

### कार्यालय, नगर पालिक निगम, कोरबा (छ.ग.)

मुख्य कार्यालय - साकेत भवन, आई.टी.आई. चौक, कोरबा (छ.म.)

दर्री जोन

<u>फा.क्र. / 714, 715, 716, 717 एवं 718 / निर्माण (दर्श जोन) / 2024 /</u>

कोरवा, दिनांक 07.06.2024

### निविदा आमंत्रण की सूचना

लोक निर्माण विभाग से एकीकृत पंजीयन प्रणाली अंतर्गत सक्षम श्रेणी में पंजीकृत ठेकेदारों से निम्नलिखित कार्य हेतु प्रमुख अभियन्ता लोक निर्माण विभाग, रायपुर द्वारा प्रचलित PWD Building SOR 01.01.2015 & PWD Electrical SOR 01.06.2020 से प्रभावशील दर अनुसूची पर (निविदा खुलने के दिनांक तक समस्त संशोधनों के साथ) कम अधिक या समान दरों पर तथा शेड्युल अनुसार आयटम दरों पर निम्नलिखित निर्माण कार्य हेतु मैन्युअल निविदा वेबसाईट से डाउनलोड कर बंद लिफाफा के माध्यम से आमंत्रित की जाती है :--

1. निर्धारित प्रारूप में निविदा प्रपत्र प्राप्त होने की अंतिम तिथि — 01.07.2024 सायंकाल 3:00 बजे तक

2. निविदा खलने की अंतिम तिथि

01.07.2024 सायंकाल 4:30 बजे तक

	2. निविष्य कुलन पर्य जात न				00-	कार्यावधि	ठेकेदार	निविदा
क्र.	कार्य का नाम	प्राक्कलन	धरोहर	निविदा	निविदा	4/141414	का वर्ग	खुलने की
		राशि में	राशि रू	प्रपत्र का	प्रपत्र		97, 41	अंतिम तिथि
			में	मूल्य				Oltri itti-i
	वार्ड क्र. ४६ प्राथमिक शाला							
	वाहनपाठ (अंग्रेजी माध्यम) में					24 1112	सक्षम	01.07.2024
1	नवीन स्कूल भवन का निर्माण	16,11,000/-	12,500 /-	750/-	Form-A	04 माह	श्रेणी	0210712020
	कार्य। (जिला खनिज संस्थान							
	न्यास, वर्ष 2024)							
	वार्ड क्र. ४७ प्राथमिक शाला						770777	
	सेंमीपाली में नवीन भवन का	14,21,000/-	11,000 /-	750/-	Form-A	०४ माह	सक्षम श्रेणी	01.07.2024
2	निर्माण कार्य। (जिला खनिज	1,121,000					ઝાગા	
	संस्थान न्यास, वर्ष 2024)							
	वार्ड क्र. 51 प्राथमिक शाला							
	केंदईखार में नवीन भवन का	14,21,000/-	11,000 /-	750/-	Form-A	04 माह	सक्षम श्रेणी	01.07.2024
3	निर्माण कार्य। (जिला खनिज	- , ,					ઝાગા	
	संस्थान न्यास, वर्ष 2024)							
	वार्ड क्र. 52 प्राथमिक शाला							
,	नगोईखार में नवीन भवन का	14,50,500/-	11,000 /-	750/-	Form-A	04 माह	सक्षम श्रेणी	01.07.2024
4	निर्माण कार्य। (जिला खनिज	, ,					ત્રળા	
	संस्थान न्यास, वर्ष 2024)							_
	वार्ड क्र. 51 लाटाघार नाग के							
	घर से कर्ल्चर मंच, राम प्रसाद							
_	कोटवार से पाईप लाईन तक	3,92,500/-	4,000 /-	750/-	Form-A	03 माह	सक्षम	01.07.2024
5	सी.सी. रोड का मरम्मत कार्य।	2,52,600.	.,			00 110	श्रेणी	
	(जिला खनिज संस्थान न्यास,	,						
	वर्ष 2024)							

निविदा की शर्ते:--

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

2. निविदा के दस्तावेज हाथो-हाथ न लिया जाकर रजिस्टर्ड पोस्ट अथवा स्पीड पोस्ट से प्राप्त किया जावेगा। अन्य माध्यमों यथा कोरियर सर्विस, साधारण डाक इत्यादि से प्राप्त अथवा समयावधि के पश्चात् प्राप्त निविदाओं पर विचार नहीं किया जावेगा। निविदा आयुक्त, नगर पालिक निगम, आई.टी.आई. चौक साकेत भवन, जिला-कोरबा (छ.ग.) पिन नं.-495677 के पते पर भेजना होगा। निर्धारित तिथि को सायं 3:00 के पश्चात प्राप्त निविदाएँ स्वीकार नहीं किए जावेंगे।

3. निविदा प्रपन्न नगर पालिक निगम, कोरबा के वेबसाईट www.korbamunicipal.in/uad.cg.gov.in डाउनलोड किया जाकर नवीन निविदा प्रपत्र Form - A/B/ABC (जारी दिनॉक तक समस्त संशोधनों के साथ) निर्धारित शल्क की डीडी के साथ संबंधित कार्य का नाम पूर्ण विवरण सहित भरकर भेजना होगा।

4. निविदा प्रपत्र त्रि-लिफाफा पद्धित से मान्य किया जावेगा जो निम्नानुसार होगा:-

प्रथम लिफाफा में ठेकेदार का जीवित पंजीयन प्रमाण पत्र, आयकर चुकता प्रमाण पत्र, निविदा सूचना आमंत्रण में (क्रमश:.....02) उल्लेखित अन्य दस्तावेज के साथ निर्धारित प्रपत्र शुल्क का डीडी, निविदाओं में निविदाकार को फिजिकल दस्तावेज के साथ निविदा सूचना जारी होने के पश्चात् दिनांक का शपथ पत्र जिसमें संबंधित कार्य का नाम एवं कार्य की निविदा क्रमांक अंकित हो प्रेषित करना अनिवार्य होगा एवं अमानत राशि का टी.डी.आर. / एफ.डी.आर. जो कि आयुक्त, नगर पालिक निगम कोरबा के नाम पर देय होगा प्रस्तुत करना होगा।

ब) द्वितीय लिफाफा में ठेकेदार द्वारा भरा हुआ निविदा प्रपत्र होगा।

(स) तृतीय लिफाफा में उपरोक्त दोनो लिफाफे होंगे तथा आवश्यकता पड़ने पर मूल अभिलेख प्रस्तुत करना होगा।

5. जिन ठेकेदारों द्वारा नगर पालिक निगम (साडा) के किसी ठेके के कार्य में अनुबंध के अनुरूप कार्य न किया गया हो अथवा नगर पालिक निगम (साडा) के हित के विरूद्ध कार्य किया गया हो उन्हें निविदा भरने की पात्रता नहीं होगी।

