half brick wall of mix		274.04	107 00	40,043 68
	34	In Cement Mortar 1.6 (1 cement 6 fine sand)	sqm	374.24	107 00	

_						
		ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	9 13	Providing and fixing steel door/ window with M.S. sheet 1mm thick, frame of	kg	1296 00	75 00	97,200 00
		angle iron, diagonal braces of angle/ flat iron of suitable size, 3.00 mm M S				
1		gusset plates at junctions and corners, all necessary fittings complete				
		including applying a priming coat of red oxide zinc chromate primer				
12	9 15	Providing and fixing M.S. grill of approved pattern made of M.S. flats or	kg	540 00	67 50	36,450 00
		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				
13	14.13	Providing and applying 2mm thick ready mix exterior grade approved	sqm	1471 12	94 50	139,020 84
		make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Aslan, ICI,				
		Nerolac, J K. wall putty) on walls to make the surface smooth and even				
14	14.11	Wall painting with acrylic luxury emulsion (plastic) paint of required shade to				
		give an even shade.				CC 462 20
	111	On new work (two or more coals)	sqm	1246.92	52.50	65,463.30
15	12.13	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 and matching				
		pigments etc. complete.		400.0	1151.00	222,373.2
	13		sqm	193 2	1151.00	222,313.2
16	5 12.3	St. 1 AV 17 C. 1 AV 30 Internation Control				
		coarse sand 4 graded stone aggregate 20mm) finished with a floating coat				
		of neat cement.	F	60.6	254.00	17,678.4
	3	2 50 mm thick	sqm	69.6	371.00	19,944.9
1	7 11		cum	53.76	311.00	13,344.3
		under floor in layers not exceeding 20cm in depth consolidating each				
		deposited layer by ramming and watering, including dressing etc.				
		complete.	L	per Estimate	Amount De	2641366.

Abstract

Sub :- Internal Electrification Work in SITAMANI SCHOOL Building

As per Sor - Schedule of Rates Public Works Department [PWD Electrical 01-06-2020] Qty Amount Rate Unit Ref. no Item of Work S No WIRING IN CONCEALED PVC conduit Wiring for light plug point with 3x2 5 sq mm FRLS PVC 1 10 insulated stranded copper conductor wire for phase, neutral and earth in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) along with modular type 6 Amp switch and 3 pin 6 amps socket outlet with modular base and cover plate, suitable size G1 box, earthing the switch box and socket outlet with same size wire etc. as per specification and IS 694 (2010), IS: 9537 (2000 Part 5) 14144 442.00 32 Point 1.10.1 Short Point 10544 16 659 00 Point 1 10.2 Medium Point 11064 922.00 Point 1.10.3 Long Point Wiring for circuit sub main wiring along with earth wire with 2 1 13 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 5) 11040 120 92.00 Metre 1 13.1 3 X 1 5 sq mm in 20mm conduit 13320 111.00 120 Metre 1 13.2 3 X 2.5 sq. mm in 20mm conduit Supplying and fixing of following sizes PVC switch box 4.3 suitable for modular switches with modular base and cover plates on surface complete as per specification Each 133.00 1064 118mmX94mm (3 Module) 432 144.00 8 1152 Each 150mmX94mm (4 Module) 4.3.3 178.00 12 2136 Each 205mmX94mm (6 Module) 4 3.4 SWITCHES & ACCESSORIES Supplying and fixing following modular switch, socket, other 5.4 accessories on the existing modular plate & switch box including connections but excluding modular plate etc. as per specification. Each 69.00 5/6 amps one way switch 12 828 541 Each 85.00 12 5/6 amps two way switch 1020 542 89.00 Each 12 15/16 amp switch 1068 544 3 pin 5/6 amp socket outlet Each 96.00 12 545 1152 6 pin 15/16 amp socket outlet Each 120.00 12 5.4.6 1440 Fan regulator (one module size) electronic stepped type Each 186.00 5.4.8 32 5952 moving all rounds FANS, LUMINARIES AND LAMPS 0 Supplying, installation, testing and commissioning of 5 6.1 0 following sizes ceiling fan including wiring the down rods of standard length up to 30 cm with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, earthing etc. complete as required P.F. should be greater than 0.9, with BEE Star rating from 3 star and above, IS: 374:2019 including all amendments. 1200 mm sweep 8.1.3 1697.00 20

33940

	19 5	Supplying, installation, testing and commissioning of				ď
-		ollowing LED tube light fitting including batten with			1	
V.		Electronic Driver Heat sink Capacitor complete with all other			1	1
		accessories on surface/ in false ceiling, including connection,				1
		earthing etc complete as per specification and IP20, P.F.		į į	1	}
1		should be greater than 0.9 LED chip efficacy ratio ≥ 100			1	
/		lumens /watt.				
			Each	443.00	20	8860
		18/20 watt (4 feet)	2001			0
8	6.28	Supplying, matanation, testing and comments				
- 1		following 230/250 volts LED street light fitting with all			l	
		accessories like driver, heat sink made of die cast aluminium		i i	1	
		with IP 66 protection and 15 KV surge protection on pole		1	l	
		bracket, including connection, earthing, Separate housing for			1	
	1	driver etc complete as per specification and P.F. should be		1	1	
		greater than 0.9. LED chip efficacy ratio ≥ 120 lumens /watt.		1	1	
			Each	3622.00	6	21732
	0,000	60 watt Supplying and fixing on surface/ recess horizontal type				0
	9.4	following way, 415 volts, TPN MCB distribution board of				
	l	sheet steel phosphatized and powder painted, complete with		1	- 1	
		tinned copper busbar, neutral busbar, earth bar, din bar,		1		
		detachable gland plate, including interconnections, earthing		1 1	1	
		etc. as per specification. (But without MCB/RCCB/Isolator)		1 1	l	
١		letc. as per specification. (But without Mobile Oblisoistory		1		
9	9.4.1	4 way Single door	Each	1317.00	2	2634
	9.12	Supplying and fixing DP MCB, 240 volts, 'C' curve, suitable			1	0
	3.12	for lighting and other loads in the existing MCB DB complete		1		
	1	with connections, testing and commissioning etc. as per			ŀ	
10	1	specification.				
10	9.12.2	6 amps to 32 amps	Each	411.00	6	2466
	9.12.3		Each	645.00	6	3870
	9.12.4		Each	654.00	2	1308
<u> </u>	112	EARTHING				
	12.2	Farthing with G.I. earth plate 600 mm X 600 mm X 6 mm	Ì			
l	1.2.0	thick including accessories, and providing masonry				
1		lanclosure with cover plate having locking arrangement and	Set	3734.00	1	3734
<u> </u>		watering pipe, with charcoal and salt as per specification and			1	
11	1	IS Code 3043: 1987(R 2016)	<u> </u>			
	15	MV CABLE LAYING (1.1 KV)	ļ			
12	15.1	Isunalying and laying following sizes one number FRLS PVC				C
1	1.5.1	insulated/XLPE, PVC sheathed, steel armoured, aluminium				
1	1	Iconductor power cable of 1.1 KV grade direct in ground at a	1	1		
1	1	death not less than 40 cm and upto 90 cm including	1			
1	.1	lexcaution sand cushioning, protective covering and refilling				
1		the trench etc as per specification, IS: 1554 (1988, Part 1) /	1	1		
		IS. 7098 (1988, Part 1)				
-	15.1.5	2 x 25 sq. mm	Metre	264.00	20	5280
-	1,3,7,3	As per SOR Total Estimate Amou	unt Rs.			159748.00
L		, , , , , , , , , , , , , , , , , , ,				

