

कार्योलय, नगर पालिक निगम, कोरबा (छ.ग.)

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

<u>दर्री जोन</u>

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

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 :-

त डाउनलाड कर बद लिगावन के गांडवन ते आगावत की जाता है के गांडवन की जाता है के गांडवन की उठा बजे तक
1. निर्धारित प्रारूप में निविदा प्रपत्र प्राप्त होने की अंतिम तिथि – 01.07.2024 सायंकाल 3:00 बजे तक
2. निविदा खुलने की अंतिम तिथि

	2. 11111 3.1				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		4/1 4.1	अंतिम तिथि
			में	मूल्य				SHUT KIS
1	वार्ड क्र. 46 प्राथमिक शाला वाहनपाठ (अंग्रेजी माध्यम) में नवीन स्कूल भवन का निर्माण कार्य। (जिला खनिज संस्थान न्यास, वर्ष 2024)	16,11,000/-	12,500 /-	750/-	Form-A	04 माह	सक्षम श्रेणी	01.07.2024
2	वार्ड क्र. 47 प्राथमिक शाला सेंमीपाली में नवीन भवन का निर्माण कार्य। (जिला खनिज संस्थान न्यास, वर्ष 2024)	14,21,000/-	11,000 /-	750/-	Form-A	04 माह	सक्षम श्रेणी	01.07.2024
3	वार्ड क्र. 51 प्राथमिक शाला केंदईखार में नवीन भवन का निर्माण कार्य। (जिला खनिज संस्थान न्यास, वर्ष 2024)	14,21,000/-	11,000 /-	750/-	Form-A	04 माह	सक्षम श्रेणी	01.07.2024
4	वार्ड क्र. 52 प्राथमिक शाला नगोईखार में नवीन भवन का निर्माण कार्य। (जिला खनिज संस्थान न्यास, वर्ष 2024)	14,50,500/-	11,000 /-	750/-	Form-A	04 माह	सक्षम श्रेणी	01.07.2024
5	वार्ड क्र. 51 लाटाघार नाग के घर से कर्ल्चर मंच, राम प्रसाद कोटवार से पाईप लाईन तक सी.सी. रोड का मरम्मत कार्य। (जिला खनिज संस्थान न्यास, वर्ष 2024)	3,92,500/- '	4,000 /-	750/-	Form-A	03 माह	सक्षम श्रेणी	01.07.2024

<u>निविदा की शर्तेः</u>—

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 पत्ते पर भेजना होगा। निर्धारित तिथि को सायं 3:00 के पश्चात् प्राप्त निविदाएं 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 प्रपन्न Form - A/B/ABC (जारी दिनॉक तक समस्त संशोधनों के साथ) निर्धारित शुल्क की डीडी के साथ संबंधित कार्य का नाम पूर्ण विवरण सहित भरकर भेजना होगा।
- 4. निविदा प्रपत्र त्रि-लिफाफा पद्धति से मान्य किया जावेगा जो निम्नानुसार होगाः-

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।

- द्वितीय लिफाफा में ठेकेदार द्वारा भरा हुआ निविदा प्रपत्र होगा। ब)
- तृतीय लिफाफा में उपरोक्त दोनो लिफाफे होंगे तथा आवश्यकता पड़ने पर मूल अभिलेख प्रस्तुत करना होगा। (स)
- 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 उन्हे निविदा भरने की पात्रता नही 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।
- निविदाकार का यह दायित्व है कि वे निविदा भरने के पूर्व स्थल का स्वयं निरीक्षण कर लेवें ताकि प्रारंभ करने में किसी 8. प्रकार की कठिनाई न हो।
- निर्धारित निविदा प्रपत्र में उल्लेखित कंडिकाएँ स्वमेव लागू मानी जावेगी एवं निविदा आमंत्रण सूचना निविदा का ही भाग 9. 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:– खजिन 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 प्रपत्र 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 चिरूद्ध 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 जबकि 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 समतूल्य 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 रनिंग 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 कार्यो 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।

(क्रमशः.....03)

//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)

नाम

पूर्ण पता

मोबाईल नं.--

अभियंता गर पालिक निगम कोरबा (छ.ग.)

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

F					ATION, K				
Nal	ne of Work : Construction of Primary school	ETAILE	DEST	IMAT	E			-t ward	46
Ac	per Sea + 0 +	l Bahanp	at (Eng	lish M	ledium) Ne	w School	Buildin	g at ward	
Sno.	per Sor :- Schedule of Rates Public Works Dep ITEM DESCRIPTION	artment ()	WD BL	JILDIN	G 01-01-20	15			Amount
	IFM DECODIE	N		B	H/D	Qty	Unit	Rate	/ dille
	Surface dressing of the ground including removing vegetation and making up unduktion		<u> </u>	<u>⊢</u> °	100			~	
1	vegetation and making up undulations and in-								
-	equalities not exceeding 15 cms in depth/ height including disposal of rubbish upto 1.5 m lift and lead upto 50m (at least 5 m								
1	lead upto 50m (at least 5m away from the dressed								
	, the set of a way nom the dressed					140.000			
		1	14	10		140.000	Sqm	7.2	1008
	Excounting to the				Total	140.000			
	Excavation for all types and sizes of foundations,								
	trenches and drains or for any other purpose								
2	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					21.000			
	In all types of soils.(Foundation)	16	1.50	1.50	1.50	54.000 6.219			
<u> </u>	Excavation below wall	1	69.10	0.30	0.30	-2.160			
	Dead Foundation	-16	1.50	0.30	0.10	0.270			
	Step		1.10	0.30	0.10	0.033			
	Platform		4.00	0.30	0.10	0.120		185	10819.17
<u> </u>	ramp				Total	58.482	cum	105	1001011
	Providing and filling in plinth with sand/ Crusher						-	= ,	
	dust and hard moorum under floor in layers not					1.		-	
3	exceeding 20cm in depth consolidating each								
	deposited layer by ramming and watering,								
	including dressing etc. complete.	16	1.50	1.50	0.10	3.600			
			69.10	0.30	0.10	2.073			
	Excavation below wall	1		0.90	0.10	0.270			
	Step	1	3.00		0.10	0.033			
	Platform	1	1.10	0.30	20 CT				a second
	ramp	1	4.00	0.30	0.10	0.120			
Т	Class	3	6.00	4.50	0.10	8.100			
1	Office	1	4.50	2.90	0.10	1.305			
一	Verandah	1	2.80	2.90	0.10	0.812	ļ		1 - I - Mark
+					Total	16.313	cum	371	6052.12
+								2	
F	illing from available excavated stuff (Excluding								- F Eng
In	ock) in trenches, plinth, sides of foundation etc. In		ħ.						
• la	avers not exceeding 20cm in depth consolidating							- 44 - E	
e	ach deposited layer by ramming and watering				1			1.1	x e pr
1	ith a lead upto 50 M. and lift upto 1.5 M.		58.48		0.80	46.786	cum	65	3041.06
P	roviding filling and compacting local earth	1							
11	rom approved source pit) in layer not								
- 10	ceeding 20cm in depth consolidating each								No Inc.
e		· · · ·		C .					
e	eposited layer by ramming and watering,							· · · · · · · · · · · · · · · · · · ·	
e: de	eposited layer by ramming and watering, ass	3	6.00	4.50	0.50	40.5	0		
ex de CI	255	3	6.00 4.50	4.50 2.90		40.5	_		
e: de Cl					0.50 0.50 0.50	40.5 6.5 4.0	3		