6. निविदा हेतु इच्छुक ठेकेदारों को उचित वर्ग में पंजीयन की प्रमाणित प्रतिलिपि यदि साझेदारी फर्म हो तो उसका प्रमाण पत्र (पार्टनरशीप डीड) की सत्य प्रतिलिपि, उपलब्ध तकनीकी अमले की जानकरी पिछले वित्तीय वर्ष का आय चुकता प्रमाणपत्र, पेन नम्बर, जी.एस.टी. (जीवित) पंजीयन एवं प्रशिक्षित यंत्री नियुक्त करने संबंधी प्रमाण पत्र, कर्मचारी भविष्य निधि संगठन,कर्मचारी, राज्य बीमा निगम रायपुर से पंजीयन एवं विस्तृत निविदा आमंत्रण सूचना (एनआईटी) हस्ताक्षरयुक्त निर्धारित प्रारूप में निविदा आमंत्रण सूचना के कंडिका क्र. 04 के अनुरूप लिफाफा (अ) में प्रस्तुत करना अनिवार्य होगा।

7. कार्य हेतु लिफाफे पर कार्य का नाम निविदा आमंत्रण सूचना कमॉक, निविदा खुलने की तिथि स्पष्ट रूप से लिखकर भेजना होगा।

8. निविदाकार का यह दायित्व है कि वे निविदा भरने के पूर्व स्थल का स्वयं निरीक्षण कर लेवें ताकि प्रारंभ करने में किसी प्रकार की कठिनाई न हो।

9. निर्धारित निविदा प्रपत्र में उल्लेखित कंडिकाऍ स्वमेव लागू मानी जावेगी एवं निविदा आमंत्रण सूचना निविदा का ही भाग माना जावेगा।

10. निर्धारित प्रारूप में निविदा प्रपत्र, निविदा प्रपत्र शुल्क, अमानत राशि, निविदा आमंत्रण सूचना पत्र में उल्लेखित दस्तावेज सही पाए जाने पर ही निविदा दर का लिफाफा खोला जावेगा अन्यथा निविदा निरस्त कर दी जावेगी।

11. ठेकेदार को अपनी दरें शब्दों एवं अंको में लिखना अनिवार्य होगा।

12. शासन के विभिन्न विभागों जैसे:— खिजन विभाग, श्रम विभाग, समाज कल्याण विभाग इत्यादि विभागों द्वारा समय—समय पर जारी निर्देशों/आदेशों के पालन की समस्त जिम्मेदारी संबंधित ठेकेदार की होगी।

13. ठेकेदार यदि कार्य को अपूर्ण स्थिति में छोड़ता है तो निविदा प्रपन्न में उल्लेख अनुसार इस संबंध में प्रावधान के अंतर्गत कार्यवाही की जावेगी।

14. कार्य प्रारंभ नहीं करने अथवा अपूर्ण स्थिति में छोड़ने पर निगम द्वारा ठेकेदार के विरूद्ध तत् समय में एम.आई. सी. द्वारा स्वीकृत प्रस्ताव के अधीन कार्यवाही की जावेगी जिसकी संपूर्ण जवाबदारी ठेकेदार की होगी।

- 15. सफल निविदा दाता से अनुबंध के समय अतिरिक्त परफार्मेंस राशि जमा कराई जावेगी जबिक निविदा की दरों में काफी कमी हो जैसे निविदादाता को निविदा दर एवं अनुमानित लागत से 10 प्रतिशत से अधिक निविदा दर होने पर सफल निविदादाता को निविदा दर एवं अनुमानित लागत के 90 प्रतिशत अंतर की राशि के समतुल्य परफार्मेंस गारंटी के रूप में राष्ट्रीयकृत बैंक का एफ.डी.आर. / टी.डी.आर. ऑफिस अथवा टाईम डिपॉजिट जो कि आयुक्त नगर पालिक निगम कोरबा के नाम से देय होगा, जो मांग तिथि से 15 दिवस के भीतर जमा करना अनिवार्य होगा। उपरोक्त राशि को जमा न करने की दशा में निविदा निरस्त कर दी जावेगी।
- 16. सम्पूर्ण किये गये कार्य के **लिये 5 प्रतिशत सुरक्षा राशि रिनंग देयकों के साथ 01 वर्ष हेतु साथ ही 5 प्रतिशत पृथक से 03** वर्ष की गारंटी के लिये परफारमेंस सिक्यूरिटी के रूप में रोकी जावेगी।
- 17. निविदा में भाग लेने वाले ठेकेदारों को छ.ग. भवन और अन्य सन्निर्माण 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।
- 18. निविदाकार को प्रत्येक निविदा में पंजीयन क्षमता के अंतर्गत वर्तमान में नगर निगम या अन्य विभागों में किये जा रहे कार्यों का विवरण राशि सहित मूल प्रति में वैध शपथ पत्र राशि रू. 100/— नॉन ज्यूडिशियल स्टॉम्प पेपर पर कंडिका क्र. 04 के प्रथम लिफाफा (अ) में प्रस्तुत करना अनिवार्य होगा।
- 19. ईंट से संबंधित निर्माण कार्यों में फ्लाई एश ब्रिक का उपयोग किया जाना अनिवार्य होगा।

20. निविदा प्रपत्र अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नही किया जावेगा।

21. निविदा के संबंध में किसी प्रकार की विवाद होने की स्थिति में आयुक्त के द्वारा अधीनस्थ अधिकारियों का निर्णय अंतिम एवं सर्वमान्य होगा।

22. निविदा प्रपत्र Form-A के क्लॉज नम्बर-11 अनुसार एस्केलेशन देय नहीं होगा।

23. निविदा स्वीकृत करने अथवा अस्वीकृत करने का अधिकार आयुक्त, नगर पालिक निगम के पास सुरक्षित रहेगा।

//03//

24. निविदा खुलने की तिथि में अवकाश होने पर आगामीं तिथि (कार्य दिवस) को निविदा संबंधी कार्यवाही मानी जावेगी। नोट:-

1. अमानत राशि के रूप में एफ.डी.आर. /टी.डी.आर. अथवा नगद जमा रसीद पृथक से लिफाफे में स्वीकार किए जावेंगे आयुक्त, नगर पालिक निगम, कोरबा के नाम पर देय हो।

2. उपरोक्त तिथियों में किसी भी तिथि को शासकीय/स्थानीय अवकाश होने की स्थिति में अगले कार्य दिवस को

निर्धारित तिथि समय एवं स्थान माना जावे।

प्रोग्रामर, संचालनालय, नगरीय प्रशासन एवं विकास विमाग, नया रायपुर (छ.ग.) को Uad.cg.gov.in में अपलोड प्रतिलिपि :--किये जाने हेतु प्रेषित।

(ठेकेदार के हस्ताक्षर)	कार्यप्रस्थि अभियंत्र नगर पालिक निग कोरबा (छ.ग.)
नाम	/ कोरबा (छ.ग.)
पूर्ण पता	
**************************************	
मोबाईल नं	