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

OF WORK CONSTRUCTION OF KITCHEN SHED FOR SITAMANI MIDDLE SCHOOL WARD NO. 07 SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD BUILDING-01 01 2015]

persu		SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT (PWD BUILDING-01)	01.2015]			
S.N R	REF	ITEM DESCRIPTION	זואט	QTY	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 pits.	1		:	
Maria de la compansión de	11	In all types of soils.	cum	17 02	185.00	3,149.70
2 1	1 18	Providing and filling in plinth with sand/ Crusher dust and hard moonum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.	cum	21.25	371 00	7,883.75
3	3.1	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.				
	1.2	1:4.8 (1 cement - 4 coarse sand - 8 graded stone aggregate 40mm nominal size).	CUM	4 45	2659 00	11,832.55
4	3.2	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.				
	2.1	1 1½ 3 (1 cement 1½ coarse sand 3 graded stone aggregate 20mm nominal size)	cum	11.83	4153.00	49,248.29
5	3.12	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete:	1	2		
1	12.1	Thermo-Mechanically treated bars FE 415	kg	1183.00	54.50	64,473.50
6	2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for				
	1.1	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	sqm	34.58	139.00	4,806.6
	15	Columns, Pidars, Piers and likes- rectangular or square in shape	sqm	28.80	297.00	8,553.6
	17	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	sqm	32.49	235 00	7,635.1
-	1.8		sqm	20	202.00	4,040.0
7	7,5	Brick work with modular fly-ash time bricks (FaLG Bricks) confirming to IS.12894-2002 of class designation 4.0 in foundation and plinth in:				an The Martin State of the State of Light and Principles and
	5.4	The state of the s	cum	16.82	3263.00	54,883.6
8	7.6	thereof in addition to rate for foundation and plinth:	cum	9.00	121.00	1,089 0
9	9 15	Providing and fixing M.S. grill of approved pattern made of M.S. Bats or square or round bars welded to steel frame of windows etc. including applying a printing coat welded to frame with all necessary fitting complete including applying a printing of red clude zinc chromate primer.	2	265.00	67.50	17,687.5
10	1 17	Filling from available excavated stuff (Excluding rock) in trenches, plinth,	cum	14 00	65 00	910.0

	A	ITEM DESCRIPTION				
A		sides of foundation etc. In layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.	TINU	QTY	RATE	THUOMA
1	111	Providing and making 6mm thick cement plaster of mix				
12	11.2	In Cement mortar 1:4 (1 cement 4 fine sand)	sqm	34.80	87 00	3,027.60
	2.4	Providing and making 12mm thick cement plaster of mix In Cement Mortar 1 6 (1 cement 6 fine sand)				
13	11.3	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix.	sqm	48.00	91.50	4,392.00
	3.4		sqm	76.50	107.00	8,185.50
14	14.1	Providing and applying plaster of paris pulty over plastered wall surface including scaffolding complete				
	1.1		sqm	158.00	63.00	9,954.0
15	14.14	Finishing walls with water proofing cement paint of required shade to give an even shade.				
	14.1	On new work (Two or more coats applied @ 3.84 kg/10 sqm)	sqm	158.00	41.00	6,478.0
16	12.3			The same and the s		
	3.2	2 50 mm thick	sqm	30.25	254.00	7,683.5
			As pe	r Estimate A	mount Rs.	276112.9

of Work DEMOLITION OF OLD MIDDLE SCHOOL AT SITAMANI WARD NO. 07

SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD BUILDING-01 01.2015]

		ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUN
1	16.3	Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead				
	3.3	In cement mortar	Cum l	120.00	002.00	04 700 64
	16.26	Dismantling doors chowkhats with shutters (steel or wood) including architrave, hold fast etc. complete and stacking within 50 metres lead	each	6.00	263.00	31,730.95 600.00
	16.27	Dismantling windows chowkhats with shutters (steel or wood) including architrave, hold fast etc. complete and stacking within 50 metres lead.	each	13 00	66,50	864 50
4	16.28	Taking out door shutters (steel or wood) including stacking within 50 metres lead.	each	2 00	46.50	93 00
5	16.42	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metre lead	cum	92.09	768.00	70,725.12
5 1	6.43	Demolishing cement concrete including disposal of material within 50 metre lead				
	13.2	1 3:6 or richer mix	cum	28.85	549.00	15,844 14
1	1.26	Carriage by mechanical transport upto 5 km lead	Com	20.00	543.00	15,044.14
	26.3	Dismantled Building debris (Mulba)	cum	241.60	91.50	22,106.40
			As per	Estimate Am		141964.10

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

	REF	ABSTRACT SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT (PWD BUILDING- TEM DESCRIPTION	-01 01.2015]			
1	16.3	Demolishing heat	UNIT	QTY	RATE	AMOUN
		Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material with the second serviceable material with the second second serviceable material with the second second serviceable material with the second				
	3.3	material disposal of unserviceable material within 50 metres lead				
2	16.26	Dismantling doors chowkhats with about	cum	120.65	263.00	21 720 05
-	10.07	Dismantling doors chowkhats with shutters (steel or wood) including architrave, hold fast etc. complete and stacking within 50 metres lead	each	6.00	100.00	31,730 95 600.00
3	16 27					555.50
4	16.28		each	13.00	66.50	864.50
·	10.20	Taking out door shutters (steel or wood) including stacking within 50 metres lead.	each	200		
5	16.42		each	2 00	46.50	93.00
		Demolishing R C.C. work Including stacking of steel bars and disposal of unserviceable material within 50 metre lead	cum	92.09	768,00	70 705 40
6	16.43	The state of the s			100,00	70,725.12
		Demolishing cement concrete including disposal of material within 50 metre lead				
	13.2	13.6 or richer mix				
7	1.26	Carriage by mechanical transport uplo 5 km lead	cum	28.86	549.00	15,844 14
	26.3	Dismantled Building debris (Mulba)				
			cum	241.60	91.50 nount Rs.	22,106.40