Ī	ITEM DESCRIPTION	N		-			14	Unit	Ra	te	Amount	
	Prc. iding and laying nominal mix plain cement		L	В		H/D (2ty	Unit		-		
	conc. the with crushed stone aggregate using concrete mixer in all works		1									
	concrete mixer in all works upto plinth level						4					
												1
- 1	1										-	
-	aggregate 40mm nominal size).											1
									1			
	Excavation below wall	16	1.50	1.50			3.600		-			
	Step	1	69.10	0.30		0.10	2.073			-+		1
		1	3.00	0.90		0.10	0.270					-
_	Platform	1	1.10	0.30			0.033					4
	ramp				+	0.10	0.120					
	Class	1	4.00	0.30		0.10			1			
	Office	3	6.00	4.50		0.10	8.100		+			
_		1	4.50	2.90		0.10	1.305		+	-+		-
	Verandah	1	2.80	2.90		0.10	0.812					-
		•			-	Total	16.313	cum	2	659	43376.27	_
					+-							
7	Providing and fixing form work including centring,											
•	shuttering, strutting, staging, propping bracing etc.			1								
	complete and including its removal at all levels, for-			1			1					
	Foundations, footings, bases of columns plinth			1	+		1	T				
	beam, curtain wall in any shape and size and all							÷				
	type of wall below plinth level.											
	Foundations	16x4	1.30		+	0.30	24.960	1				
		16x4	0.80		+-	0.20	10.240					
	column upto plinth level	16x2	0.20	+	_	1.20	7.680					
_		16x2	0.20			1.20	11.520					
	plinth beam	2	69.10			0.30	41.460					
			05.10			0.00	95.860	sqr		139	13324.	54
	Columns, Pillars, Piers and likes- rectangular or						33.800		<u>-+-</u>	100		
B	square in shape								1			
-		46.0	0.00			0.00	24.000	_				
		16x2	0.20			3.90	24.960		-+			
-		16x2	0.30			3.90	37.440		-+			
							62.400	sq	m	297	18532	2.8
C	Suspended floors, roofs, access platform, balconies											
	(plain surfaces) and shelves (cast in situ)											
	hall	1	13.20	0 8.6	30		113.52	20				
		1	5.50	3.1	10		17.050					
					T		130.5		qm	235	3068	3 0
D	Weather shade, chhajja, Cornices and mouldings											J.3
		7	1.50	0 0.	75		7.875		-+			
		1	7.70	_	75		5.775					
		1			-							
E	Beams, lintels, cantilevers & walls	1			-		13.65		mpi	294	40	13.1
	lintel beam	2	69.1			0.05						
	slab beam	2		_	-+	0.25						
		<u> </u>	69.1	-		0.25	69.10	XO V				
-	Dearth and the state of the sta		_				138.2	200	sqm	20	2 07	140
	Providing and laying nominal mix reinforced								4.11	+	- 2/3	916
8	cement concrete with crushed stone aggregate									1	-	
-	using concrete mixer in all works upto plinth level	1										
_	excluding cost of form work.	1									2	
	1:11/3:3 (1 cement : 11/2 coarse sand : 3 graded stone	1									2	
	aggregate 20mm nominal size).	1						T				
-	Footing					-	_					
-	Li ooriiiR	18	1.3	0 1	.30	0.30) 8.11	2		+		
		16	0.8	30 C	0.80	0.20				+		
	Column upto plinth Beam	16	0.2					8				
-	plinth beam				0.30	1.2	0 . 1.15	52 T		1		
		1 1	081	10 0).20	0.3				1	1	