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

	ne of Work: Construction of Primary school	Nagolkha	ar New	Schoo	ıl Bulldine	at ward E	2		2 -
							<u> </u>		1
MAS AC	per Sor :- Schedule of Rates Public Works Depair	rument [ P	WD BU	ILDING	S 01-01-20	15]			
Sno	per Sor :- Schedule of Rates Public Works Department						10.00		
1	Surface dressing of the ground including removing	N	L	В	H/D	Qty	Unit	Rate	Amount
	vegetation and making up undulations and in-	į.			1 1	1			A *
1	equalities not exceeding 15 cms in depth/height	1 1			l	1			
1	including disposal of rubbish upto 1.5 m lift and	1							
	lead upto 50m (at least 5m away from the dressed	1 1	}						
		1	14	10		140.000			
		— i			-		Sqm	7.2	1008
	Excavation for all types and sizes of foundations,					P			
	trenches and drains or for any other purpose	ļ	( )					١	
,	including disposal of excavated stuff upto 1.5 m lift	1						Ì	
1	and lead upto 50m (at least 5m away from the	1	[	*		\ <b>\</b>			
	excavated area), including dressing and leveling of	1				ļ		1	1.
	pits	42	4.50	1.50	1.50	54.000	<del></del>		
	In all types of soils.( Foundation )	16	1.50 69.10	0.30	.,,,,	6.219			
_	Excavation below wall  Dead Foundation	-16	69.10 1.50	0.30	0.30	-2.160			
	Step	-16	3.00	0.90	0.10	0.270			
}	Platform	1	1.10	0.30	0.10	0.033			
(	ramp	1	4.00	0.30	1,011.0	0.120	<del>     </del>	405	10819.17
			11		Total	58.482	cum	185	10018.17
-	Providing and filling in plinth with sand/ Crusher					ļ	1 1		ľ
i	dust and hard moorum under floor in layers not	- 1					1	-	1
3	exceeding 20cm in depth consolidating each	1				l	1		1
- 1	deposited layer by ramming and watering,		5					1	
	including dressing etc. complete.		10	4.55	0.10	3,600			
		16	1.50	1.50		2.073	<del>                                     </del>	<del></del>	
7	Excavation below wall	1	69.10	0.30	0.10		+		1
-	Step	1	3.00	0.90	0.10	0.270	-	-	÷.
-+	Platform	. 1	1.10	0.30	0.10	0.033		-	
÷		1 🕺	4.00	0.30	0.10	0.120	-		
+	ramp	3	6.00	4.50	0.10	8.100	1	<u> </u>	1
	Class	1	4.50	2.90	0.10	1.305			۵
c	Office	1	2.80	2.90	0.10	0.812	3		V
V	/erandah	-	2.00		Total	16.313	cum	371	6052.12
T			-	<del>                                     </del>	iotai	123.313	1 3411	<del>                                     </del>	
+		1			1			ľ	
Fi	illing from available excavated stuff (Excluding		ļ				١	}	
	in the sides of foundation etc	Ξ		1	1			1	1
	and averaging 20cm in depth consolidating	-# =			1			1	
	ab denocited layer by ramming and watering	1	58.48		0.80	46.786	cum	65	3041.0
	ish a lead unto 50 M, and lift upto 1.5 Wi.		50.40	_	1 3.33	1	7		
Dr	royiding filling and compacting local earth	' 	-	1			1		
15.	-om approved source plt) in layer not	3.			*	,	1		[
~~	cooding 20cm in depth consolidating each	, 		1	,	1	1		
e)	eposited layer by ramming and watering,	•	L				_		
đ٤	:hositen jaket nå tallilling om til	3	6.00	4.50	0.50	40.5	50		
Cla	ass	1	4.50	2.90	0.50	6.	53		- "
Of	fice		2.80	2.90		4.0	06		1
-	randah	1	2.00	100	Total		09 Cum	242.	.00 12362.
۳					Tiotal	31,	<u> </u>		

	ITEM DESCRIPTION  Idling and laying nominal mix plain cement	N	L						1
	on the with crushed stone aggregate using			В	HVD	Qty	Unit	Rate	
	concaste mixer in all works upto plinth level						2 5 12 1	ruates .	Amount
						1	1	1	
	1:4:8(1 cement : 4 coarra cond							ì	d.
_	aggregate 40mm nominal size).	1							3
_									
	Excavation below wall	16	1.50	1.50	0.10	3.600			
	Step	1	69.10	0.30					
	Platform	1	3.00	0.90	21. 17	2.073			
	ramp	1	1.10	0.30		0.270		1	
	Class	1	4.00	_		0.033	= 1		
	Office	3		0.30	0.10	0.120			
-			6.00	4.50	0.10	8.100			
-	Verandah		4.50	2.90	0.10	1.305			
$\vdash$		1	2.80	2.90	0.10	0.812			
	Providence					16.313	cum	2659	43376.27
7	Providing and fixing form work including centring,			1	e e	100		2000	433/6.2/
				. 4	1			1	
							•		1
A		-	1	-		ω,			
L	beam, curtain wall in any shape and size and all type of wall below plinth level.		1 1						
	Foundations		1 1						1
		16x4	1.30		0.30	24.960	<del>                                     </del>		
<u></u>	column upto plinth level	16x4	0.80		0.20	10.240			
<u> </u>		16x2	0.20		1.20	7.680	-		-
<u> </u>	plinth beam	16x2	0.30		1.20	11.520			<del>  </del>
⊢		2	69.10		0.30	41.460	7 7	1	
В	Columns, Pillars, Piers and likes- rectangular or		1		, V = 1	95.860	sqm	139	13324.54
_	square in shape								10024.04
_		16x2	0.20					_	Ē,
_		16x2	0.30		3.90	24.960		-	
$\dashv$		12.4	7		3.90	37.440			
c	Suspended floors roofs		1000			62,400	sqm	297	18532.8
	Suspended floors, roofs, access platform, balconies							. P3	1 - 1
-	(plain surfaces) and shelves (cast in situ)		3				1	1	1
7		1	13.20	8.60		113.520	+	-	
$\dashv$		1	5.50	3.10		17.050	+	-	
DI	Weather shade chhalla Comiana					130.570	-	-	
1	Weather shade, chhajja, Cornices and mouldings					1230,370	sqm	235	30683.95
+		7	1.50	0.75		7.875	+-	-	
+		1 .	7.70	0.75		5.775	+-	-	11 11 11 11 11 11 11 11 11 11 11 11 11
ER	eams, lintels, cantilevers & walls					13.650	+-	+	* -
T <sub>ii</sub>	ntel beam					1-5.00	sqn	294	4013.1
	ab beam	2	69.10		0.25	69.100	+-	-	and the
+	oo bediii	2	69.10		0.25	69.100		-	
10	roylding and laulage and laula	2000			-	138.20	_	-	
	roviding and laying nominal mix reinforced	-			F 10	138.20	o sqr	n 20:	2 27916.4
B	ement concrete with crushed stone aggregate		1		T.	3	2 1 -		
	sing concrete mixer in all works upto plinth level					1	1		
11	xcluding cost of form work.		87.19	70		-		1	l
	1X:3 (1 cement : 1X coarse sand : 3 graded stone			1 14		-			46
_ a	gregate 20mm nominal size).		- a F	į.		E.			
16.	poting	16	1.30	1 20	2.00	**		1	
150				1.30	0.30	8.112		1	
1				1 0 00	4	-			
1	plump upto plinth Bassa	16	0.80	0.80	0.20	12.048		7	44.75
C	olumn upto plinth Beam inth beam	16	0.80	0.80		2.048 1.152			