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

CE OF THE MUNICIPAL CORPORATION KORBA (C.G)

Installation of Borewell for Middle School at Sitamani ward no. 07

ESTIMATE

[PHE 01-06-2020]

医科学		UNIT	QTY	RATE	AMOUNT
	Carrying out the resistivity survey by VES method using Schlumberger configuration for locating the proper spot for drilling of tube well with in the selected habitation, including photography, interpretation of resistivity data and submission of	Per	1	1633.00	1633.00
2	Drilling of perfectly vertical hore hole of a diameter suitable to receive 150 mm nominal diameter casing pipe upto desire depth below ground level inclusive of the labour charges for transporting, lowering and fixing of 150 mm nominla diameter M.S. / G				
	in all type of collapsible strata consisting of soils, clays, sand, moorum, gravel boulders. Etc.	Meter	30	527-00	15810.00
	in all type of rocks.	Meter	30	639.00	19170.00
3	Drilling of perfectly vertical bore hole of 150 mm. diameter upto desire depth below ground level in all type of rocks including all works pertaining to drilling such as transportation, installation and removal of drilling machine etc. complete	Meter	40	609.00	24360.00
4	Labour only for lowering of single phase submersible pumping set of capacity 1 to 3 HP in the tube well with flexible/ rigid pipe line assembly, electrical cable, nylone rope, testing etc complete including connecting the electrical cable from pump & starter - Depth up to 150mtr	1 job	1	1730.00	1730.00
5	Conducting the yield test of tubewell by operating the pumping set continuously for adesired time period and measuring the discharge and draw down o the total at a suitableti meintervalus per the direction of Engineerin Charge including costofenergy, costo installation of suitable measuring device and him				
_	Submersible pumping sets upto 1 to 3 HP	Pef Hour	2	642.00	1284.00
6	Labour only for taking out of single phas submersible pumping set of capacity 1 to 3 HP from the tube well with flexible/ rigid pipe line assembly electrical cable, nylone rope, testing etc. complet including disconnecting the electrical cable from pump & starter - Depth up to 150 mtr.	c ljob	1	1575.00	1575.0
7	T.I. I.I.				
	150 mm dia	Ench	a da R	376.0	0 376.00

		Construction of the Constr			
	51 marked UPVC cusing Pipe confirming to 15			1	
	985/1988 (with Up-to-date amendment)	Contract Con	50	162.00	8100 00
C	M casing pipes 150 mm dia	Meter	50		
	S1 Mark 32 mm. dia G1 riser pipe in 3 meter ength socketed on one end as per LS 1239 (Part-1) 1990 up-to-date amendment and socket as per LS 2062/1990 up-to-date amendment.	Meter	60	200 00	12000 00
oti	Providing laying and jointing of following galvanized			1	
٦ [Iron (MS) Pipes with specials (such as bends,			1	
- 1	elbows, tees etc) class light, medium & heavy			1	
- 1	including testing of joints, cost of pipes, specials and			1	
١	jointing materials all complete. Pipes and sockets			1	
	conforming to IS 1239/2011 Part- II			108.00	6480 00
	15mm dia	R Mir	60	207.00	12420 00
_	25mm dia	R Mir	60	254 00	6350.00
	32mm dia	R Mtr	25	254 00	
11	Providing and fixing G 1 Union in G 1 Pipe line i/c				
	cutting threading testing etc. complete (New work)				
	confirming to 1S 1879	Fred	5	109.00	545.00
	15mm dia	Each Each	5	242.00	1210.00
	25mm dia	Each	3	318.00	954.00
	32mm dia				
12	Providing and fixing G. I. socket in G.I. Pipe line i/c cutting threading testing etc. complete (Old work)				
	confirming to IS 1879	Each	10	22.00	220.00
	15mm dia	Each	5	46.00	230.00
	25mm dia	Each	4	68 00	272.00
	32mm dia				
13	Providing and fixing following gate (full way) valves tested to 300lbs/Sq inch or 21.00 kg/sq.cm.				
	tested to 300lbs/Sq inch of 21.00 kg/s confirming to IS 778/1984 (Reaffirmed 2005) Class-I	Each	5	423.00	2115.00
	15mm dia	Each	3	900.00	2700.00
	25mm dia	Each	1	1309.00	1309.00
	32mm dia	Lacii		TOTAL RS.	120843.00

PART-B	PWD Electrical & Mechanical SOR 01-06-2020				
Supplying, Installation, testing and commissioning of submersible pump set for water supply system with submersible motor directly coupled to multi-stage submersible pump of specified descharge capacity, head, delivery size in existing bore well including 2 sets of suitable size holding clamps made out of 50 mm x 6 mm MS flat, connection with suitable submersible cable of standard length etc. as required.					
1.5 HP, single phase	Each	1	17589.00	17589 00	

	supplying, installation, testing and commissioning of				
1	1-3 HP 1 phase submersible motor starter cum				1
	control wall/floor mounted type made out of not less		.	4030.00	4030 00
1	than 1.6 mm thick MS sheet and comprising of	Each	1	4030 00	1020 00
	following panel mounting switchgears there in				
	including connection inter-connection etc. as				
100	Phase indicating lamps with fuses and toggle				
1	switches 1 set.				
	1/2/3 HP 1 Phase DOL starter with over load and nop				
	volt relay 1 no				
	25 A°C° curve TPMCB 1 No.	Y .			
	Voltmeter 0-250 V 1 set				
	Ammeter 0-10 A 1 set.				
	4'x40 W single patti type				
6	Supplying & fixing MS clamp 50 cm long made of				
"	50 mm x 5 mm thick MS Flate for holding the pipes	Each	1	291.00	291.00
	& submersible pump set as required.				
7	Supplying laying and fixing followwing seze				
'	submersible cable along with GI/PVC/HDFC pipe	15			
1	line or laid in ground etc as required.				
-	C. WILLIAM CO.	metre	106.73	64.00	6830.72
-	3x2.5 sqmm	11101110			
8	Supplying and installing (overhead) service main with following seze PVC insulated. PVC sheatehed				
İ	with following seze PVC insulated. PVC sheatened				
	aluminium conductro cables suspended with bobbinn				
1	insulator on existing bearer wire in an approved				1
1	manner and as per specification etc. or drawn in			[
1	existing GI pipe brackedt or conduit pipe wherever				
-	required, including connection, testing etc.	Each	80	90.12	7209.20
_	2 x 6 sq. mm Providing and placing on terrace (at all floor levels)	20.011			
9	polyethylene water storage tank ISI 12701 marked				
	with cover and suitable locking arrangement and				
	making necessary holes for inlet, outlet and overflow	liter	1000	7.30	7300.00
1	pipes but without fittings and the base support for				
	1 - 5				
	tank			TOTAL RS.	43249.92
				RTA+B Rs	
			PAR		164092.92
1				Say Rs.	164093.00