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a				(Arrowson and a second					· · · · · · · · · · · · · · · · · · ·
Charles and	O IMN upto lintel level	N			1	lote	Unit	Rate	Amount
li	intel Jeam	16		В	H/D	Qty			
		1	0.20		_	2.016			
	COLUMN upto Slab		69.1			3.455			
ť		16	0.20			1.152			1
-		1	13.2	-		13.622			
+	T- Beam	1	5.50	_		2.046			+
-		3	4.90			1.470			
-	Chhajja	1	3.30		and the owner of the owner owner	0.330			1
_		7	1.50			0.788		1	
_		1	7.70	0.75	0.10	0.578		4163	170326.647
	Providing and placing in position reinforcement for R.C.C. work including and balance of the second					40.914	cum	4100	
- 1	the muluqing straightening outting								
	Schulling pinging etc. complete as por drawt								
	including cost of binding wire in foundation and								
	plinth all complete:								
	Thermo-Mechanically treated bars FE 415					1500 594	ka	54.5	245281.828
	7.5 Brick work with modular fly-ach lime brieles		110k	g/cum		4500.584	kg	57.5	1
10	(rally Bricks) confirming to 15.12804.2002 of								
	class designation 4.0 in foundation and plinth in								
	Cement Mortar 1:6 (1 cement : 6 coarse sand)								
	Brick work Below Plinth Level		00.40		0.50	10.365			
	B/w upto Lintel level	1	69.10 69.10	0.30	0.50 2.10	29.022			
	B/w upto Lintel Slab	1	69.10	0.20	1.50	20.730			
	Step	1	3.00	0.90	0.20	0.540			
		1	3.00	0.60	0.20	0.360			
		1	3.00	0.30	0.20	0.180			
	Platform	1	1.10	0.20	0.60	0.132			
	ramp	1	4.00	0.20	0.90	0.720			
	Deduct opening (-) Dead Column	-16	0.30	0.20	0.50	-0.480			
	channel gate Window	-1	2.80	0.20	2.10	-1.176			
	Door	<u>-7</u> -4	1.50	0.20 0.20	1.20	-2.520			
	ventilation	-11	0.60	0.20	2.10	-1.848			
			0.00	0.20	0.50	-0.660 55.365	Cum	22.52	
	Extra for brick work in superstructure above plinth					33.303	Cum	3263	180655.995
11	level for every floor or part thereof in addition to						1		
	rate for foundation and plinth:					45.606	Cum	171.00	
	12.13 Providing and laying vitrified floor tiles with					13.000	cum	121.00	5518.326
	double charge/ multi charge								
	printing with water absorption less than 0.5% and								
	conforming to IS :								
								l l	
	15622 of approved make in all colours and shades							· 500 .0	
12	and size mentioned								
12	and size mentioned below (+/- 10mm), laid on 20mm thick cement								
12	and size mentioned below (+/- 10mm), laid on 20mm thick cement mortar 1:4 (1 cement : 4				*1				
12	and size mentioned below (+/- 10mm), laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with				•1				
12	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				4				
12	and size mentioned below (+/- 10mm), laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with								
12	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 12.13.1 Size 600x600mm								
12	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 12.13.1 Size 600x600mm Class	3		4.50		81.000			
12	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 12.13.1 Size 600x600mm	3		4.50		81.000			
12	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 12.13.1 Size 600x600mm Class		4.50	2.90		13.050			
12	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 12.13.1 Size 600x600mm Class Office Verandah Total Skirting Length	1	4.50 2.80	_	0.45	13.050 8.120			
12	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 12.13.1 Size 600x600mm Class Office Verandah	1	4.50	2.90	0.15	13.050			