والمتعادلة المتعادلة

	ITEM DESCRIPTION					-				
1	UMN upto lintel level	N	L	В	H/D	los				
	eam eam	16	0.20	0.30	2.10	Qty	Unit	Rate		Amount
47.00	LUMN upto Slab	1	69.10	0.20	0.25	2.016 3.455				
sial		16	0.20	0.30	1.20	1.152				
+		1	13.20	8.60	0.12	13.622	-			
T-1	Beam	1	5.50	3.10	0.12	2.046	+	-		
$\neg$		3	4.90	0.20	0.50	1.470	+			
Ch	hajja	11	3.30	0.20	0.50	0.330	-	-	-	
		7	1.50	0.75	0.10	0.788		-	-	
		1	7.70	0.75	0.10	0.578	-	-	_	
Pr	oviding and placing in position reinforcement for			-		40.914	-	-	-	
1,,,,,	See work including straightening and the					140.514	cum	416	3 17	70328.6472
a Inc	mains, binding etc. complete as mend		1				1		-1	
	cidding cost of binding wire in foundation		1				-	1		1
pl	inth all complete:		1	_			1			1
T	nermo-Mechanically treated bars FE 415							1		
1/.	J Drick Work with module- G		110kg	/cum		4500.5	84 kg	54.	-	245224.22
						7,500.5	SA NO	1 34.	5 1	245281.828
cl	ass designation 4.0 in foundation and plinth in		.1	1						İ
c	ement Mortar 1:6 (1 cement : 6 coarse sand)						1			
- 15	rick work below Plinth Level					_		+-	-	
B	/w upto Lintel level	1.	69.10	0.30	0.50	10.365		-	-	
B,	/w upto Lintel Slab	1	69.10	0.20	2.10	29.022			$\dashv$	
S1	tep	1	69.10	0.20	1.50	20.730				
$\dashv$		1	3.00	0.90	0.20	0.540				
- In	atform	1	3.00	0.60	0.20	0.360				
_	actorm	1	1.10	0.30	0.20	0.180				
		1	4.00	0.20	0.90	0.132	-	-		
ch	educt opening (-) Dead Column nannel gate	-16	0.30	0.20	0.50	-0.480		+-		
	rindow	? <b>-1</b>	2.80	0.20	2.10	-1.176		+-		
_	por	-7	1.50	0.20	1.20	-2.520		+		
ve	ntilation	-4	1.10	0.20				+		
		-11	0.60	0.20	0.50	-0.660	5	+		
E	ctra for brick work in superstructure above plinth		-	+		55.36	5 Cur	n 3	263	180655.99
ושון דר	ver for every floor or part thereof in addition to		T &							100000.99
rai	te for foundation and plinth:	-	3							1
12	.13 Providing and laying vitrified floor tiles with		<del>                                     </del>	-	-	45.60	6 Cu	m   1	21.00	5518.326
100	ouble charge/ multi charge			1		-		1		-510.020
pri	inting with water absorption less than 0.5% and					1		-		
co	ntorming to IS:									- 1MC-4
12 22	622 of approved make in all colours and shades d size mentioned			4	l			1		
			1			- 1				
me	low (+/- 10mm), laid on 20mm thick cement	10.		ł			3	1		*
CO	ortar 1:4 (1 cement : 4		1		3		A			
	arse sand) including grouting the joints with nite cement and	1								
					1	١		\$		1
12	atching pigments etc. complete .13.1 Size 600x600mm									1
		1			-	-	-			
Cla	220	3	6.0	1/45						
Of	fice				1	81.	000	-		+
Vo	randah	1	4.5	0 2.9	0	13.	050	-	_	
	and the state of t	1	2.8	0 2.8	0					
110	tal Skirting Length	1	89.2			8.1				
- De	ed Opening Length	-1	7.0		0.	123.	380		- W. V.	100
- A		1	<del></del>	<del>-</del>	0.	15 -1.0	050			
		_				111	4.500	sqm	1151	131789.

								Bata T	Amount
	ITEM DESCRIPTION	N	L	В	H/D	Qty	Unit	Rate	Amount
	The steel deer / window with M.S.					1 1		. 4	
							1	1	
	bracks of angle/ flat iron of suitable size, 3.00 mm						1		
	bracks of angle/ flat from or suitable size, bracks of angle/ flat from or suitable size, bracks of angle/ flat flowers and corners, all M.S. gusset plates at junctions and corners, all	- 1							
13	M.S. gusset plates at junctions the territoring and mecessary fittings complete including applying a necessary fittings complete including applying a							ľ	
	priming coat of red oxide zinc chromate primer.								
1	priming coat of red datas since and the	4	1.10	2.10	30kg/sqm	277.200			
-	Door	7	1.50	1.20		497.000			
-	Window	11	0.60	0.50	30kg/sqm	82.500			
	ventilation	1	1.00	1.00		55.000		75	8377.5
1	ramp handle		3		total	911.700	kg	<del>-15</del>	0377.0
	in the setting collansible steel								
	Providing and fixing in position collapsible steel						l		
	shutters with vertical channels 20x10x2mm and							3330	18181.8
	braced with flat iron diagonals 20x5mm size with	1	2.60		2.10	5.46	mpa	3330	- ,
1	top and bottom rails of T-Iron 40x40x6mm with	-		1				1	1
	38mm steel pulleys complete with bolts, nuts, locking arrangement stoppers, handles including			1 1		1 1		-	
	applying a priming coat of red oxide zinc chromate			1					1
1.						<u> </u>			
114	primer.  Providing and making 12mm thick cement plaster of	,							
15	mix.			J		<del>                                     </del>			
	In Cement Mortar 1:5 (1 cement : 5 fine sand)		12.53		2 20	207.900			
H	inner plaster class room (6 + 4.5)	3x2	10.50	-	3.30 3.30	48.840	-	-	Ç
F	OFFICE (4.5+2.9)	1X2	7.40		3.30	37.620	$\neg \neg$		
F	VERANDAH (2.8+2.9)	1X2	5.70		2.10	-5.460			
	Deduct Opening (-) (channel Gate)	-1	2.60 1.10		2.10	-9.240	1		
	door	<u>-4</u> -7	1.50		1.20	-12.600			
	window	-11	0.60	- 1	0.50	-3.300			
	ventilation	-11	0.00		Total	263.760	sqm	96.50	25452.84
L	11.3 Providing and making 15mm thick cement								
	plaster on the rough side of single or half brick wall				-				1
16	of mix	,							£.,
_	In Cement Mortar 1:5 (1 cement : 5 fine sand)								
$\vdash$	outer plaster	2	12.60		4.00	100.800			
L	outer plaster	2	11.10		4.00	88.800			12 2 2
_		- 1			Total	189.600	Sqm	113.00	21424.8
_	a tri de abine 2mm thick ready mix	13				-			
	Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla		4		-		i .		}
	wall care, Alltek Superfine W/R of (NCL), Asian,			į.					
17	ICI, Nerolac, J.K. wall putty) on walls to make the						1		
	surface smooth and even.		1	1	1				
		NI		1			-		
	Ceilling Class	3	6.00	4.50		81.000		, , , =	
	Office	1	4.50	2.90		13.050		1	
	Verandah	1	2.80	2.90		8.120			11 12
	inner plaster class	1	263.76			263.760			
	outer plaster	1	189.60			189,600			
					total	555.530	sqm	94.50	52497.59
18	Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade.							34.30	UL-161.38
	On new work (two or more coats)	1	365.93		-	365.930	+		10711 777
	Painting exterior surface with ACRYLIC SMOOTH	1				203,330	Sqm	52.50	19211.325
			1	I	1	1			
	exterior paint of required shade as per			I .	1		- 1	1	
19	exterior paint of required shade as per manufacturer's specifications to give protective and	r					p <sup>4</sup>		
19	exterior paint of required shade as per								