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

ABSTRACT

SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD ROAD-01 01 2015]

S.N	R	EF ITEM DESCRIPTION	UNIT	QTY	RATE	THUUMA
1	11	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				F 240 08
		excavated area), including dressing and leveling of pits.	cum	28.87	185.00	5,340.95
	1	1 In all types of soils Providing and laying nominal mix plain cement concrete with				
2	3.1	crushed stone aggregate using concrete mixer in all works				
		upto plinth level excluding cost of form work.			0070.00	9,533 70
	_	3 1:3:6 (1 cement 3 coarse sand 6 graded stone aggregate	cum	3.21	2970.00	5,555
	1	40mm nominal size)				
_	20	Providing and laying nominal mix reinforced cement concrete with				
3	3.2	crushed stone aggregate using concrete mixer in all works				
		upto plinth level excluding cost of form work.		4.04	4163.00	17,526.23
1		- 1 11/ compa rand 3 graded slone	cum	4.21	4 103.00	.,,,,,
	2	cogregate 20mm nominal size)				
+	242	Providing and placing in position reinforcement for R.C.C. work				
1	3.12	including straightening, cutting, bending, binding etc. complete				
		as per drawings including cost of binding wire in foundation and			Ì	
		plinth all complete		000.05	54.50	21,797.28
_		1 to be beginning by treated hars FF 415	kg	399.95	34.30	211.0
1	2.1	Brankling and fixing form work including centing, shuttering,	ļ		1	
2	2.1	strutting, staging, propping bracing etc. complete and including	-			
		t -t -!! lovele for		0.40	139.00	1,276.0
_		hases of columns plinth beam, cuitain waii	sqm	9 18	135.00	1,270.0
	11	tare and size and all IVDE OF Wall below plants for the		- 004	297.00	2,566.0
L		Dillera Diam and likes, reciandulal of Square in onepo	sqm	8.64		666.6
	1.5	to the contilevers & walls	sqm	3.3	202.00	246.9
	1.8	to the shade Comices and Mouldings	sqm	0.84	294.00	3,936.2
	13		sqm	16.75	235.00	3,930.2
	17	Suspended 110015, 10015, access plans the				
		surfaces) and shelves (cast in situ) Brick work with modular fly-ash lime bricks (FaLG Bricks)				
7.5	5	Brick work with modular fly-ast lime briotic (and 4 0 in foundation				
		Brick work with modular hy-ast limb broken to IS:12894-2002 of class designation 4.0 in foundation				
		and plinth in:	cum	6.79	3263.00	22,155
	5.4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
7.5		The modular fly-ash time pricks (Faco brioks)		and the second		
,,,	of the specimen	Brick work with modular hydration and the signature of th				
	1	and plinth in:	Maria de la composición dela composición de la composición dela composición dela composición dela composición de la composición dela composición de la composición dela composición de	2 75	3350.00	12,562
		Compat Modat 1:5 (1 cement 5 coarse saile)	cum	3.75	3330.00	12,002
	-	and fixing MS frames of doors, wildows,				
1.16	5	ventilators and cupboards joints mitred and welded with 15x3				
		mm lugs 10cm long embedded in cement concrete blocks				
	3	mm lugs furm long embedded in section of the sand screws of				
	•	15x10x10cm of grade M-10 or with wooden plugs and screws or	1			
	1	with dash fastener or rawl plugs and screws or with fixing clips or				
	1.1	with bolts and nuts as required including fixing of necessary				
	1	butt hinges and screws and applying a priming coat of				
	1	and the second of the second o		ed By Estim	See See	flud's

