



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

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

दर्श जोन

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

कोरबा, 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 शेड्यूल अनुसार आयटम दरों पर निम्नलिखित निर्माण कार्य हेतु मैनुअल निविदा वेबसाइट से डाउनलोड कर बंद लिफाफा के माध्यम से आमंत्रित की जाती है :-

- निर्धारित प्रारूप में निविदा प्रपत्र प्राप्त होने की अंतिम तिथि - 01.07.2024 सायंकाल 3:00 बजे तक
- निविदा खुलने की अंतिम तिथि - 01.07.2024 सायंकाल 4:30 बजे तक

क्र.	कार्य का नाम	प्राक्कलन राशि में	धरोहर राशि रु में	निविदा प्रपत्र का मूल्य	निविदा प्रपत्र	कार्यावधि	ठेकेदार का वर्ग	निविदा खुलने की अंतिम तिथि
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 कल्चर 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

### निविदा की शर्त:-

- निविदा दरे प्रचलित सी.एस.आर.से कम या अधिक प्रतिशत दरों पर दिया जावे सी.एस.आर.के अंतर्गत के आयटमों पर पृथक से आयटम दरों का उल्लेख करने पर निविदा निरस्त मानी जावेगी।
- निविदा के दस्तावेज हाथों-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 पश्चात् प्राप्त निविदाएँ स्वीकार नहीं किए जावेंगे।
- निविदा प्रपत्र नगर पालिक निगम, कोरबा के वेबसाइट [www.korbamunicipal.in/uad.cg.gov.in](http://www.korbamunicipal.in/uad.cg.gov.in) डाउनलोड किया जाकर नवीन निविदा प्रपत्र Form - A/B/ABC (जारी दिनों तक समस्त संशोधनों के साथ) निर्धारित शुल्क की डीडी के साथ संबंधित कार्य का नाम पूर्ण विवरण सहित भरकर भेजना होगा।
- निविदा प्रपत्र त्रि-लिफाफा पद्धति से मान्य किया जावेगा जो निम्नानुसार होगा:-  
(अ) प्रथम लिफाफा में ठेकेदार का जीवित पंजीयन प्रमाण पत्र, आयकर चुकता प्रमाण पत्र, निविदा सूचना आमंत्रण में

(क्रमशः.....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 विरुद्ध 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 जानकारी 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 क्रमांक, 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 लें ताकि प्रारंभ करने में किसी प्रकार की कठिनाई न हो।
9. निर्धारित निविदा प्रपत्र में उल्लेखित कंडिकाएँ 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 अंकों 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 विरुद्ध 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 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 रनिंग देयकों के साथ 01 वर्ष हेतु साथ ही 5 प्रतिशत पृथक से 03 वर्ष की गारंटी के लिये परफार्मेंस 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 तदंतर्गत निर्धारित नियमों के तहत 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 रु. 100/- नॉन ज्यूडिशियल स्टॉम्प पेपर पर कंडिका क्र. 04 के प्रथम लिफाफा (अ) में प्रस्तुत करना अनिवार्य होगा।
19. ईट से संबंधित निर्माण कार्यों में फ्लाइ एश ब्रिक का उपयोग किया जाना अनिवार्य होगा।
20. निविदा प्रपत्र अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नहीं 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 आगामी 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।

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

(ठेकेदार के हस्ताक्षर)

नाम .....

पूर्ण पता .....

.....

मोबाईल नं.- .....

कार्यपालिका अभियंता  
नगर पालिक निगम  
कोरबा (छ.ग.)

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

**DETAILED ESTIMATE**

Name of Work : CONSTRUCTION OF GOVT. PRIMARY SCHOOL BUILDING AT SEMIPALI  
As per SOR SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD BUILDING-01.01.2015]

SN	REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
1	1.1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	1.1	In all types of soils.								
		CI	17	1.30	1.30	1.30	37.34			
		-wall	1	68.00	0.30	0.30	6.12			
		Deduction--FOUDATION	17	1.30	0.30	0.30	-1.98			
		-STEP	1	2.90	0.90	0.10	0.26			
		-PLATFORM	2X1	1.30	0.30	0.10	0.07			
		-RAMP	1	1.30	0.30	0.10	0.03			
			1	3.00	0.30	0.10	0.09			
							<b>Total</b>	41.93	cum	185.00
										7,757.05
2	1.17	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.								
							41.93			
							<b>Total</b>	41.93	cum	65.00
										2,725.45
3	1.18	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc.								