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ITEM DESCRIPTION	N	L	В	H/D	City	Unit	Rate	Amount
w work (Two or more coats applied @ 1.43 sqm over and including priming coat of potent primer applied @ 2.20 kg/ 10 sqm)	1	189.60			189.600	Sqm	56.00	10617.8
14.22 Painting on new work (two or more coats) to give an even shade with:								
Satin synthetic enamel paint	2	7.00	1.50	1.20	25.200	$\vdash$	529.20	
	2	4.00	1.10	2.10	18.480		162.62	
	1	2.80		2.10	5.880	$\vdash$	16.46	
	11	0.60		0.50	3.300		21.78	
					52.860	Sqm	55.00	2907.3
					80.520	Sqm	55.00	4428.6
14.41 Lettering with black Japan paint, per cm	1300			2.50	3250.000	per letter	0.70	2275
1.26 Carriage by mechanical transport upto 5 km lead:								
1.26.1 Earth	1.00	51.09			51.09	Cum	111.00	5670.44
			art A- A	s per SO	R Total Est	imate A	mount Rs	1135747.0
					B- for elec			1



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

Sub :- Internal Electrification Work in Primary school Nagoikhar New School Building at ward 52

Ref. no    WIRING IN CONCEALED PVC conduit	tral ity, e 6 ilar the per  Point Point Point	Rate	Qty	Amount
1.10 Wiring for light plug point with 3x2.5 sq mm FRLS PV insulated stranded copper conductor wire for phase, neutral and earth in concealed FRLS PVC conduit (heavy durithickness of pipe should be 2 mm) along with modular type Amp switch and 3 pin 6 amps socket outlet with modular base and cover plate, suitable size G.I. box, earthing the switch box and socket outlet with same size wire etc. as prescribing specification and IS: 694 (2010), IS: 9537 (2000 Part 5)  1.10.1 Short Point 1.10.2 Medium Point 1.10.3 Long Point 1.11 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 durithickness) and earth in concealed FRLS PVC co	tral ity, e 6 ilar the per  Point Point Point	442 00		
specification and IS: 694 (2010), IS: 9537 (2000 Part 5)  1.10.1 Short Point 1.10.2 Medium Point 1.10.3 Long Point 1.13 Wiring for circuit/ sub main wiring along with earth wire w the following sizes of FRLS PVC insulated copper conductor, wire in concealed FRLS PVC conduit (heave	Point Point Point	442 00		
1.10.2 Medium Point     1.10.3 Long Point     1.13 Wiring for circuit/ sub main wiring along with earth wire w the following sizes of FRLS PVC insulated copper conductor, wire in concealed FRLS PVC conduit (hearth).	Point Point	442 00		
1.10.2 Medium Point     1.10.3 Long Point     1.13 Wiring for circuit/ sub main wiring along with earth wire w the following sizes of FRLS PVC insulated copper conductor, wire in concealed FRLS PVC conduit (hearth).	Point Point		16	7072
1.13 Wiring for circuit/ sub main wiring along with earth wire w the following sizes of FRLS PVC insulated coppe conductor, wire in concealed FRLS PVC conduit (hear	Point	659.00	8	5272
1.13 Wiring for circuit/ sub main wiring along with earth wire w the following sizes of FRLS PVC insulated coppe conductor, wire in concealed FRLS PVC conduit (hear		922.00	6	5532
duty, thickness of pipe should be 2 mm) as per specificati and IS: 694 (2010), IS: 9537 (2000 Part 5)	er vv			
1.13.1 3 X 1.5 sq. mm in 20mm conduit	Metre	92.00	70	6440
1.13.2 3 X 2.5 sq. mm in 20mm conduit	Metre	111.00	70	6440
5 SWITCHES & ACCESSORIES	ivietre	111.00	70	7770
5.1 Supplying and fixing following piano type switch, socked other accessories on the existing switch box/ cover includi connections etc. as per specification.  5.1.13 Ceiling rose 3 pin 5 amps	ing			
5.1.13 Ceiling rose 3 pin 5 amps 5.1.15 Batten/ angle holder	Each	32.00	14	448
Supplying and fixing following modular switch, socket, oth accessories on the existing modular plate & switch be including connections but excluding modular plate etc. as p specification.	ox per	38.00	15	570
Fan regulator (one module size) electronic stepped type moving all rounds  FANS, LUMINARIES AND LAMPS	pe Each	186.00	14	2604
Supplying, installation, testing and commissioning of following sizes ceiling fan including wiring the down rods standard length up to 30 cm with 1.5 sq. mm FRLS PV insulated, copper conductor, single core cable, earthing expensions of complete as required. P.F. should be greater than 0.9, with BEE Star rating from 3 star and above, IS: 374:201 including all amendments.	of /C etc.			
5.1.3 1200 mm sweep				
Supplying, fixing, testing and commissioning of following LED lamps with inbuilt electronic driver heat sink and a other accessories in existing holder/ luminaries as perspecification and P.F. should be greater than 2.0 d. T.T.	all	1697.00	14	23758
efficacy ratio ≥ 100 lumens /watt.				
efficacy ratio ≥ 100 lumens /watt.				

S.N o.	Ref. no	Item of Work	Unit	Rate	Qty	Amount
	6.19	Supplying, installation, testing and commissioning of following LED tube light fitting including batten with Electronic Driver Heat sink Capacitor complete with all other accessories on surface/ in false ceiling, including connection, earthing etc complete as per specification and IP20, P.F. should be greater than 0.9. LED chip efficacy ratio ≥ 100 lumens /watt.				
	6.19.3	18/20 watt {4 feet}	Each	443.00	16	7088
9	6.28	Supplying, installation, testing and commissioning of following 230/250 volts LED street light fitting with all accessories like driver, heat sink made of die cast aluminium with IP 66 protection and 15 KV surge protection on pole bracket, including connection, earthing, Separate housing for driver etc complete as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio ≥ 120 lumens /watt.				
	6.28.7	60 watt	Each	3622.00	3	10866
	9.4	Supplying and fixing on surface/ recess horizontal type following way, 415 volts, TPN MCB distribution board of sheet steel phosphatized and powder painted, complete with tinned copper busbar, neutral busbar, earth bar, din bar, detachable gland plate, including interconnections, earthing etc. as per specification. (But without MCB/RCCB/Isolator)				
10	9.4.1	4 way Single door	Each	1317.00	1	1317
11	9.12	Supplying and fixing DP MCB, 240 volts, 'C' curve, suitable for lighting and other loads in the existing MCB DB complete with connections, testing and commissioning etc. as per specification.				
11	9.12.2	6 amps to 32 amps	Each	411.00	14.	5754
	12	EARTHING				0
12	12.2	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)	Set	3734.00	1	3734
	12.18	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/concealed conduit/ submain wiring/ cable as per specification.	Metre	19.00	42	798