Feel jmm thick, frame of angle Iron, diagonal N L B HVD Cty Unit Huis Zains 19 Accessing failes at Juncions and Gorens, all priming cost of red oxide and chromate primer. A 1.10 2.10 30kg/sqm 277.200 — — Wordlandon 7 1.50 1.20 30kg/sqm 277.200 — — — — — — — — — — — — — — — — — — … </th <th>1,17</th> <th>ITEM DESCRIPTION</th> <th></th> <th></th> <th></th> <th>man's second system and the later is</th> <th></th> <th></th> <th>an san ar sa sa</th> <th>THE STREET</th>	1,17	ITEM DESCRIPTION				man's second system and the later is			an san ar sa sa	THE STREET
p) Discess of angle/ flat trong or gluidor, aligonal mail m S.5, guiss of plates at junctions and comers, all priming coat of red oxide sinc, chromate primer. mail 277.200 mail mail Door 4 1.10 2.10 30kp/sgm 277.200 mail mail Window 4 1.10 2.10 30kp/sgm 277.200 mail mail wentilation 1 1.00 1.00 0.50 355.00 mail mail mail mail 1.00 <td></td> <td></td> <td>N</td> <td>L</td> <td>В</td> <td>H/D</td> <td>Qtv</td> <td>Unit</td> <td>Rate</td> <td>Amount</td>			N	L	В	H/D	Qtv	Unit	Rate	Amount
M.S. guisset plates at junctions and correct, all prefining coat of red oxide zinc thromate primer.	<u> </u>	fielt imm thick, frame of angle iron, diagonality								
necessary fittings complete including applying a priming coat of red oxide ainc chromate primer.	13	braces of angle/ flat iron of suitable size a co							~	
necessary fittings complete including applying a priming cost of red oxide zinc chromate primer.		M.S. gusset plates at junctions and company in								
Door Control of the initial primer. Control of the initial prinitial primer. Control of the initial		necessary fittings complete the and corners, all								
Window 4 1.10 2.10 30kg/sgn 277.200	-	priming coat of red oxide zinc chromate asia								
emilation 7 150 120 Coupt and particular and papprine parune flat and particular and papprine partin forequire										
ramp handle 11 0.00 0.60 30kg/sqm 32.500						30kg/sqn	and the second se			
1 1.00 1.00 55.000 75 68377.5 Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2mm and braced with fail for diagonals 20x5mm size with 100 and bottom rails of 1-00x40x6mm with 11 1 2.00 2.10 5.46 sqm 3330 1816 Icking argument stoppers, handles including applying a priming coat of red oxide zinc chromate 11 1 2.00 2.10 5.46 sqm 3330 1816 In Cement Mortar 1:5 (1 cement : 5 fine sand) mix: 10 1 2.00 3.30 207.900	-			_						
Providing and fixing in position collapsible steel shutters with vertical channels 200,10x2mm and braced with flat from diagonals 20x5mm size with 100 and bottom rails of T-iron 40x40x6mm with 38mm steel pulleys complete with bolts, nuts, tocking arrangement stoppers, handles including applying priming coat of red oxide zinc chromate 11 primer. 2.00 2.10 5.46 sqm 3330 181E 10 primer. 11 200 2.00 5.46 sqm 3330 161E 11 primer. 11 200 2.10 5.46 sqm 3330 161E 10 Centent Mortar 1:5 (1 center) 5 fine sand) 10.50 3.30 207.900		ramp handle	and the second day of the seco			and the second se	No. of Concession, Name of Con			
Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2mm and braced with latt on diagonals 20x5mm size with 1 38mm steel pulleys complete with bolts, nuts, locking arrangement stoppers, handles Including applying and making 12mm thick cement plaster of mix: 1 2.60 2.10 5.46 sqm 3330 1818 1 Define Test of the stand sta			+	1.00) 1.00		and the second designed and the se	ka	75	68377.5
braced with Verifial Channels 20x10x2mm and braced with lat (on digonals 20x5mm site with 1 Barm steep Julleys complete with bolts, nuts, locking arrangement stoppers, handles including applying a priming coat of red oxide zinc chromate 1 primer. 1 Providing and making 12mm thick cement plaster of mix: 1 ncement Mortar 1:5 (1 cement : 5 fine sand) 1 ner plaster class 1 1.3 Providing and making 15mm thick cement 1 1.3 Providing and making 15mm thick cement 1 1 2 to 2 1 1.0 1 1.2 1 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2		Providing and fine					911.700			
braced with Vertical Channels 20x10x2mm and braced with fail to in disposite 20x5m with 3Brm steep Julleys complete with bolis, nuts, locking arrangement stoppers, handles including applying a priming coat of red oxide zinc chromate 11 primer. 1 2.60 2.10 5.46 sqm 3330 1818 13 Providing and making 12mm thick cement plaster of mix: 1 2.60 3.30 207.900 1 1 10 Providing and making 12mm thick cement plaster of mix: 10.50 3.30 207.900 1 1 10 Providing and making 12mm thick cement plaster of mix: 10.50 3.30 37.620 1 1 1 1.00 1.00 1		shutters with and fixing in position collapsible steel								1. 1. A.
Depend outcom rais of T-from 40x40x6mm with Barm steep pulleys complete with bolts, nuts, locking arrangement stoppers, handles including applying a priming coat of red oxide zinc chromate 2.10 5.46 sqm 3330 1816 13 Providing and making 12mm thick cement plaster of mix: -		Vertical channels 20-10-12								
Depend outcom rais of T-from 40x40x6mm with Barm steep pulleys complete with bolts, nuts, locking arrangement stoppers, handles including applying a priming coat of red oxide zinc chromate 1 2.00 2.10 5.46 sqm 3330 1816 14 primer. increased and increased andincreased andincreased and increased and increased and increased		ton and bettern diagonals 20x5mm size with								
John Steep Juliey: complete with bolts, nuts, Incking arrangement stoppens, handles including 14 primer. Providing and making 12mm thick cement plaster of Incement Mortar 1:5 (1 cement : 5 fine sand) In Cement Mortar 1:5 (1 cement : 5 fine sand) 3.2 10.50 3.30 207.900 OFITCE (4.5+2.9) 1X2 7.40 3.30 207.900 Incement Mortar 1:5 (1 cement : 5 fine sand) VERANDARU (2.8+2.9) 1X2 7.40 3.30 37.620 Incement Mortar 1:5 (1 cement : 5 fine sand) VerantDaru (2.8+2.9) 1X2 5.70 3.30 37.620 Incement Mortar 1:5 (1 cement : 5 fine sand) Incement Mortar 1:5 (1 cement : 5 fine sand) Incement Mortar 1:5 (1 cement : 5 fine sand) Incement Mortar 1:5 (1 cement : 5 fine sand) Incement Mortar 1:5 (1 cement : 5 fine sand) Incement Mortar 1:5 (1 cement : 5 fine sand) Incement Mortar 1:5 (1 cement : 5 fine sand) Incement Mortar 1:5 (1 cement : 5 fine sand) Incement Mortar 1:5 (1 cement : 5 fine sand) Incement Mortar 1:5 (1 cement : 5 fine sand) Incement Mortar 1:5 (1 cement : 5 fine sand) Incement Mortar 1:5 (1 cement : 5 fine sand) Incement Mortar 1:5 (1 cement : 5 fine sand) Incement Mortar 1:5 (1 cement : 5 fine sand) Incement Mortar 1:5 (1 cement : 5 fine sand) Incement Mortar 1:5 (1 cement : 5 fine sand) Incement Mortar 1:5 (1 cement : 5 fine sand) Incement Morta		rop and bottom rails of T-fron 40x40x6mm with	1	2.60		2.10	5.46	sqm	3330	18181.8
Appring a priming coat of red oxide zinc chromate primer. Image: coat of red oxide zincat oxide zincat oxide zinc chromate primer. Im		locking arrangements complete with bolts, nuts,			1.1					
Interint Image: Second Se		applying a priming and stoppers, handles including								
15 Providing and making 12mm thick cement plaster of mk:	14	primer								
In Cement Mortar 1:5 (1 cement : 5 fine sand) 3x2 10.50 3.30 207.900 UPRAVDAH [2.82.9] 1X2 7.40 3.30 48.840										
Inter paster class room (6 + 4.5) 3x2 10.50 3.30 207.900 OFFICE (4 > 52.9) 1X2 7.40 3.30 48.840 VEBANDAH (2.8+2.9) 1X2 5.70 3.30 37.620 Deduct Opening (-) (channel Gate) -1 2.60 2.10 -5.460 window -7 1.50 1.20 -9.240		1 min,				<i>r.</i>				
Inter paster class room (6 + 4.5) 3x2 10.50 3.30 207.900 OFFICE (4 52.9) 1X2 7.40 3.30 48.840 VEBANDAH (2.8+2.9) 1X2 5.70 3.30 37.620 Deduct Opening (-) [channel Gate) -1 2.60 2.10 -5.460 window -7 1.50 1.20 -9.240		In Cement Mortar 1:5 (1 cement : 5 fine sand)				-,				
VERANDAH (2.842.9) 11/2 7.70 3.30 37.620 Deduct Opening (-) (channel Gate) -1 2.60 2.10 -5.460 - window -4 1.10 2.10 -9.240 - - window -7 1.50 1.20 -9.240 - - window -77 1.50 1.20 -9.240 - - window -77 1.50 1.20 -9.240 - - window -77 1.50 1.20 -9.240 - - ventilation -11 0.60 0.55 -3.300 - - I1.3 Providing and making 15mm thick cement - Total 263.760 sqm 96.50 25453 of mix In Cement Mortar 1:5 (1 cement : 5 fine sand) - <		inner plaster class room (6 + 4.5)	3x2	10.50		3.30	207.900			