SN	REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
		complete.								
		-class room	2	6.00	4.50	0.10	5.40			
		-office	1	2.90	2.90	0.10	0.84			
		-ver	1	9.10	1.80	0.10	1.63			
		-kitchen	1	2.90	2.90	0.10	0.84			
		-ramp	1	3.00	1.10	0.10	0.33			
							Total	9.04	cum	371.00
4	1.19	Providing filling and compacting local earth (from approved source pit) in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
		-class room	1	6.00	4.50	0.30	8.10			
		-office	1	2.90	2.90	0.30	2.52			
		-ver.	1	9.10	1.80	0.30	4.91			
		-kitchen	1	2.90	2.90	0.30	2.52			
		-ramp	1	3.00	1.10	0.40	1.32			
							Total	19.37	cum	242.00
5	2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
	1.1	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								
		base f2	17x4	1.10		0.40	29.92			
		-p.bcol.upto p.l.	17	1.00		0.85	14.45			
		-p.b	1x2	68.00		0.30	40.80			
							Total	85.17	sqm	139.00
	1.5	Columns, Pillars, Piers and likes- rectangular or square in shape								
			17	1.00		3.00	51.00			
							Total	51.00	sqm	297.00
	1.7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)								
			1	13.20	7.50		99.00			

SN	REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
			1	3.90	1.10		4.29			
			1	3.10	3.90		12.09			
							Total	115.38 sqm	235.00	27,114.30
	1.8	Beams, lintels, cantilevers & walls								
		-l.b	1x2	68.00		0.20	27.20			
		-chhajja	8	1.80	0.50		7.20			
			1	1.30	0.50		0.65			
		-kitchen pf	1	2.90	0.50		1.45			
		slab beam	1x2	68.00		0.30	40.80			
		-T BEAM	2X2	4.50		0.40	7.20			
							Total	84.50 sqm	202.00	17,069.00
6	3.1	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	1.2	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).								
		-foundation	17	1.30	1.30	0.15	4.30			
		-wall	1	68.00	0.30	0.10	2.04			
		Deduction--col.	17	0.30	0.30	0.10	-0.15			
		-floor	2	6.00	4.50	0.10	5.40			
		-office	1	2.90	2.90	0.10	0.84			
		-ver	1	9.10	1.80	0.10	1.63			
		kitchen	1	2.90	2.90	0.10	0.84			
		step	1	2.90	0.90	0.10	0.26			
		-platform	2	1.30	0.30	0.10	0.07			
		-ramp	1	1.30	0.30	0.10	0.03			
			1	3.00	0.30	0.10	0.09			
		-platform top	1	2.80	1.30	0.10	0.36			
		-ramp top	1	3.00	1.10	0.10	0.33			
							Total	16.04 cum	2659.00	42,650.36
7	3.2	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	2.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								

SN	REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
		-base fl	17	1.30	1.30	0.30	8.61			
		f2	17	1.10	1.10	0.40	8.22			
		col. upto p.l.	17	0.30	0.20	0.85	0.86			
		-p.b.	1	68.00	0.20	0.30	4.08			
		-col. upto l.b.	17	0.30	0.20	2.10	2.14			
		-l.b.	1	68.00	0.20	0.20	2.72			
		chhajja	8	1.80	0.50	0.10	0.72			
			1	2.90	0.50	0.10	0.14			
			1	1.30	0.50	0.10	0.06			
		kit pf	1	2.90	0.50	0.10	0.14			
		col. upto slab	17	0.30	0.20	0.80	0.81			
		-slab beam	1	68.00	0.20	0.30	4.08			
		-t beam	2	4.50	0.20	0.40	0.72			
		-slab	1	13.20	7.50	0.13	12.37			
		-slab	1	3.90	1.10	0.13	0.55			
			1	3.10	3.90	0.13	1.51			
							Total	47.73	cum	4163.00 198,699.99
8	3.4	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:								
								25.96		
							Total	25.96	cum	97.50 2,531.10
9	3.12	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete:								
	12.1	Thermo-Mechanically treated bars FE 415					4773.00			
			47.73	100.00						
							Total	4773.00	kg	54.50 260,128.50
10	7.5	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:								
	5.4	Cement Mortar 1:6 (1 cement : 6 coarse sand)								
		-below plinth	1	68.00	0.20	0.50	6.80			