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	Ref. no	Item of Work	Unit	Rate	Qty	Amount
14		Supplying and hanging following sizes one number FRLS PVC insulated /XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade on GI bearer wire (binded at every metre) including cost of bearer wire complete as per specification, IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1).				
-	15 11 2	2 x 10 sq. mm. on 8 SWG GI bearer wire	Metre	103.00	39	4017
-	15.11.5	As per SOR Total Estimate Amou	nt Rs.			96473.00



me of Work :- Dismantling of Old School Building

As per Sor :- Schedule of Rates Public Works Department ( PWD BUILDING 01-01-2015)

AS P	er Sor :- Schedule of Rates Public W	OLKS	реракте	nt   Pv	AD BOILDII	VG 01-01-2	010]		
Sno.		N	L	В	H/D	Qty	Unit	Rate	Amount
1	16.42 Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metre lead				:	·			
		12	0.20	0.40	4.20	4.03			
		1	98.20	0.20	0.30	5.89			
		2	98.20	0.20	0.20	3.93			
		1	19.50	7.50	0.12	17.55			
		1	19.50	0.60	0.10	1.17			
					Total	32.57	Cum	768.00	25015.30
2	16.45 Extra for scrapping cleaning and straitening reinforcement obtained on demolishing of R.C.C. or R.B. work	1	3582.92			3582.92	kg	2.10	7524.13
3	16.3 Demolishing brick masonry including arches, stacking of serviceable	ţ		2	-	3302.92	, kg		
3	material disposal of unserviceable material within 50 metres lead.		6	7					
_	16.3.3 In cement mortar	1	96.5	0.2	4.8	92.64			
_		1	55.1	0.2	0.8	8.816			N-22
4					Total	101.456	-		
	16.26 Dismantling doors chowkhats with shutters (steel or wood) including architrave, hold fast etc. complete and stacking within 50 metres lead.	9				9	Each	100.00	900.00
c w a si	.6.27 Dismantling windows howkhats with shutters (steel or vood) including rchitrave, hold fast etc. complete and tacking within 50 metres lead	6	,			6	Each	66.50	0.00
ls gi ri di	6.31 Dismantling steel work in built- p section in angles, channels, flats ection and T-section including all usset plates, bolts, nuts, cutting vets, welding etc., including ismembering and stacking within 50 netres lead.	1	2 .	2.4	30	144	kg	1.0	0 144.0

Taking out stone/ rete/wooden lintels from building masonry of doors windows or any other opening for thickness upto 15 cm.		20			80	Metre	73.00	5840.00
1.26 Carriage by mechanical				-				·
transport upto 5 km lead:	4.					}		
1.26.3 Dismantled Building debris (Mulba)	1	134.03			134.03	cum	91.50	12263.56
			As	per SOR T	otal Estin	nate Am	ount Rs.	78768.92

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

Vork :- Maltenance , Renovation and Strenthing work of Toilet Block

per Sor :- Schedule of Rates Public Works Department [ PWD BUILDING 01-01-2015]

3 P	F Soi :- Concedit of Mates 1 abile 4401ks Depart	ment	PWDE	SUILUI	NG 01-01	-2015)			1
no.	ITEM DESCRIPTION	N	L	В	H/D	Qty	Unit	Rate	Amount
1	14.45 Removing dry or oil bound distemper by scraping sand papering and preparing the surfaces smooth including necessary repair to scratches etc. complete				,				
	toilet Block	2	3.30		3.00	19.80			
7		2	1.60		3.00	9.60			
	CHHAJJA	2	3.60	0.70		5.04			
		2	7.00	0.70		9.80			
	ceiling	1	3.30	3.00		9.90			
	Tollet Block	1	3.00	1.40		4.20			
				Ne	Total	58.34	sqm	5.20	303.37
2	14.46 Removing old paint or polish by paint remover or blow lamp or any other means as approved including preparing the surface smooth after removing the paint								l r
		2	2.00		2.10	16.80			
		2	1.00		2.10	16.80			
			<del>                                     </del>		Total	33.60	sqm	32.50	1092.00
3	16.8 Dismantling flag stone flooring laid in cement/lime mortar including stacking of serviceable material and disposal of unserviceable material within 50 metre lead.	1		4.					
		1	4.20	3.20		13.44			
		-1	3.00	1.50	-	4.50			
					Total	17.94	Sqm	57.00	1022.58
4	17.1 Repairs to plaster in patches of area 2.5 sq. metres and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls with cement mortar 1:4 (1 cement: 4 fine sand) complete including disposal of rubbish to the dumping ground within 50metres lea				3				
	17.1.1 Thickness upto 15mm	10	1.10		0.90	9.90			4.
$\neg$		9	0.90		0.90	7.29		to some	
$\dashv$		8	0.90		0.75	5.40			
-					Total	22.59	Sqm	132.00	2981.88
5	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		i		\$ 2			3	
	In all types of soils. ( septik tank)	1	3.90	2.40	2.80	26.2	1		.7
						26.2	1 cum	185	4848.48
6	Brick work with modular fly-ash lime bricks (FALC Bricks) confirming to IS:12894-2002 of class designation 40 in foundation and plinth in:				×				