Deduct Opening (-) (channel Gate) -1 2.60 3.70 3.7620 door -1 2.60 2.10 -5.660 - window -7 1.50 1.20 -3.260 - ventilation -11 0.60 0.50 -3.300 - 11.3 Providing and making 15mm thick cement - Total 263.760 sqm 96.50 25457 11.3 Providing and making 15mm thick cement - - Total 263.760 sqm 96.50 25457 11.1 Outer plaster 2 12.60 4.00 100.800 -	_		1X2	7.40		3.30				
door 4 1.00 2.10 -9.240 window -7 1.50 1.20 -12.600 wentilation -11 0.60 0.50 -3.300			1X2	5.70		3.30	37.620			
window -7 1.50 2.10 -9.240 ventilation -7 1.50 1.20 -12.600 -12.600 11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix -10 0.60 -0.50 -3.300 - 11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix - Total 263.760 sqm 96.50 25455 10 0.00 -<		door				2.10	-5.460			
vertilation -11 0.60 0.50 -3.300						and the second se				
11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mixTotal263.760sqm96.5025453In Cement Mortar 1:5 (1 cement : 5 fine sand) outer plaster212.604.00100.800		ventilation				the second s				
113 Floriduing and making 15mm thick cement 1 2000 2010 1 Plaster on the rough side of single or half brick wall 1 1 1 1 0 1 In Cement Mortar 1:5 (1 cement : 5 fine sand) 2 12.60 4.00 100.800 100.800 0 2 11.10 4.00 88.800 1 1 1 Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla rough approved make putty) (like Birla rule are, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even. 1 4.50 81.000 1 Ceilling Class 3 6.00 4.50 81.000 1 1 Office 1 4.50 2.90 13.050 1 <td< td=""><td></td><td></td><td>-11</td><td>0.60</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>			-11	0.60						
16 plaster on the rough side of single or half brick wall of mix 1 <td< td=""><td></td><td>11.3 Providing and making 15mm thick cement</td><td></td><td></td><td></td><td>lotal</td><td>263.760</td><td>sqm</td><td>96.50</td><td>25452.84</td></td<>		11.3 Providing and making 15mm thick cement				lotal	263.760	sqm	96.50	25452.84
Of mixIn Cement Mortar 1:5 (1 cement : 5 fine sand)Image: Cement Mortar 1:5 (1 cement : 5 fine sand)Image: Cement Mortar 1:5 (1 cement : 5 fine sand)outer plaster212.604.00100.800Image: Cement : 6 fine sand)211.104.0088.800Image: Cement : 6 fine sand)Image: Cement : 6 fine sand)Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla reaction grade approved make putty) on walls to make the surface smooth and even.Image: Celling ClassSqm113.002142Ceilling Class36.004.5081.000Image: Celling ClassImage: Celling C	16	plaster on the rough side of single or half brick wall								
outer plaster 2 12.60 4.00 100.800 Image: constraint of the system of the sy		xim to								
12 12.60 4.00 100.800				1						
211.104.0088.8001Providing 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.Total189.600Sqm113.002142Ceilling Class36.004.5081.000111	-	outer plaster	2	12.60		4.00	100 800			
Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla vall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even.Total189,600Sqm113.002142Ceilling Class36.004.5081.000	_		2	11.10						
Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla vall care, Alltek Superfine W/R of (NCL), Asian, ICl, Nerolac, J.K. wall putty) on walls to make the surface smooth and even. 2142 Ceilling Class 3 6.00 4.50 81.000 2142 Office 1 4.50 2.90 13.050 2142 Verandah 1 2.80 2.90 81.000 2142 inner plaster class 1 2.63.76 263.760 263.760 263.760 outer plaster 1 189.600 189.600 2142 Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade. 1 365.93 365.930 5qm 52.50 19211. Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including classion to give protective and decorative finish includ	_							6		
7 wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even. 3 6.00 4.50 81.000		Providing and applying 2mm thick ready mix					200.000	Sdw	113.00	21424.8
ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even.36.004.5081.000Ceilling Class36.004.5081.000Office14.502.9013.050Verandah12.802.908.120inner plaster class1263.76263.760outer plaster1189.60Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shadeOn new work (two or more coats)1365.93365.930SqmPainting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning work (two character of the specifications to give protective and decorative finish including cleaning work (two character of the specifications to give protective and decorative finish including cleaning work (two character of the specifications to give protective and decorative finish including cleaning work (two cleaning cleaning work) (the specifications to give protective and decorative finish including cleaning work)		wall care Allick Superfine W/D Courty (like Birla								
surface smooth and even.36.004.5081.000Ceilling Class36.004.5081.000	7	CI Nerolac, IK wall putto) on wells to us to d								
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Office 3 6.00 4.50 81.000	_								ан — ^{су}	
Office14.502.9013.0001Verandah12.802.908.1201inner plaster class1263.76263.7601outer plaster1189.60189.6001Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade.1365.93365.930SqmOn new work (two or more coats)1365.93365.930Sqm52.5019211.Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning methic and the second secon	_		3	6.00	4.50					
Verandah12.8013.050inner plaster class12.802.908.120outer plaster1263.76263.7601outer plaster1189.600189.6001Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade.total555.530sqmOn new work (two or more coats)1365.93365.930Sqm52.50Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including classing work in the state of the	_		1	4.50						
inner plaster class1263.768.120outer plaster1263.76263.7601outer plaster1189.60189.6001Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade.total555.530sqmOn new work (two or more coats)1365.93365.930Sqm52.50Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including classing emultion1365.930Sqm52.5019211.	_		1							
Outer plaster 1 189.60 189.600 Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade. total 555.530 sqm 94.50 52491 On new work (two or more coats) 1 365.93 365.930 Sqm 52.50 19211. Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including classing work in the specification of the specifi	li	nner plaster class					8.120			
Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade.total555.530sqm94.5052493On new work (two or more coats)1365.93365.930Sqm52.5019211.Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including classing work in the second sec	C	uter plaster					263.760			1.12
Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade.total555.530sqm94.5052492On new work (two or more coats)1365.93365.930Sqm52.5019211.Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including classing events365.930Sqm52.5019211.	T		1	189.60			189.600			
Paint of required shade to give an even shade. 00 new work (two or more coats) 1 365.93 365.930 52.50 19211. Painting exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning even in the second	V	all painting with acrylic luxury and the	-			total				
On new work (two or more coats) 1 365.93 365.930 Sqm 52.50 19211. Painting exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning multiple 1 365.930 Sqm 52.50 19211.	p	aint of required shade to give an even shade						sqm	94.50	52497.59
Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including classing multi-	10	n new work (two or more sented)								
exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning much in the second	下	ainting exterior surface with A Cover and	1	365.93						
decorative finish including cleaning work is a	e	derior paint of required at a					365.930	Sqm	52 50	19211.325
active fullish including cleaning west to a	1	anulaciul CES Specifications to give method							52.50	13411.345
surface etc. complete with	1-1	the second secon								
	su	rface etc. complete with				1				
									1	