SN	REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
			17	0.30	0.20	0.50	-0.51			
		Deduction--COL.	1	2.90	0.90	0.17	0.44			
		-STEP	1	2.90	0.30	0.17	0.14			
			2	1.00	0.20	0.60	0.24			
		-P.F	1	1.30	0.20	0.60	0.15			
		RAMP	1	3.00	0.20	0.30	0.18			
						Total	7.44	cum	3263.00	24,276.72
11	7.6	Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:								
		-B/W ABOVE P.L.	1	68.00	0.20	2.10	28.56			
		Deduction--COL.	17	0.30	0.20	2.10	-2.14			
		Deduction--C.G	1	2.60	0.20	2.10	-1.09			
		Deduction--DOOR	5	1.10	0.20	2.10	-2.31			
		Deduction--Window	6	1.50	0.20	1.20	-2.16			
		Deduction--jali	2	1.50	0.20	1.20	-0.72			
		-b/w above l.b.	1	68.00	0.20	0.80	10.88			
		Deduction--col.	17	0.30	0.20	0.80	-0.81			
		Deduction--ventilater	9	0.90	0.20	0.20	-0.32			
						Total	29.89	cum	3384.00	101,147.76
12	9.11	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2mm and braced with flat iron diagonals 20x5mm size with top and bottom rails of T-iron 40x40x6mm with 38mm steel pulleys complete with bolts, nuts, locking arrangement stoppers, handles including applying a priming coat of red oxide zinc chromate primer.								
			1	2.60		2.10	5.46			
						Total	5.46	sqm	3330.00	18,181.80
13	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 M.S. gusset plates at junctions and corners, all necessary fittings								



REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
	complete including applying a priming coat of red oxide zinc chromate primer.								
	-door 1.1x 2.1	5	65.00			325.00			
	-window 1.5x1.2	6	74.00			444.00			
	-jali 1.5x1.2	2	35.00			70.00			
	-ventilator .9x.2	9	4.00			36.00			
						<b>Total</b>	875.00 kg	75.00	65,625.00
14	9.3	Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer.							
	3.2	Electric resistance or induction butt welded tubes Grade-300							
			60.00			60.00			
						<b>Total</b>	60.00 kg	93.50	5,610.00
15	9.15	Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc. including applying a priming coat welded to frame with all necessary fitting complete including applying a priming of red oxide zinc chromate primer. ,Column Footing = 1/6 (NxH)(A1+A2+4Am) ,A1=1x1, A2=,0.2x0.2,							

SN	REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT	
		Am=(1/2)(1X1+0.2x0.2)					210.00				
		-window grill	6	35.00							
							Total	210.00	kg	67.50	14,175.00
16	11.1	Providing and making 6mm thick cement plaster of mix:									
	1.2	In Cement mortar 1:4 (1 cement : 4 fine sand)					54.00				
		-ceilling class	2	6.00	4.50		8.41				
		-office	1	2.90	2.90		16.38				
		-ver	1	9.10	1.80		8.41				
		-kitchen	1	2.90	2.90		8.41				
							Total	87.20	sqm	87.00	7,586.40
17	11.2	Providing and making 12mm thick cement plaster of mix:									
	2.3	In Cement Mortar 1:5 (1 cement : 5 fine sand)					3.30	138.60			
		-inner plaster 6+4.5	2x2	10.50			3.30	38.28			
		-office 2.9+2.9	2	5.80			3.30	71.94			
		-ver. 9.1+1.8	2	10.90			3.30	38.28			
		-kitchen 2.9+2.9	2	5.80			2.10	-5.46			
		Deduction--cg	1	2.60			2.10	-11.55			
		Deduction--d	5	1.10			1.20	-10.80			
		Deduction--w	6	1.50			1.20	-3.60			
		Deduction--jali	2	1.50			0.20	-1.62			
		Deduction--venti.	9	0.90			Total	254.07	sqm	96.50	24,517.75
18	11.3	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:									
	3.3	In Cement Mortar 1:5 (1 cement : 5 fine sand)					4.00	125.60			
		-outer plaster	2	15.70			4.00	64.00			
			2	8.00							
							Total	189.60	sqm	113.00	21,424.80
19	12.13	Providing and laying vitrified floor tiles with double charge/ multi charge printing with water absorption less than 0.5% and conforming to IS : 15622 of approved make in all colours and shades and size mentioned below (+/- 10mm), laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand)									