	ITEM DESCRIPTION	N	L	120		7		<del>, , , , , , , , , , , , , , , , , , , </del>	
	ment Mortar 1:6 (1 cement : 6 coarse sand)	-		В	H/D	Qty	Unit	Rate	Amount
		1	3.20	0.20	0.60	0.38	_	L.	1 - 1
	#	1	4.50	0.20	0.60	0.54	,		
-	Providing and laying nominal mix cement concrete			1	Total	0.92	Cum	3350.00	3095.40
	Will crostice stolle appreciate ties								
7	in foundation, plinth and at ground level excluding cost of form work.		9				Ĩ		}
1	Cost of form work.					, ,		1	
	1:3:6 (1 cement : 3 coarse sand : 6 graded stone		-	-					
	aggregate 40mm nominal size).	1	3.30	1.50	0.10	0.50			ļ
		_	-						
		1	3.60	2.40	0.10	0.86			
	Providing and fixing formwork including centering,			-	otal	1.36	Cum	2789.00	3790.25
8	Shuttering, Strutting, Staging proposing benein-					1		ł	1
-	complete and including its removal at all levels, for:								
	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all								
	type of wall below plinth level.		'				- 1	y	
		4	3.30		2.40	31.68			
		6	1.80	-	2.40	25.92			
1				T	otal	57.60	Sqm	294.00	16934.40
	3.2 Providing and laying nominal mix			Т		+			
1	reinforced cement concrete with crushed								
9	stone aggregate using concrete mixer in all	,					1		}
-	works upto plinth level								_
	3.1.5 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).		l.		1		2		
$\vdash$	Septic tank	-	2.60		7				
<u> </u>	Septie talk	2	3.60	0.20	2.40	3.46			
<u> </u>		3	1.80	0.20	2.40	0.86	4.		
	and the second	1	3.60	2.40	0.15	1.30		- 1	
	cover	1	3.60	2.50	0.12	1.08	1	1	
				T	otal	6.70	Cum	4163.00	27875.45
10	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting,	ı!	·						
	bending, binding etc. complete as per drawings		4						
	including cost of binding wire in foundation and						- 1		7.
	plinth all complete:								
	There the baries between the bare EE 41E		6.70	60 1	kg/cum	334.80	kg	54.5	18246.6
	Thermo-Mechanically treated bars FE 415 14.22 Painting on new work (two or more coats) to		0.70	30,	Ng/Cuiii	334.00	<b>N</b> g	34.3	10240.0
11	give an even shade with:								
	14.22.1 Satin synthetic enamel paint		1						
-		2	2.00		2.10	16.80			Commission II 1977   17
		Ė			Total	16.80	sqm	55.00	924.00
-	14.13 Providing and applying 2mm thick ready mix							1	
	exterior grade approved make putty (like Birla wall						1		
	care, Alltek Superfine W/R of (NCL), Asian, ICI,		58.34			58.34	sqm	94.50	5513.13
	Nerolac, J.K. wall putty) on walls to make the								-
	surface smooth and even.		10 g = 20 4 1	14. H				1	

Applying one coat of cement primer on wall (applied © 0.80 pipe) (		W. T. ITTAL									
### Applying one coat of cement primer on wall specified to 80.0   14.11 Wall painting with acrylic luxury emulsion to give an even shade.    14.11 Wall painting with acrylic luxury emulsion to give an even shade.   14.11.2 On old work (one or more coats   29.17   29.17   5qm   33.50   977.20	K	ITEM DESCRIPTION	N	L	P	HID	Ohi	Heli	Da4-	Ambre	
14.11 Wall painting with acrylic luxury emulsion   14.112 On old work (one or more coats   14.112 On old work (one or work   14.112 On old work		Applying one coat of cement primer on wall				NO	diy	Unit	Kate	Amount	
14.11 Wall painting with acrylic luxury emulsion to give an even shade.   14.11 Wall painting with acrylic luxury emulsion to give an even shade.   14.112 On old work (one or more coats   29.17   29.17   33.50   1341.82   12.9 Providing and laying ceramic glazed floor tiles conforming to 15: 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar the joints with white cement mixed with matching pigment etc., complete.   12.9.2 Size above 300x300mm		E (applied @ 0.80					1	1		1	
14.11 Wall painting with acrylic luxury emulsion to give an even shade.   14.11 Wall painting with acrylic luxury emulsion to give an even shade.   14.112 On old work (one or more coats   29.17   29.17   33.50   1341.82   12.9 Providing and laying ceramic glazed floor tiles conforming to 15: 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar the joints with white cement mixed with matching pigment etc., complete.   12.9.2 Size above 300x300mm		ins/10 sqm) complete			i			}	1		g I
14.11 Wall painting with acrylic luxury emulsion to give an even shade.		1		50.01							1
1,1 Wan planting with acrylic luxury emulsion   1,2 Providing and laying ceramic glazed floor tiles conforming to 15: 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1: 4 (1 cement : 4 coarse sand) including pointing planting planti	To			58.34			58.34		1		7
to give an even shade.  14.11.2 On old work (one or more coats  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.  12.9.2 Size above 300x300mm  1 3.30 2.50 8.25  12.7 Providing and fixing ceramic glazed wall tiles conforming to IS: 15622 of approved make, colours, shades and size on wall and daddso over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching pigment complete.  12.7.1 Size upto 200x300mm  1 9.50 2.10 19.95  4.16 Providing and laying 3mm thick APP (Atactic Polypropylene Polymer) modified perfabricated five layer 3mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 Itr/sqm. by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ltr and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be a under Joint strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and	-	14.11 Wall painting with accult.	к "=		1	Total	58.34	sqm	23.00	1341.82	7
lo give an even shade.  14.11.2 On old work (one or more coats  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.  12.9.2 Size above 300x300mm  1 3.30 2.50 8.25  12.7 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 pigment complete.  12.7.1 Size upto 200x300mm  1 9.50 2.10 19.95 sqm 587.00 11710.65  4.16 Providing and laying 3mm thick APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 ktr/sqm. by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ltr and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be a under Joint strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and	14	(plastic) paint of required the de						<del>                                     </del>	<b>-</b>		┨
14.11.2 On old work (one or more coats  12.9 Providing and laying ceramic glazed floor tiles conforming to IS: 1562.2 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.  12.9.2 Size above 300x300mm  1 3.30 2.50 8.25  12.7 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 in white cement mixed with matching pigment complete.  12.7.1 Size upto 200x300mm  1 9.50 2.10 19.95  4.16 Providing and laying 3mm thick APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 tr/sqm. by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ltr and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be a sunder sloint strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and transverse		to give an even shade	11			1		1		ł	I
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 14 (1 cement: 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete.  11.9.2 Size above 300x300mm 1 3.30 2.50 8.25  12.7 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 pigment complete.  12.7.1 Size upto 200x300mm 1 9.50 2.10 19.95  4.16 Providing and laying 3mm thick APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 tit/sqm. by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ltr and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be a under Joint strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and tears are complete.	$\vdash$	14.11.2 On old work force						1			ı
12.9 Providing and laying ceramic glazed floor tiles conforming to 15: 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.  12.9.2 Size above 300x300mm  1 3.30 2.50 8.25  12.7 Providing and fixing ceramic glazed wall tiles conforming to 15: 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 pigment complete.  12.7.1 Size upto 200x300mm  1 9.50 2.10 19.95  4.16 Providing and laying 3mm thick APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 ltr/sqm. by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ltr and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be a under Joint strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and tears are strength	-	on old work (one or more coats		29.17			29 17			- 1	ł
colour, shade laid on 20 mm thick Cement Mortar 1s (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete.  12.9.2 Size above 300x300mm	_	12.9 Providing				Total			22.50	077.00	ł
colour, shade laid on 20 mm thick Cement Mortar 1s (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete.  12.9.2 Size above 300x300mm		senforming and laying ceramic glazed floor tiles	_			Total	29.17	sqm	33.50	9/7.20	1
11 1:4 (1 cement : 4 coars sand) including pointing the joints with white cement mixed with matching pigment etc., complete.  12.9.2 Size above 300x300mm	1	landing to 13 : 13b// of approved a		}	1				7		l
the joints with white cement mixed with matching pigment etc., complete.  12.9.2 Size above 300x300mm  1 3.30 2.50 8.25  1 3.30 1.80 5.94  12.7 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 pigment complete.  12.7.1 Size upto 200x300mm  1 9.50  2.10 19.95  4.16 Providing and laying 3mm thick APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitmen primer for bitumen membrane @ 0.40 Itr/sqm. by the same membrane manufacture of density at 25°C, 0.87-0.88 kg/ltr and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be 1 laid using Butane Torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under :Joint strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and transverse	1 15	I The strawe laid on the work to		1						7	į
pigment etc., complete.  12.9.2 Size above 300x300mm  1 3.30 2.60  12.7 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 pigment complete.  12.7.1 Size upto 200x300mm  1 9.50  2.10  19.95  4.16 Providing and laying 3mm thick APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3mm thick water proofing membrane, black finished reinforced with non-woven polyester mat consisting of a coat of bitumen primer for bitumen membrane @ 0.40 ltr/sqm. by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ltr and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be as under sloint strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and	12	I / Collett : 4 Coarse sand) individe	- 3	1							
12.9.2 Size above 300x300mm  1 3.30 2.50 8.25  1 3.30 1.80 5.94  12.7 Providing and fixing ceramic glazed wall tiles conforming to IS: 15622 of approved make, colours, shades and size on wall and dados over 12 mt thick bed of cement Mortar 1.3 (1 cement: 3 coarse sand) and jointing with grey cement slurry 3.3kg per sqm including pointing in white cement mixed with matching pigment complete.  12.7.1 Size upto 200x300mm  1 9.50 2.10 19.95  4.16 Providing and laying 3mm thick APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 Itr/sqm. by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ltr and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under :Joint strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and transverse	1	The James Wille Cement mixed with matching		1			'				
1 3.30 1.80 5.94 1  12.7 Providing and fixing ceramic glazed wall tiles conforming to 15 : 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 ② 3.3kg per sqm including pointing in white cement mixed with matching pigment complete.  12.7.1 Size upto 200x300mm 1 9.50 2.10 19.95 Total 19.95 sqm 587.00 11710.65  4.16 Providing and laying 3mm thick APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane ② 0.40 ltr/sqm. by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ltr and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under :Joint strength in longitudinal and dados over 12 mm thick begins to 19.95 sqm 728.00 10330.32  Total 14.19 Sqm 728.00 10330.32  Total 19.95 sqm 587.00 11710.65		pigment etc., complete.		l							
1 3.30 1.80 5.94 1  12.7 Providing and fixing ceramic glazed wall tiles conforming to 15 : 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 ② 3.3kg per sqm including pointing in white cement mixed with matching pigment complete.  12.7.1 Size upto 200x300mm 1 9.50 2.10 19.95 Total 19.95 sqm 587.00 11710.65  4.16 Providing and laying 3mm thick APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane ② 0.40 ltr/sqm. by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ltr and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under :Joint strength in longitudinal and dados over 12 mm thick begins to 19.95 sqm 728.00 10330.32  Total 14.19 Sqm 728.00 10330.32  Total 19.95 sqm 587.00 11710.65	-							- 1			
1 3.30 1.80 5.94  12.7 Providing and fixing ceramic glazed wall tiles conforming to 15 : 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 pigment complete.  12.7.1 Size upto 200x300mm	-	12.9.2 Size above 300x300mm	1	3.30	2.50		0.25				
12.7 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 pigment complete.  12.7.1 Size upto 200x300mm 1 9.50 2.10 19.95 Total 19.95 sqm 587.00 11710.65 Polypropylene Polymer) modified prefabricated five layer 3mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 ltr/sqm. by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ltr and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be usuface complete. The vital physical and chemical parameters of the membrane shall be as under :Joint strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and	-		<u> </u>								
12.7 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 pigment complete.  12.7.1 Size upto 200x300mm			<u> </u>	0.00	1.00	Total					
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 pigment complete.  12.7.1 Size upto 200x300mm		12.7 Providing and fixing ceramic glazed wall tiles	-			Total	14.19	Sqm	728.00	10330.32	
totours, shades and size on wall and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching pigment complete.  12.7.1 Size upto 200x300mm		conforming to IS: 15622 of approved make	1								
Infinit thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry  (a) 3.3kg per sqm including pointing in white cement mixed with matching pigment complete.  12.7.1 Size upto 200x300mm  1 9.50  2.10 19.95  4.16 Providing and laying 3mm thick APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane (a) 0.40 ltr/sqm. by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ltr and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be  17 laid using Butane Torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under :Joint strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and	1	colours, shades and size on wall and dados over 12	1		1						
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in longitudinal and					1	1	1	1.1			
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I I I I I I I I I I I I I I I I I I I		transverse direction as 300/250N. Softening point	1	1			1		1		I
of membrane not less									1		1
than 150°C. Cold flexibility shall be upto -2°C when									- 1		1
tested in accordance				1			1		- 1-		
with ASTM, D - 5147.				1	1		:		1.5		I