OD W WILL	1					Unit	Rate	Amount
ltr/ 12, sqm over and including priming coat o	· 1	L 189.60	В	H/D	Qty 189.600	Sqm	56.00	10617.6
14.22 Painting on new work (two or more coats) to give an even shade with:	0		17					
Satin synthetic enamel paint	2	7.00	1.50	1.20	25,200		529.20	
	2	7.00	1.50	2.10	18.480		162.62	
	1	2.80	1.10	2.10	5.880		16.46	
	11	0.60		0.50	3.300		21.78	
		1			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 1.26 Carriage by mechanical transport upto 5 km lead:	1							
1.26.1 Earth	1.00	51.09			51.09	Cum	111.00	5670.44
		P	art A- A	s per SO	R Total Estin	nate A	mount Rs.	1135747.07
					B- for elect			
					Gross Est	mato A	mount Ra	1232220.07
						Sava	mount Rs	1232500.0

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

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

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

Sub :- Internal Electrification Work in Primary school Bahanpat (English Medium) New School Building at ward 46

	Δ	s per Sor :- Schedule of Rates Public Works Departmer	nt [PWD E	lectrical 0	1-06-2	020]
S.N o.	Ref. no	Item of Work	Unit	Rate	Qty	Amount
		WIRING IN CONCEALED PVC conduit				
1	1.10	Wiring for light plug point with 3x2.5 sq mm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) along with modular type 6 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 per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)				
	1.10.1	Short Point	Point	442.00	16	7072
	1.10.2	Medium Point	Point	659.00	8	5272
	1.10.3	Long Point	Point	922.00	6	5532
2	1.13	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, wire in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)				
-	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	7770
	5	SWITCHES & ACCESSORIES				
3	5.1	Supplying and fixing following piano type switch, socket, other accessories on the existing switch box/ cover including connections etc. as per specification.				
	5.1.13	Ceiling rose 3 pin 5 amps	Each	32.00	14	448
	5.1.15	Batten/ angle holder	Each	38.00	15	570
4	5.4	Supplying and fixing following modular switch, socket, other accessories on the existing modular plate & switch box including connections but excluding modular plate etc. as per specification.				
5	5.4.8	Fan regulator (one module size) electronic stepped type moving all rounds	Each	186.00	14	2604
	6	FANS, LUMINARIES AND LAMPS				
6	6.1	Supplying, installation, testing and commissioning of 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.				
	6.1.3	1200 mm sweep	Each	1697.00	14	
7	6.17	Supplying, fixing, testing and commissioning of following LED lamps with inbuilt electronic driver heat sink and all other accessories in existing holder/ luminaries as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio ≥ 100 lumens /watt.		1097.00	14	23758
	6.17.5	12 Watt	Fach	045.00		
			Each	215.00	16	3440

S.N 0.	Ref.	. no	Item of Work	Unit	Rate	Qty	Amount
8	6.19	1	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.				
	6.1		18/20 watt {4 feet}	Each	443.00	16	7088
9	6.2	8	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
1	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)				
\vdash	9	.4.1	4 way Single door	Each	1317.00	1	1317
		0.12	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.				
┢	- 9	9.12.2	6 amps to 32 amps	Each	411.00	14	5754
┢		12	EARTHING				0
		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
	13	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
	14	15.11	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).		4		
		15.11	1.3 2 x 10 sq. mm. on 8 SWG GI bearer wire	Metre	103.00	39	4017
			As per SOR Total Estimate Amou	int Rs.	ه	R-	96473.00

Sub Engineer

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

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

Name of Work :- Boring/ Derilling at primary School Bahanpat English Medium

AL TY WAY

25

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

and	Ref. No.	ITEM DESCRIPTION						Unit	Rate	Amount
1		21.17 Carrying out the resistivity survey by VES method using Schlumberger	N 1	L	В	H/D	Qty		1502.00	1502.00
	21.1	configuration for locating the proper spot 21.1 Boring/drilling bore well perfectly vertical for the specified depth suitable to receive required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge upto 90 metre depth below ground level								
2	21.1.1	21.1.1 All types of soil								
	21.1.2.3	21.1.2.3 150 mm dia.	1	30.00			30.00	metre	339.00	10170.00
	21.2.2	21.1.2 Rocky strata including Boulders				+-				
	21.2.2.3	21.1.2.3 150 mm dia.	1	30.00			30.00	metre	396.00	11880.00
2		Supllying assembling lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) Pipe of required dia confirming to IS: 12818, including required hire and labour charges fittings & accessories etc. all complete, for all depth, as per direction Engineer incharge								
		150mm nominal dia					34.0	0 met	r 1304.0	0 4400
3	21.11	21.11 Providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/								4433
		21.11.3 150 mm dia 21.9 Gravel packing in tube well	2				2.00	Eac	h 217.00	434.00
4	21.9	construction in accordance with IS: 4097, including providing gravel fine/ medium/								4
			1	2.00			2.00) cur	n 1048.00	2096.00

1.5.1										
1	7	21.10 Development of tube well in		r						
	A1.1	accordance with IS: 2800 (nart D and IS.		1						
5		11189, to establish maximum rate of usable								
		hour	2				.00	hour	654.00	1962.00
		21.12 Providing and fixing M.S. clamp of				⁼				
	21.12	required dia to the top of casing/								
6		housing pipe of tube well as per IS: 2800								
		21.12.3 150 mm clamp.							1055.00	2110.00
_			2				2.00	each	1055.00	
		WATER SUPPLY PUMPS (Electrical								
	23.3	SOR.1.06.2020)								
	23.3	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 discharge								
		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.	5							
		as per specification and IS: 694 (2010).								
		Note: submersible Cable should be rust								
		proof, safe from oil / Grease and under water Chemical / abrasion Resistant.								
		water offerfilear abrasion Resistant.								
7									1	
	23.3.	3 2.0 HP, single phase					1			19805.00
	23.10						1	Each	4152.00	4152.00
		commissioning of 5-7.5 HP 3 phase								
		submersible motor starter cum control wal floor mounted type made out of not less								
		than 1.6 mm thick MS sheet and								
		comprising of following panel mounting								
		switchgears there in including connection								
		inter-connection etc. as per specification.								
		a) Phase indicating lamps with fuses and	1 L							
	1	togale switches 1 set								
1	1	b) 5/7.5 HP 3 phase DOL starter with over	r							
		load and no volt relay 1 No								
	1	c) 32 A "C" curve TPMCB 1 No								
		d) Voltmeter 0-500 V with selector switch	1			1	1			
		set	-				1			
		e) Ammeter 0-10 A with CT's and selected	"		1					
		switch 1 set.							e 	
8				<u> </u>						
				As pe	r sor	l Tota	al Esti	mate	Amount R	s. 98447.00

Sub Engineer Municipal Corporation Korba (C.G.)