SN	REF	ITEM DESCRIPTION	H	L	B	H/D	QTY	UNIT	RATE	AMOUNT
		including grouting the joints with white cement and matching pigments etc. complete.								
	13.1	Size 600x600mm								
		-class	2	6.00	4.50		54.00			
		-office	1	2.90	2.90		8.41			
		-ver	1	9.10	1.80		16.38			
		-kitchen	1	2.90	2.90		8.41			
		-total skirting length	1	87.00	0.10		8.70			
		Deduction--open length	1	8.10	0.10		-0.81			
							Total	95.09	sqm	1151.00
										109,448.59
20	12.46	15 mm thick Table rubbed polished Granite stone slab in risers and treads of steps skirting dado and pillars laid on 12mm (Average) thick base of cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry including rubbing and polishing etc. complete (single stone is to be used for risers and treads of steps and width of stone for skirting and dado shall be equal to the height of skirting & dado and length of 1.0 m).								
	46.1	Granite stone grey/pink	1	2.90	0.70		2.03			
			1	3.90	0.30		1.17			
							Total	3.20	sqm	1869.00
										5,980.80
21	14.13	Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even.								
		-class ceiling	2	6.00	4.50		54.00			
		-office	1	2.90	2.90		8.41			
		-ver	1	9.10	1.80		16.38			
		-kitchen	1	2.90	2.90		8.41			
		-inner plaster class	2x2	10.50		3.30	138.60			
		-office	2	5.80		3.30	38.28			
		-ver	2	10.90		3.30	71.94			

SN	REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
		-kitchen 2.9+2.9	2	5.80		3.30	38.28			
		Deduction--c.g	1	2.60		2.10	-5.46			
		Deduction--door	5	1.10		2.10	-11.55			
		Deduction--window	6	1.50		1.20	-10.80			
		Deduction--jali	2	1.50		1.20	-3.60			
		Deduction--ventilator	9	0.90		0.20	-1.62			
		-outer plaster quantity	1	189.60			189.60			
						Total	530.87	sqm	94.50	50,167.21
22	14.12	Applying one coat of cement primer on wall surface (applied @ 0.80 liters/10 sqm) complete.								
		-inner plaster quantity	1	254.07			254.07			
		-outer plaster quantity	1	189.60			189.60			
		-celling quantity	1	87.20			87.20			
						Total	530.87	sqm	23.00	12,210.01
23	14.11	Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade.								
	11.1	On new work (two or more coats)					254.07			
		-inner plaster quantity	1	254.07			87.20			
		celling quantity	1	87.20						
						Total	341.27	sqm	52.50	17,916.67
24	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:								
	15.1	On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)								
		-outer plaster quantity	1	189.60			189.60			
						Total	189.60	sqm	56.00	10,617.60
25	14.17	Painting exterior surface with TEXTURED exterior paint of required shade as per manufacturer's								