Mary and Date mind Date and Da		1	HEM DESCRIPTION				
Size Providing and fung M S grill of approved pattern made of M S windows etc. including applying a priming coat welded to farme and an all necessary fitting complete including applying a priming coat welded to farme red oxide zinc chromate primer		A	approved steel pnmer				
Providing and fixing M.S. grill of approved pattern made of M.S. kg		62	Angle-iron frames	UNII	UI T	KAIL	AMUUNI
with all necessary fitting completed including applying a priming coat welded to frame red oxide zinc chromate primer with all necessary fitting completed including applying a priming of the providing and fixing factory made PVC door frame of size for size from a wall thickness of 5mm, made out of extruded of 150mm long brackets of 15x15mm M S square tube of 150mm long brackets of 15x15mm M S square tube of 19 gauge. EPDM rubber gasket weather seal to be provided through out the frame The door frame to be fixed to the wall using M S screws of 65/100mm size complete as per manufacturers specification and direction of Engineer-in-Charge section of the size of 752mm X 25mm or less as per requirement with an average wall thickness of 1mm ± 0 3mm PVC flush door shutters made out of an one piece Multi chamber extruded PVC section of the size of 752mm X 25mm or less as per requirement with an average wall thickness of 1mm ± 0 3mm PVC floam end cap of size 23x16mm are provided on both vertical edges to ensure the overall thickness of 1mm ± 0 3mm PVC floam end cap of size 23x16mm are provided on both vertical edges to ensure the overall thickness of 1mm ± 0 3mm PVC floam end cap of size 23x16mm are provided on both vertical edges to ensure the overall thickness of 1mm ± 0 3mm PVC floam end cap of size 23x16mm are provided on both vertical edges to ensure the overall thickness of 1mm ± 0 3mm PVC floam end cap of size 23x16mm are provided on both vertical edges to ensure the overall thickness of 1mm ± 0 3mm PVC floam end cap of size 23x16mm are provided on both vertical edges to ensure the overall thickness of 1mm ± 0 3mm PVC floam end cap of size 23x16mm are provided on both vertical edges to ensure the overall thickness of 1mm ± 0 3mm PVC floam end of size of 1mm ± 0 3mm PVC floam end of 1mm + 0 3mm PVC floam end of 1mm		915	Providing and fixing M.C.				and the same of th
with all necessary fitting completed including applying a priming coat welded to frame red oxide zinc chromate primer with all necessary fitting completed including applying a priming of the providing and fixing factory made PVC door frame of size for size from a wall thickness of 5mm, made out of extruded of 150mm long brackets of 15x15mm M S square tube of 150mm long brackets of 15x15mm M S square tube of 19 gauge. EPDM rubber gasket weather seal to be provided through out the frame The door frame to be fixed to the wall using M S screws of 65/100mm size complete as per manufacturers specification and direction of Engineer-in-Charge section of the size of 752mm X 25mm or less as per requirement with an average wall thickness of 1mm ± 0 3mm PVC flush door shutters made out of an one piece Multi chamber extruded PVC section of the size of 752mm X 25mm or less as per requirement with an average wall thickness of 1mm ± 0 3mm PVC floam end cap of size 23x16mm are provided on both vertical edges to ensure the overall thickness of 1mm ± 0 3mm PVC floam end cap of size 23x16mm are provided on both vertical edges to ensure the overall thickness of 1mm ± 0 3mm PVC floam end cap of size 23x16mm are provided on both vertical edges to ensure the overall thickness of 1mm ± 0 3mm PVC floam end cap of size 23x16mm are provided on both vertical edges to ensure the overall thickness of 1mm ± 0 3mm PVC floam end cap of size 23x16mm are provided on both vertical edges to ensure the overall thickness of 1mm ± 0 3mm PVC floam end cap of size 23x16mm are provided on both vertical edges to ensure the overall thickness of 1mm ± 0 3mm PVC floam end cap of size 23x16mm are provided on both vertical edges to ensure the overall thickness of 1mm ± 0 3mm PVC floam end of size of 1mm ± 0 3mm PVC floam end of 1mm + 0 3mm PVC floam end of 1mm	1		flats or square or round bear approved pattern made of MS			73.50	1,102.50
with all necessary fitting complete including applying a priming of extreme red coxide zinc chromate primer 10 8151 Providing and fixing factory made PVC door frame of size 50x47mm with a wall thickness of 5mm, made out of extuded of 150mm long brackets of 15x15mm M S. square tube, the vertical of 150mm long brackets of 15x15mm M S. square tube, the vertical 19 gauge. EPDM rubber gasket weather seal to be provided through out the frame The door frame to be fixed to the wall using MS. screws of 65f100mm size complete as per manufacturers specification and direction of Engineer-in-Change and screws of 65f100mm size complete as per requirement with an average wall tuckness of 17mm ± 0.5mm PVC floath door shutters made out of a one piece Multi chamber extruded PVC section of the size of 752mm X. 25mm or less as per requirement with an average wall tuckness of 17mm ± 0.5mm PVC floam end cap of size 23x10mm are provided on both vertical edges to ensure the overall thickness of 25mm An MS tube having dimensions 19mm x. 19mm is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam. The Top & Bothom edges of the shutter are covered with an end-cap of the size 25mm X.11mm Door shutter shall be reinforced with special polymenic reinforcements as per manufacturers specification. 12 913 Providing and fixing steel door/ window with MS. Sheet 1mm thick, frame of angle ron, diagonal braces of angle flat mon of suitable size, 3.00 mm MS. gussel plates at junctions and comers, all necessary fittings complete including applying a priming coat of red oxide zinc chromate primer. 13 111 Providing and making form thick cement plaster of mix. 14 12 In Cement mortar 1.4 (1 cement 4 fine sand) sqm 49.79 91.50 4.555.71 4.555.71 1	A	1	windows etc including an in steel frame of	кд	24.00	67.50	1,620 00