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

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

The of Work > CONSTRUCTION OF URINAL AND TOILET OF BAHANPAT ENGLISH MEDIUM SCHOOL AT WARD 45

E	SCHOOL AT WARD 45							01.20	15]	
As	per Sor :- Schedule of Rates Public Work	s De	partme	nt[P	WD I	BUIL	DINGUT	Unl	Rate	Amount
S.N.	ITEM DESCRIPTION	N	1 L		3	H/D	aty	-		
-	Excavation for all types and sizes of foundations	5								
	crenches and drains or for any other purpose									
	including disposal of excavated stuff upto 1.5 n									
1	lift and lead pto 50 m,(at leas 5m away from th									
	excavated area), including dressing and leveling									
SV-man	of pits									
-	In all types of soil	6	1.	50 1	50	1.50	20.2			
<u> </u>		1			50	0.50				
<u> </u>		$+\frac{1}{1}$			20	2.50	16.50		105.00	7723.75
<u> </u>		+		-			41.75	Cum	185.00	1120.10
		+	+	+				1		
1	1.17 Filling from available excavated stuff									
	(Excluding rock) in trenches, plinth, sides of						22.40	Cum	65.00	2171.00
2	foundation etc. in layers not exceeding 20cm	1					33.40			
-	in depth consolidating each deposited layer by									
	remming and watering with a lead upto 50 M.									
	and lift upto 1.5 M				+	-+				
	Providing and filling in plinth with sand/ Crusher									
	dust and hard moorum under floor in layers									25) •
	not exceeding 20cm in depth consolidating									
3	each deposited layer by ramming and									
	watering, including dressing etc. complete.									
		<u> </u>	+	1.50	+-	.10	1.35			
1		6	1.50	1.50	_	1.1	2.00			
1		2	20		_		1.35			
Ì		1	3	4.5	10	.1			274.00	1742 70
							4.70	Cum	371.00	1743.70
	providing and laying nominal mix cement									
1	acceste with crushed stone aggregate using									
4	oncrete mixer in foundation, plinth and at									
ľ	round level excluding cost of form work.									
18	:3:6 (1 cement : 3 Coarse sand : 6 graded stone									
	:3:6 (1 cement : 3 Coarse sand : 0 graded stone									
22	ggrgate 40mm nominal size)	6	1.50	1.5		.10	1.35			
		1	20.00		_	.10	1.00			-
		1	3.00			.10	0.60			
		1	3.00	4.50	<u>, 0.</u>	.10	1.35	-		
1							4.30	Cum	2970.00	12771.00
Pr	ovinding and laying nominal mix									-
	nforcement cement concrete with crushed									
liei	ne aggregate using concrete mixer in all works	1			1					
sto	to floor five level excluding cost of									1
up.	to moor my not form work				1					
Irei	nforcement and form work.				1					
1:1	5:3 (1 cement : 1% coarse sand : 3 graded	- 1								
sto	ne aggregate 20mm nominal size).	6	1.20	1.20	0.2					
		<u> </u>	1.20	1.20	0.2	.5	2.16	a		
1		6	0 20 1	0 20	20					
E		6	0.20	0.30	3.0 0.3	-	1.08 1.20			

NAMES OF A									
	ITEM DESCRIPTION	N	L	В	H/D	Qty	Unit	Rate	Amount
	15	2	15.00	0.20	0.25	1.50			
1	1	1	3.00	2.00	0.15	0.90			
¥		2	3.00	0.15	2.40	2.16			
		1	1.80	0.20	2.40	0.86			
		1	3.00	2.50	0.12	0.90		4163.00	44810.53
						10.76	Cum	4105.00	41020100
6	Extra for laying PCC/RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:					10.76	Cum	97.50	1049.49
7	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 all complete.								
	Thermo-Mechanically treated bars					1184.04	Kg	54.50	64530.18
8	providing and fixing formwork inxluding centering shuttering strutting staging propping braxing etc. complete and inxluding its removal at all levels, for								
	Foundations, footings, base of columns and plinth beam in any shape and size.								
	piniti bean in any shape and size.	6x4	1.2		0.3	8.64			
		6x2	0.20		1.20	2.88			
		6x2	0.30		1.20	6.48			
		1	20.00	-	0.30	6.00			
		4	3.00		2.40	28.80			
		2	1.80		2.40	8.64			
						61.44	Sqm	139.00	8540.16
	Columns, Pillars, Piers and likes- rectangular or square in shape	6	1.00		2.80		Śqm	297.00	4989.60
	Beams, lintels, cantilevers & walls	2	20.00		0.20	8.00	Sqm	202.00	1616.00
	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)		20.00			0.00	oqm	202.00	1010.00
	,	1	3.50	2.80		9.80			
						9.80	Sqm	235.00	2303.00
"	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:						••••		
	Cement Mortar 1:5 (1 Cement : 5 Coarse								
		1	20.00	0.30	0.40	2.40			
		1	16.00	0.20	2.80	8.96			
		1	6.00	0.20	1.50	1.80			
						13.16	Cum	3350.00	44086.00
10	Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:					13.44	Cum	121.00	1626.24