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	ITEM DESCRIPTION	N	L	В	H/D	Qty	Unit	Rate	Amount
10	Carry Control of the								
	N. C.	1	3.00	1.50		4.50	-		
	1.	1	3.00	1.80		5.40	4, 4, 5		
_	THE DAY WE WANTED				Total	9.90	Cum	396.00	3920.40
18	14.15 Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with:								
а	14.15.2 On old work (One or more coats applied @ 0.83 ltr/ 10 sqm)	1	29.17			29.17	sqm	37.00	1079.29
19	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 the walls and floors wherever required:								
	White Long pattern W.C. pan of size 580 mm					1.00	each	2459.00	2459
	18.76 Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC 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 etc complete.		,					ı	
r	18.76.2 110 mm dia pipe.	1	7.00			7.00	metre	267.00	1869.00
2	9.13 Providing and fixing steel door/ window with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of angle/ flat iron of suitable size, 3.00 mm								
$\vdash$	Complete more and a personal firm	1			60.00	60.00	kg	75.00	4500.00
2	thickness for Rigid								
-						2.00	1	112.00	226.00
	18.77.1.1 75 mm	3				2.00	each	113.00	258.00
	2 75 mm	2		-		2.00	Each	129.00	448.00
4	1 110 mm	2		+-	-	2.00	Each	224.00	454.00
-	e 18.77.5 "P" trap 110mmx110mm long	1	<u> </u>	+		2.00	each		258.00
	19.13 Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality:	3	1			2.00	each	123.00	238.00
	19.13.1 Bib cock (250 grams)	4				4.00	each	185.00	740.00

0.41

0.66 型

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	ITEM DESCRIPTION	H	L	В	HVD	Qty	Unit	Rate	Amount		
24 E	o 6 Providing and fixing Chlorinated Polyvinyl his te (CPVC) pipes, having hermal stability for hot & cold water supply ncluding all CPVC plain & brass threaded fittings. This included jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of							3			
	Engineer in Charge		45.00			30.00	metre	91.50	2745.00		
	19.6.1 15 mm nominal outer dia pipes	2	15.00		-	30.00	metre	185.00	5550.00		
	7.2 20mm dia nominal bore	1	30.00			30.00					
25	arrangement and making necessary holes for inlet outlet and overflow										
1	pipes but without fittings and the base support	-	T00.00		-	500.00	Liters	7.30	3650.00		
	1 500.00 Sound Helis As per SOR Total Estimate Amount Rs. 139										