10 8.151 Providing and fixing factory made P.V.C. door frame of size 5mm ngid PVC foam sheet mitred at corners and joined with 2 Nos of 150mm long brackets of 15x 15mm M.S. square tube of 5mm ngid PVC foam sheet mitred at corners and joined with 2 Nos of 150mm long brackets of 15x 15mm M.S. square tube, the vertical door profiles to be reinforced with 19x19mm M.S. square tube of 19 gauge. EPDM nubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100mm size compilet as per manufacturers specification and direction of Engineer-in-Charge Providing and fixing factory made 25mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762mm X.25mm or less as per requirement with an average wall thickness of 15mm ± 0.3mm PVC foam end cap of size 23x10mm are provided no both vertical edges to ensure the overall thickness of 25mm A.m.S. tube having dimensions 19mm x. 19mm is inserted along the hinge sade of the door Core of the door shutter should be filled with High Density Polyurethane foam. The Top 8. Bottom edges of the shutter are covered with an end-cap of the size 25mm X.11mm Door shutter shall be reinforced with special polymeric reinforcements as per manufacturers' specification reinforcements as per manufacturers' specification reinforcements as per manufacturers' specification from the providing and fixing steel door/ window with M.S. sheet 1mm thick, frame of angle ron, diagonal braces of angle flat uron of suitable size, 300 mm M.S. gusset plates at junctions and comers, all necessary fiftings complete including applying a priming coat of red oxide zinc chromate primer. 13 111 Providing and making 5mm thick cement plaster of mix: 14 12 Providing and making 5mm thick cement plaster of mix: 15 11.3 Providing and making 12mm thick cement plaster of mix: 16 11.6 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix. 27 14 12 Applying on			with all necessary fitting applying a priming coat welded to frame				
10 515 Providing and fixing factory made P V C door frame of size Sox47mm with a wall thickness of 5mm, made out of extruded of 150mm long brackets of 15x15mm M S square tube, the vertical of 150mm long brackets of 15x15mm M S square tube of 150mm long brackets of 15x15mm M S square tube of 19 gauge. EPDM hother gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M S screws of 55/100mm size complete as per manufacturers specification and direction of Engineer-in-Charge section of the size of 762mm X 25mm brack PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762mm X 25mm or less as per requirement with an average wall thickness of 15mm ± 0.5mm PVC foam end cap of size 23x10mm are provided on both vertical edges to ensure the overall thickness of 25mm A M S tube having dimensions 19mm x 19mm is inserted along the hinge side of the door Core of the door shutter should be filled with High Density Polyurethane foam The Top & Bottom edges of the shutter are covered with an end-cap of the size 25mm X 11mm Door shutter shall be reinforced with special polymenic reinforcements as per manufactures' specification. 12 913 Providing and fixing steel door window with M S sheet time thick, frame of angle ron, diagonal braces of angle flat ron of suitable size, 30 mm M S gusset plates at junctions and corners, all necessary fittings complete including applying a printing coat of red oxide zinc chromate primer. 13 111 Providing and making firm thick cement plaster of mix 12 In Cement Mortar 1 4 (1 cement 4 fine sand) sqm 2 30 87 00 200 10 11 11 12 Providing and making 12mm thick cement plaster of mix 14 112 Providing and making firm thick cement plaster on the rough side of single or half brick will of mix. 24 In Cement Mortar 1 6 (1 cement 6 fine sand) sqm 23.86 107 00 2,553.00 15 11 13 70 14 12 Applying one coat of cement primer on wall surface (applied sqm 4.57 55.00 2,553.00 2,573.00 15 11 14 12 Providing and maki			red oxide zinc chromata in melling applying a priming of				
5mm rigid PVC foam sheet mittred at corners and joined with 2 Nos door profiles to be reinforced with 19x1mm M S. square tube, the vertical 19 gauge. EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall manufacturers specification and direction of Engineer-in-Charge. 11 8.150 Providing and fixing factory made 25mm tinck PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762mm x 25mm or less as per requirement with an average wall thickness of 15mm ± 0.3mm PVC foam end cap of size 23x10mm are provided on both vertical edges to ensure the overall thickness of 15mm ± 0.3mm PVC foam end cap of size 23x10mm are provided on both vertical edges to ensure the overall thickness of 25mm A M.S. tube having dimensions 19mm x 19mm is inserted along the hinge side of the door Core of the door shutter should be filled with High Density Polyurethane foam. The Top & Bottom edges of the shutter are covered with an end-cap of the size 25mm X 11mm. Door shutter shall be reinforced with special polymene reinforcements as per manufacturer's specification. 12 913 Providing and fixing steel door/ window with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of angle flat from of suitable size, 300 mm M.S. gusset plates at junctions and comers, all necessary fittings complete including applying a priming coat of red oxide zinc chromate primer. 13 111 Providing and making 6mm thick cement plaster of mix: 12 In Cement Mortar 1.4 (1 cement 4 fine sand) sqm 2.30 87.00 200.10 14 112 Providing and making 15mm thick cement plaster of mix: 15 11.3 Providing and making 15mm thick cement plaster of mix: 16 11.6 Providing and making 15mm thick cement plaster of mix: 17 14 12 Applying one coat of cement forms. 18 14.21 Panding on new work (two or more coats) to give an even shade with.	10	8.151	Providing and five of				
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14 11.2 Providing and making 12mm thick cement plaster of mix: 2.4 In Cement Mortar 1 6 (1 cement 6 fine sand) 3.4 In Cement Mortar 1 6 (1 cement 6 fine sand) 3.4 In Cement Mortar 1 6 (1 cement 6 fine sand) 49 79 91.50 4,555.79 3.4 In Cement Mortar 1 6 (1 cement 6 fine sand) 5 sqm 23.86 107.00 2,553.00 5 sqm 23.86 107.00 2,553.00 6 11.6 Providing and making 6mm thick cement plaster 1.3 (1 cement 3 sqm 17.64 105.00 1,852.20 6 fine sand) finished with a floating coat of neat cement and a thick coat of lime wash on top of wall when dry for bearing of R.C.C slab and beam. 17 14 12 Applying one coat of cement primer on wall surface (applied @ 0.80 litrs/10 sqm) complete 18 14.22 Painting on new work (two or more coats) to give an even shade with: 2.1 Satin synthetic enamel paint sqm 4.57 55.00 251.35 19 1 17 Filling from available excavated stuff (Excluding rock) in trenches	13	11.1	Providing and making 6mm thick cement plaster of mix:		1		