ITEM DESCRIPTION						Unit	Rate	Amount
N. ITEM DESCRIPTION	N	L	В	H/D	Qty	Unit	Nato	
Providing and fixing steel door with M.S.								1
sheet 1mm thick, frame of angle iron,								•
diagonal braces of angle/ flat iron of suitable					75.00	Kg	75.00	5625.00
11 size, 3.00 mm M.S. gusset plates at junctions					75.00	~8	/0.00	
and corners, all necessary fittings complete								
including applying a priming coat of red								
oxide zinc chromate primer	<u> </u>		_					
13 Providing and making 12mm thick cement								
plaster of mix						10		
In Cement Mortar 1:5 (1 cement : 5 fine sand)	1	16.00		3.00	48.00		96.50	4632.00
					48.00	Sqm	90.50	4032.00
14 15mm thick cement plaster on the rough side	T							
of single or half brick wall of mix:				·				
In Cement Mortar 1:5 (1 cement : 5 fine sand)						-		
	1	16.00		3.20	51.20			
		10.00		5.20	51.20	Sqm	113.00	5785.60
			L	 	51.20	Jun		
Providing and fixing ceramic glazed wall								
tiles conforming to IS: 15622 of approved	· .					1		
make, colours, shades and size on wall and								
dados over 12 mm thick hed of cement								
15 Mortar 1:3 (1 cement : 3 coarse sand) and					-			
jointing with grey cement slurry @ 3.3kg per					0	=		
sqm including pointing in white cement			•		E = 8			-
mixed with matching pigment complete.					×1			
	1	8.00	-	2.10	16.80			
Size upto 200x300mm				1.20	9.60			
Y	1	8.00		1.20			587.00	15496.80
					26.40	Sqm	567.00	13430.00
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		-	₽°					
said) including pointing the joints man at	:							
cement mixed with matching pigment etc.,	-	3.00	4.50		12 50			
Size 300x300mm	1	3.00	4.50		13.50			
					13.50	Sqm	692.00	9342.0
Providing and applying 2mm thick ready								
mix exterior grade approved make putty						1		
mix exterior grade approved make putty					108.20	Sqm	94.50	10224.9
(like Birla wall care, Alltek Superfine W/R of					100.20	Joqui	34.50	10224.5
(NCL), Asian, ICI, Nerolac, J.K. wall putty)								
on walls to make the surface smooth and				·····	1.14		1.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5	
14.11 Wall painting with acrylic luxury								
Ling (-lastic) maint of required chade to								3 ⁶
emulsion (plastic) paint of required shade to								18. j. j.
give an even shade								
On new work (two or more coats)					48.00) Sqm	52.50	2520.0
Painting exterior surface with ACRYLIC SMOOTH				- M				
anting chick of required shade as per						2	1	
exterior paint of required shade as per								
manufacturer's specifications to give protective								
and decorative finish including cleaning washing						1	4	de z .
the second s		1				1		- 11

JA.

A						Qty	Unit	Rate	Amount
	ITEM DESCRIPTION	N	L	В	H/D	4.7			
11	1.							56.00	2867.20
Ĭ	On new work (Two or more coats applied @				1 1	51.20	sqm	56.00	2007.20
	1.43 ltr/ 10 sqm over and including priming coat						2		
	of exterior primer applied @ 2.20 kg/ 10 sqm)								
20	14.22 Painting on new work (two or more								
20	coats) to give an even shade with					4.20			
	Satin synthetic enamel paint	2	1.00		2.10	4.20			
		2	0.90		1.50	2.70			379.50
						6.90	Sqm	55.00	379.50
	18.2 Descriding and fining nitrague ching					1.			
	18.2 Providing and fixing vitreous china			r -					
21	water closet squatting pan (Indian type)								•
	including cutting and making good the walls								
	and floors wherever required					1.00	Each	999.00	999.00
	White Long pattern W.C. pan of size 580 mm					1.00			
	Providing and fixing one piece construction	ι.							
23	white vitreous china squatting plate urinal with							1 101 00	1401.00
	an integral rim longitudinal flushing pipe.					1.00	Each	1401.00	1401.00
	Providing and fixing vitreous china wash basin								
	with C.I. brackets, 32 mm C.P. brass waste of								
24	standard pattern, including painting of brackets,							-	
24	cutting and making good the walls wherever								
	required :								
	White Size 550x400 mm					1.00	Each	1408.00	1408.00
	Providing and fixing on wall face or under					×		70	
	floor UV stabilized Unplasticised Rigid PVC								
	pipes (single socketed) having 3.2mm wall						1		
	thickness conforming to IS : 13592								
27	(4kg/sqcm) including required couplers,								
	jointing with seal ring conforming to IS :								
	5382 leaving 10 mm gap for thermal				<u> </u>				
					192	1		-2-1	
	expansion etc complete.	-				6.00		267.00	1002.0
	110 mm dia pipe.	- <u>1</u> - 9		e de la composición de		0.0	Mtr.	267.00	1602.0
	Providing and fixing on wall face UV								
	stabilized Unplasticised - PVC moulded								g
	fittings/ accessories having 3.2mm wall						1		an an an An An An
28	thickness for Rigid PVC pipes conforming to								
	IS: 13592 (heavy) jointing with seal ring						21		
	conforming to IS: 5382 leaving 10 mm gap								
	for thermal expansion.								
	Tee/ Tee with door/ Bend 45°/ Bend 90°	+		1			1		
						EO	OL Fact	10000	
	110 mm			-		5.0			
	Nahani trap 110x75mm					4.0	0 Each	90.50	362.0
29	Providing and fixing stainless steel drain jali of			÷		30	0 Each	51.00	153.0
	approved make/quality						- Laci	1 27.00	1 135.0

AN	ITEM DESCRIPTION								
	1 10% ding and fiving Oll i	N	L	В	H/D	Qty	Unit	Rate	Amount
30	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold								
	stability for hot & cold water supply								
	including all Opvice cold water supply								
	including all CPVC plain & brass threaded								
	fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes is it								
	m spacing. This includes jointing of pipes & fittings with one step CDUC								
	C and PC.								
	15 mm nominal outer dia .Pipes.					15.00		454.00	
	20 mm nominal outer dia Pines					15.00	Mtr.	154.00	2310.00
	Providing and fixing 15 mm mani-					15.00	Mtr.	90.50	1357.50
31	Charles Innog of oppression in the								
31	conforming to IS:8931 including C.P. brass								
	extension if required:			· ·					
	Bib cock (400 grams)								
	Piller Cock (400 grams)			2		2.00	Each	382.00	764.00
	Providing and plasing of the second s					2.00	Each	398.00	796.00
	Providing and placing on terrace (at all floor								
	levels) polyethylene water storage tank ISI : 12701 marked with any storage tank ISI :								
33	12701 marked with cover and suitable locking					500.00	litre	7.30	3650.00
	arrangement and making necessary holes for					500.00	nue	7.50	3650.00
	inlet, outlet and overflow pipes but without								
	fittings and the base support for tank							-	
\vdash	Total Amount Rs. 270406.15								
	for electrification Rs. 9836.29							9836.29	
	Say Amount Rs. 280242.44								280242.44

Sub Engineer Municipal Corporation Korba (C.G.)

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