SN	REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
		specifications to give protective and decorative finish including cleaning washing of surface etc. complete with:								
	17.1	On new work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/ 10 sqm								
			1	13.00		4.00	52.00			
			1	2.90		4.00	11.60			
						Total	63.60	sqm	140.00	8,904.00
26	14.21	Applying priming coat on steel work with red oxide zinc chromate primer.								
							62.64			
						Total	62.64	sqm	17.50	1,096.20
27	14.22	Painting on new work (two or more coats) to give an even shade with:								
	22.1	Satin synthetic enamel paint								
		-cg	1x2	2.60		2.10	10.92			
		-d	2x5	1.10		2.10	23.10			
		-w	2x6	1.50		1.10	19.80			
		-jali	2x2	1.50		1.20	7.20			
		-ventilator	9	0.90		0.20	1.62			
						Total	62.64	sqm	55.00	3,445.20
28	12.34	Precast Terrazzo tiles 22mm thick with marble chips of size upto 6mm in skirting and risers of steps and exceeding 30cm in height on 12mm thick cement plaster 1:3 (1 cement : 3 coarse sand) jointed with neat cement slurry including rubbing and polishing complete with tiles of.								
	34.2	Medium shade using approximately. 50% white cement and 50% ordinary cement.								
		-step top	1x3	2.90	0.30		2.61			
		-front	1x3	2.90	0.17		1.47			
		-pf& ramp	1x1	3.00	1.30		3.90			
			1x1	3.00	1.30		3.90			

ITEM DESCRIPTION	N	L	B	H/D	Qty	Unit	Rate	Amount
Carriage by mechanical transport upto 5 km								
1.26.1 Bath	1.00	51.09			51.09	Cum	111.00	5670.44
Part A- As per SOR Total Estimate Amount Rs.								1106288.51
Part B- for electrification add Rs.								96473.00
Gross Estimate Amount Rs.								1202761.51
Say amount Rs.								1203000.00

  
 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 Semipali New School Building at ward 48**

As per Sor :- Schedule of Rates Public Works Department [ PWD Electrical 01-06-2020]

S.N o.	Ref. no	Item of Work	Unit	Rate	Qty	Amount
		<b>WIRING IN CONCEALED PVC conduit</b>				
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	<b>SWITCHES &amp; ACCESSORIES</b>				
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	<b>FANS, LUMINARIES AND LAMPS</b>				
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	23758
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 $\geq$ 100 lumens /watt.				
	6.17.5	12 Watt	Each	215.00	16	3440

S No	Ref. no	Item of Work	Unit	Rate	Qty	Amount
8	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 $\geq$ 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 $\geq$ 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
	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	<b>E A R T H I N G</b>				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
12	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
13						



Sl. No.	Ref. no	Item of Work	Unit	Rate	Qty	Amount
14	15.11	Supplying and hanging following sizes one number FRLS PVC insulated /XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 11 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).				
	15.11.3	2 x 10 sq. mm. on 8 SWG GI bearer wire	Metre	103.00	39	4017
<b>As per SOR Total Estimate Amount Rs.</b>						<b>96473.00</b>

  
 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 :- Dismantling of Old School Building

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

Sno.	ITEM DESCRIPTION	N	L	B	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			
				<b>Total</b>	<b>32.57</b>	<b>Cum</b>	<b>768.00</b>	<b>25015.30</b>	
2	16.45 Extra for scrapping cleaning and straitening reinforcement obtained on demolishing of R.C.C. or R.B. work	1						2.10	7524.13
			3582.92			3582.92	kg		
3	16.3 Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead.								
		1	96.5	0.2	4.8	92.64			
		1	55.1	0.2	0.8	8.816			
					<b>Total</b>	<b>101.456</b>	<b>Cum</b>	<b>263.00</b>	<b>26682.93</b>
4	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
5	16.27 Dismantling windows chowkhats with shutters (steel or wood) including architrave, hold fast etc. complete and stacking within 50 metres lead..	6				6	Each	66.50	399.00
5	16.31 Dismantling steel work in built-up section in angles, channels, flats lsection and T-section including all gusset plates, bolts, nuts, cutting rivets, welding etc., including dismembering and stacking within 50 metres lead.	1	2	2.4	30	144	kg	1.00	144.00

6	16 Taking out stone/ concrete/wooden lintels from building masonry of doors windows or any other opening for thickness upto 15 cm.	4	20			80	Metre	73.00	5840.00
7	1.26 Carriage by mechanical transport upto 5 km lead:								
	1.26.3 Dismantled Building debris (Mulba)	1	134.03			134.03	cum	91.50	12263.56
<b>As per SOR Total Estimate Amount Rs.</b>									<b>78768.92</b>