14 11.2 Providing and making 12mm thick cement plaster of mix: 2.4 In Cement Mortar 1 6 (1 cement 6 fine sand) sqm 49 79 91.50 4,555.79 15 11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix. 3.4 In Cement Mortar 1 6 (1 cement 6 fine sand) sqm 23.86 107.00 2,553.00 16 11.6 Providing and making 6mm thick cement plaster 1.3 (1 cement 3 sqm 17.64 105.00 1,852.20 fine sand) finished with a floating coat of neat cement and a thick coat of lime wash on top of wall when dry for bearing of R.C.C slab and beam. 17 14 12 Applying one coat of cement primer on wall surface (applied @ 0.80 litrs/10 sqm) complete. 18 14.22 Painting on new work (two or more coats) to give an even shade with: 2.1 Satin synthetic enamel paint sqm 4.57 55.00 251.35 19 117 Filling from available excavated stuff (Excluding rock) in trenches sqm 4.57 55.00 237.95		1.2	In Cement mortar 1.4 (1 cement 4 fine sand)	sam	2.30	87.00	200.46
15 11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix. 3.4 In Cement Mortar 1.6 (1 cement .6 fine sand) sqm 23.86 107.00 2,553.02 11.6 11.6 Providing and making 6mm thick cement plaster 1.3 (1 cement .3 sqm 17.64 105.00 1,852.20 fine sand) finished with a floating coat of neat cement and a thick coat of lime wash on top of wall when dry for bearing of R.C.C slab and beam. 17 14.12 Applying one coat of cement primer on wall surface (applied	14	11.2	Providing and making 12mm thick cement plaster of mix:		2.00	07.00	200 10
15 11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix. 3.4 In Cement Mortar 1:6 (1 cement 6 fine sand) sqm 23.86 107.00 2,553.03 11.6 11.6 Providing and making 6mm thick cement plaster 1:3 (1 cement 3 sqm 17.64 105.00 1,852.20 fine sand) finished with a floating coat of neat cement and a thick coat of lime wash on top of wall when dry for bearing of R.C.C slab and beam. 17 14.12 Applying one coat of cement primer on wall surface (applied government) sqm 60.74 23.00 1,397.02 18 14.22 Painting on new work (two or more coats) to give an even shade with: 2.1 Satin synthetic enamel paint sqm 4.57 55.00 251.35 19 1.17 Filling from available excavated stuff (Excluding rock) in trepelos sqm 4.57 55.00 237.95		2.4		sam	49 79	91.50	A ECE 70
side of single or half brick wall of mix: 3.4 In Cement Mortar 1:6 (1 cement 6 fine sand) 16 11.6 Providing and making 6mm thick cement plaster 1:3 (1 cement 3 fine sand) finished with a floating coat of neat cement and a thick coat of lime wash on top of wall when dry for bearing of R.C.C slab and beam. 17 14 12 Applying one coat of cement primer on wall surface (applied @ 0.80 litrs/10 sqm) complete 18 14.22 Painting on new work (two or more coats) to give an even shade with: 2.1 Satin synthetic enamel paint sqm 4.57 55.00 251.35 19 1 17 Filling from available excavated stuff (Excluding rock) in trenches sqm 4.57 55.00 277.95	15	11.3	Providing and making 15mm thick cement plaster on the rough		10.10	31.50	4,000.78
Providing and making 6mm thick cement plaster 1.3 (1 cement 3 sqm 17.64 105.00 1,852.20 fine sand) finished with a floating coat of neat cement and a thick coat of lime wash on top of wall when dry for bearing of R.C.C slab and beam. 17 14 12 Applying one coat of cement primer on wall surface (applied @ 0.80 litrs/10 sqm) complete 18 14.22 Painting on new work (two or more coats) to give an even shade with: 2.1 Satin synthetic enamel paint sqm 4.57 55.00 251.35 19 1 17 Filling from available excavated stuff (Excluding rock) in trenches sqm 4.57 55.00 277.95			side of single or half brick wall of mix:				
16 11.6 Providing and making 6mm thick cement plaster 1.3 (1 cement 3 sqm 17.64 105.00 fine sand) finished with a floating coat of neat cement and a thick coat of lime wash on top of wall when dry for bearing of R.C.C slab and beam. 17 14 12 Applying one coat of cement primer on wall surface (applied @ 0.80 litrs/10 sqm) complete. 18 14.22 Painting on new work (two or more coats) to give an even shade with: 2 1 Satin synthetic enamel paint sqm 4.57 55.00 251.35 19 117 Filling from available excavated stuff (Excluding rock) in trenches sqm 4.57 55.00 237.95		3.4	In Cement Mortar 1:6 (1 cement . 6 fine sand)	som	23.86	107.00	0.552.04
fine sand) finished with a floating coat of neat cement and a thick coat of lime wash on top of wall when dry for bearing of R.C.C slab and beam. 17 14.12 Applying one coat of cement primer on wall surface (applied @ 0.80 litrs/10 sqm) complete 18 14.22 Painting on new work (two or more coats) to give an even shade with: 2.1 Satin synthetic enamel paint sqm 4.57 55.00 251.35 19 1.17 Filling from available excavated stuff (Excluding rock) in trenches sqm 4.57 55.00 237.95	16	11.6	Providing and making 6mm thick cement plaster 1.3 (1 cement 3				
coat of lime wash on top of wall when dry for bearing of R.C.C. slab and beam. 17 14 12 Applying one coat of cement primer on wall surface (applied @ 0.80 litrs/10 sqm) complete 18 14.22 Painting on new work (two or more coats) to give an even shade with: 2.1 Satin synthetic enamel paint sqm 4.57 55.00 251.35 19 1 17 Filling from available excavated stuff (Excluding rock) in trenches sqm 4.57 65.00 937.96						103.00	1,852.20
and beam. 17 14.12 Applying one coat of cement primer on wall surface (applied general genera							
@ 0.80 litrs/10 sqm) complete 18 14.22 Painting on new work (two or more coats) to give an even shade with: 2.1 Satin synthetic enamel paint 19 1.17 Filling from available excavated stuff (Excluding rock) in trenches our data of the complete o			1 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
@ 0.80 litrs/10 sqm) complete 18 14.22 Painting on new work (two or more coats) to give an even shade with: 2.1 Satin synthetic enamel paint 19 1.17 Filling from available excavated stuff (Excluding rock) in trenches our data of the complete o	17	14.12	Applying one coat of cement primer on wall surface (applied	som	60.74	00.00	10000
18 14.22 Painting on new work (two or more coats) to give an even shade with: 2.1 Satin synthetic enamel paint sqm 4.57 55.00 251.35 19 1.17 Filling from available excavated stuff (Excluding rock) in trenches sqm 4.57 55.00 237.95		2			00.74	23.00	1,397.02
with 2.1 Satin synthetic enamel paint 19 1.17 Filling from available excavated stuff (Excluding rock) in trenches our 4.57 55.00 251.35	18	14.22				<u></u>	
19 1 17 Filling from available excavated stuff (Excluding rock) in trenches our 4.57 55.00 237.00							
19 1 17 Filling from available excavated stuff (Excluding rock) in trenches cum 44.42 65.00 937.04		2.1		sam	AET	55.00	261 28
plinth, sides of foundation etc. in layers not exceeding 20cm	19	1 17	Filling from available excavated stuff (Excluding rock) in frenches				
			plinth, sides of foundation etc. in layers not exceeding 20cm	Cuiti	14.43	05 00	001.01

	A	In depth consolidating each deposited layer by ramming and watering with a lead upto 50 M and lift upto 1.5 M.	UNII	uıı	KAIE	AMUUNI
A	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,	cum	5 49	371 00	2,036 7§
21	12.9	Providing and laying ceramic glazed floor tiles conforming to IS 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1.4 (1 cement 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete				
72	9.1	5.25 000X300IIIII	600	40.07	500.00	
22	14.13	Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Aslan, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even	sqm	12 97 35 80	94.50	8,975 <u>24</u> 3,383 1(
23	14.11	Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade				
	11	On new work (two or more coals)	cam	25 30	52.50	4 200 00
24	14.9	Distempering with acrylic washable distemper to give an even shade	sqm	20.30	52.50	1,328.25
	9.1	On new work (Two or more coats)	sqm	10.50	38.00	399.00
		water supply and sa add for e	As penitary fittin	er Estimate Ar	mount Rs.	147,093.9 8,825.6 13,238.4

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

Grand Total Rs.

Say Rs.

169,158.0

ABSTRACT

CONSTRUCTION OF BOYS TOILET
SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD ROAD-01 01 2015]

	(EF	TEM DESCRIPTION	UHIT	QTY	RATE	THUOMA
4		Excavation for all types and sizes of foundations, trenches and				
A	1					
		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	- Aum	28.87	185.00	5,340.9
	麗田	In all types of soils.	cum	20.01		
2 3.	10	Providing and laying nominal mix plain cement concrete with				
		crushed stone aggregate using concrete mixer in all works			Ę.	
		upto plinth level excluding cost of form work.		3.21	2970.00	9,533.70
\top	1.3	13.6 (1 cement 3 coarse sand 6 graded stone aggregate	cum	3.21	20,0.00	
		40mm nominal size)			-	
3 3	2	Providing and laying nominal mix reinforced cement concrete with				
	1	crushed stone aggregate using concrete mixer in all works				
		upto plinth level excluding cost of form work		101	4163.00	17,526.2
-	21		cum	4.21	4105.00	11,0202
-	-	aggregate 20mm nominal size)				
4 3	12	Providing and placing in position reinforcement for R.C.C. work				
4 3	.12	including straightening, cutting, bending, binding etc. complete				
	}	as per drawings including cost of binding wire in foundation and				
		plinth all complete:			54.50	21,797.2
	0.4	at the shortly tropted hom EE A15	kg	399.95	54.50	21,731-2
	2.1	Providing and fixing form work including centring, shuttering,				
5 2	.1	strutting, staging, propping bracing etc. complete and including				
		to assert at all levels for			100.00	1,276.0
		Foundations, footings, bases of columns plinth beam, curtain wall	sqm	9 18	139.00	1,210.0
	11	and size and all type of wall below pillul level			007.00	2,566.0
1		Columns, Pillars, Piers and likes- rectangular or square in shape	sqm	8.64	297.00	2,566.0
	1.5	Tatala contiloyers & Walls	sqm	3.3	202.00	
	1.8	Weather shade, chhajja, Comices and mouldings	sqm	0.84	294.00	246.
	13	Suspended floors, roofs, access platform, balconies (plain	sqm	16.75	235.00	3,936.
	17	Suspended 110015, 10015, 20035 process, 10015, 20035 process, 2003				
		surfaces) and shelves (cast in situ) Brick work with modular fly-ash lime bricks (FaLG Bricks)				
6 7	.5	Brick work with modular fly-ash time bricks (confirming to IS:12894-2002 of class designation 4.0 in foundation				
		and plinth in.	cum	6.79	3263.00	22,155
	5.4	Cement Mortar 1.6 (1 cement -6 coarse sand)				
7 7	.5	Brick work with modular fly-ash lime bricks (FaLG Bricks)				
		confirming to IS:12894-2002 of class designation 4.0 in foundation		Pi-de	4	
		and plinth in:	cum	3.75	3350.00	12,562
+	5.3	Compet Modar 1:5 (1 cement 5 coarse sano)				
8 9		The god Gylon M.S. frames of Goots, Millions,			Charles I	
9 0		theter and cushoards joints milled and weided mill too			역관시합 등 []	
(particular)		tom long embedded in cement concrete blocks	Service See Ly			
Government of	Manager and	ar 40.40 m of grade M-10 of with wooden plugs and sciens of				
4	1	destance of raw plugs and screws or will many caps of				
		with holle and nuts as required including lixing of necessary				
-		butt hinges and screws and applying a priming coat of				The second second second

	COPIEN	UNI	ការ	KAIE	AMUUNI
	ed steel primer	i		73.50	1 102 50
16.00	Arm facies	kg	15.00	67.50	1.620.00
	iding and fixing M.S. grill of approved pattern made of M.S.	kg	24 00	67.50	1,025.00
	sorsquare or round bars weided to steel frame of	- 1		1	
	indows etc. including applying a priming coat webled to frame				
	with all necessary litting compilete including applying a priming of				
1	red code znc chromete primer		1		5.017.00
A	Providing and fixing factory made PVC door frame of size	metre	14.50	345.00	5,017.00
	50x47mm with a wall thickness of 5mm, made out of extruded				
	5mm rigid PVC foam sheet mitred at corners and joined with 2 Nos				
Asi	of 150mm long brackets of 15x15mm M.S. square tube, the vertical				
/ 1	door profiles to be reinforced with 19x19mm M.S. square tube of				
	19 gauge, EPDM rubber gasket weather seal to be provided		Į.	9	
	through out the frame. The door frame to be fixed to the wall				
	using M.S. screws of 65/100mm size complete as per				
	manufacturers specification and direction of Engineer-in-Charge				
	Providing and fixing factory made 25mm thick PVC flush door	sqm	3 63	2583 00	9,376.25
8.150	shutters made out of a one piece Multi chamber extruded PVC				
	section of the size of 762mm X 25mm or less as per				
	requirement with an average wall thickness of 1mm ± 0.3mm				
	PVC foam end cap of size 23x10mm are provided on both				
	vertical edges to ensure the overall thickness of 25mm. An M.S.				
	tute having dimensions 19mm x 19mm is inserted along the				
	hinge side of the door. Core of the door shutter should be filled with				
	High Density Polyurethane foam. The Top & Bottom edges of the				
	shutter are covered with an end-cap of the size 25mm X 11mm				
	Shuffer are covered with an end-cap to the size about A This			-	
	Door shutter shall be reinforced with special polymeno				
	reinforcements as per manufactures' specification.	kg	60 00	75.00	4,500.00
9 13	Providing and fixing steel door window with M.S. sheet 1mm thick,	**3		7) ** 30	
	frame of angle iron, diagonal braces of angle/ fiat iron of suitable				
	size, 3.00 mm M.S. gusset plates at junctions and comers, all				
	necessary fittings complete including applying a priming coat				
and the second	of red code zinc chromate primer				
1111	Providing and making 6mm thick cament plaster of mix	com	2.30	87.00	200.10
12	In Cement mortar 1.4 (1 cement 4 fine sand)	sqm ,	2.00	07.00	200-11
1 112	Providing and making 12mm thick cament plaster of mix.		49.79	91.50	4,555.75
2.4	Le Coment Worder 1.6 (1 cement 6 fine sand)	sqm	43.13	31.50	4,555.11
5 113	Providing and making 15mm thick cement plaster on the rough		-		
	side of single or half brick wall of mix		00.00	407.00	2.552.05
3.4	to Coment Mortar 1 6 (1 cement 6 fine sand)	sqm	23.85	107.00	2,553.02
6 118	Providing and making 6mm thick cement plaster 113 (1 cement 3	sqm	17.64	105.00	1,852.20
	fine eard) finished with a floating coat of neat cement and a thick	Age to be			
-	coat of time wash on top of wall when dry for bearing of R.C.C. slab				00000000000000000000000000000000000000
	and beam				
7 14.12	madaca Jannied	sqm	60.74	23.00	1,397.02
14.12	@ 0.80 litrs/10 sqm) complete				
10 1100	the day nove and late of the area and a second the charles	一般性性		E PERSON	
8 14 22					
7	with: 1. Satin synthetic enamel paint	sqm	4.57	55.00	251 35
1					

1	KE	in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.	UNII	uit	KAIE	AMUUNI
新		Providing and filling in plinth with sand/ Crusher dust and hard moonum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc complete.	cum	5 49	371 00	2.036 79
21 1	12.9	Providing and laying ceramic glazed floor tiles conforming to IS 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete.				
	91	Size 300x300mm	sqm	12 97	692.00	8,975.24
22	14.13	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	sqm	35.80	94.50	3,383.10
23	14.11	Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade				#"
	1		sqm	25 30	52 50	1,328.25
24	14.9	Distempening with acrylic washable distemper to give an even shade				
	9	1 On new work (Two or more coats)	sqm	10.50	38.00	399.00
		water supply and sa	nitary fitting	ı Add Above	6%	147,093.9 8,825.6 13,238.4 169,158.0