  
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ITEM DESCRIPTION		N	L	B	H/D	Qty	Unit	Rate	Amount
	ment Mortar 1:6 (1 cement : 6 coarse sand)	1	3.20	0.20	0.60	0.38			
		1	4.50	0.20	0.60	0.54			
					Total	0.92	Cum	3350.00	3095.40
7	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work.								
	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).	1	3.30	1.50	0.10	0.50			
		1	3.60	2.40	0.10	0.86			
					Total	1.36	Cum	2789.00	3790.25
8	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. 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.								
		4	3.30		2.40	31.68			
		6	1.80		2.40	25.92			
					Total	57.60	Sqm	294.00	16934.40
9	3.2 Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level								
	3.1.5 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
	Septic tank	2	3.60	0.20	2.40	3.46			
		3	1.80	0.20	2.40	0.86			
		1	3.60	2.40	0.15	1.30			
	cover	1	3.60	2.50	0.12	1.08			
					Total	6.70	Cum	4163.00	27875.45
0	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete:								
	Thermo-Mechanically treated bars FE 415	6.70		60 kg/cum		334.80	kg	54.5	18246.6
	14.22 Painting on new work (two or more coats) to give an even shade with: 14.22.1 Satin synthetic enamel paint								
		2	2.00		2.10	16.80			
					Total	16.80	sqm	55.00	924.00
	14.13 Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even.								
			58.34			58.34	sqm	94.50	5513.13



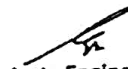
ITEM DESCRIPTION		N	L	B	H/D	Qty	Unit	Rate	Amount
		1	3.00	1.50		4.50			
		1	3.00	1.80		5.40			
					Total	9.90	Cum	396.00	3920.40
18	14.15 Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish Including cleaning washing of surface etc. complete with:								
a	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
20	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.								
	18.76.2 110 mm dia pipe.	1	7.00			7.00	metre	267.00	1869.00
21	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 M.S. gusset plates at junctions and corners, all necessary fittings complete including applying a priming coat of red				60.00	60.00	kg	75.00	4500.00
22	18.77 Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid								
a	18.77.1 Tee/ Tee with door/ Bend 45°/ Bend 90°					2.00	each	113.00	226.00
b	18.77.1.1 75 mm	3				2.00	Each	129.00	258.00
c	75 mm	2				2.00	Each	224.00	448.00
d	110 mm	2				2.00	each	227.00	454.00
e	18.77.5 "P" trap 110mmx110mm long	1				2.00	each	129.00	258.00
f	18.77.8 Plain reducing Tee 110x75mm	3							
23	19.13 Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality:								
	19.13.1 Bib cock (250 grams)	4				4.00	each	185.00	740.00

ITEM DESCRIPTION		N	L	B	H/D	Qty	Unit	Rate	Amount
		1	3.00	1.50		4.50			
		1	3.00	1.80		5.40			
					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:								
a	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
20	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.								
	18.76.2 110 mm dia pipe.	1	7.00			7.00	metre	267.00	1869.00
21	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 M.S. gusset plates at junctions and corners, all necessary fittings complete including applying a priming coat of red				60.00	60.00	kg	75.00	4500.00
	18.77 Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid	1							
a	18.77.1 Tee/ Tee with door/ Bend 45°/ Bend 90°					2.00	each	113.00	226.00
b	18.77.1.1 75 mm	3				2.00	Each	129.00	258.00
c	75 mm	2				2.00	Each	224.00	448.00
d	110 mm	2				2.00	each	227.00	454.00
e	18.77.5 "P" trap 110mmx110mm long	1				2.00	each	129.00	258.00
f	18.77.8 Plain reducing Tee 110x75mm	3							
23	19.13 Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality:								
	19.13.1 Bib cock (250 grams)	4				4.00	each	185.00	740.00



ITEM DESCRIPTION	N	L	B	H/D	Qty	Unit	Rate	Amount
19: Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including 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 Engineer in Charge	24				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						
19.42 Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support	25				500.00	Liters	7.30	3650.00
	1	500.00						
<b>As per SOR Total Estimate Amount Rs.</b>								<b>139144.21</b>

  
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