



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

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

फा.क्र./2015, 2029, 2030, 2425, 2426 एवं 2430 /निर्माण/बालको जोन /2024-25

कोरबा, दिनांक 10.07.2024

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 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 द्वितीय एवं तृतीय मैनुअल निविदा वेबसाइट से डाउनलोड कर बंद लिफाफा के माध्यम से आमंत्रित की जाती है :-

1. निर्धारित प्रारूप में निविदा प्रपत्र प्राप्त होने अंतिम तिथि
2. निविदा खुलने की अंतिम तिथि

- 20.07.2024 सायंकाल 3:00 बजे तक
- 20.07.2024 सायंकाल 4:30 बजे तक

क.	कार्य का नाम	प्राक्कलन राशि	घरोहर राशि	निविदा प्रपत्र का मूल्य	निविदा प्रपत्र	कार्य अवधि	ठेकेदार का वर्ग	निविदा खुलने की तिथि
1	वार्ड क्र. 35 में गुरुद्वारे के पीछे टावर गली में राजेन्द्र नाथ के घर से गुरुद्वारे तक नाली का निर्माण कार्य। (पार्षद मद 2023-24) (तृतीय निविदा)	7,00,000/-	5,300/-	750/-	Form-A	03 माह	सक्षम श्रेणी	20.07.2024
2	वार्ड क्र. 36 प्राथमिक शाला रिस्ता स्कूल का निर्माण/मरम्मत कार्य (जिला खनिज संस्थान न्यास मद 2023-24) (द्वितीय निविदा)	13,63,000/-	10,300/-	750/-	Form-A	04 माह	सक्षम श्रेणी	20.07.2024
3	वार्ड क्र. 36 प्राथमिक शाला पाडीमार स्कूल का निर्माण कार्य (जिला खनिज संस्थान न्यास मद 2023-24) (द्वितीय निविदा)	14,63,000/-	11,000/-	750/-	Form-A	04 माह	सक्षम श्रेणी	20.07.2024
4	वार्ड क्र. 35 सोलकी बाडी के पीछे रिगरोड में साधुराम साहू के घर होते हुए अमृता यादव के घर तक सड़क एवं नाली का निर्माण कार्य। (जिला खनिज संस्थान न्यास मद 2023-24) (तृतीय निविदा)	5,00,000/-	5,000/-	750/-	Form-A	03 माह	सक्षम श्रेणी	20.07.2024
5	वार्ड क्र. 36 ग्राम भदरापारा में सी.सी.रोड (100 मी.) एवं नाली निर्माण कार्य (100मी.)। (जिला खनिज संस्थान न्यास मद 2023-24) (तृतीय निविदा)	5,00,000/-	5,000/-	750/-	Form-A	03 माह	सक्षम श्रेणी	20.07.2024
6	वार्ड क्र. 40 नेहरुनगर टाकिज के सामने शंकर साहू के घर से भूषण साहू के घर तक सी.सी.रोड निर्माण कार्य। (जिला खनिज संस्थान न्यास मद 2023-24) (तृतीय निविदा)	5,00,000/-	5,000/-	750/-	Form-A	03 माह	सक्षम श्रेणी	20.07.2024

निविदा की शर्तें:-

1. निविदा दरे प्रचलित सी.एस.आर.से कम या अधिक प्रतिशत दरों पर दिया जावे सी.एस.आर.के अंतर्गत के आयटमों पर पृथक से आयटम दरों का उल्लेख करने पर निविदा निरस्त मानी जावेगी।
2. 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 बजे के पश्चात् प्राप्त निविदाएँ स्वीकार नहीं किए जावेंगे।

3. निविदा प्रपत्र नगर पालिक निगम, कोरवा के वेबसाईट www.korbamunicipal.in/uad.cg.gov.in डाउनलोड किया जाकर नवीन निविदा प्रपत्र **Form - A/B/ABC** (जारी दिनांक तक समस्त संशोधनों के साथ) निर्धारित शुल्क की डीडी के साथ संबंधित कार्य का नाम पूर्ण विवरण सहित भरकर भेजना होगा।
4. निविदा प्रपत्र बंद लिफाफा के माध्यम 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 उल्लेखित अन्य दस्तावेज के साथ निर्धारित प्रपत्र शुल्क का वैध डीडी, निविदाओं में निविदाकार को फिजीकल दस्तावेज के साथ निविदा सूचना जारी होने के पश्चात् दिनांक का शपथ पत्र (राशि रु.100/- के नॉन ज्यूडिशियल स्टाम्प पेपर में) जिसमें संबंधित कार्य का नाम एवं कार्य की निविदा क्रमांक प्रत्येक लिफाफे में स्पष्ट रूप से अंकित कर प्रेषित करना अनिवार्य होगा एवं अमानत राशि का वैध टी.डी.आर./एफ.डी.आर. नगद निगम कोष में जमा कर जो कि आयुक्त, नगर पालिक निगम कोरवा के नाम पर देय होगा प्रस्तुत करना होगा।
- (ब) द्वितीय लिफाफा में ठेकेदार द्वारा भरा हुआ निविदा प्रपत्र होगा।
- (स) बंद लिफाफा में उपरोक्त दोनो लिफाफाएँ होगी 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 प्रपत्र प्राप्त करने हेतु इच्छुक ठेकेदारों को आवेदन पत्र के साथ उचित वर्ग में पंजीयन की प्रमाणित प्रतिलिपि यदि साझेदारी फर्म हो तो उसका प्रमाण पत्र (पार्टनरशीप डीड) की सत्य प्रतिलिपि, पूर्व में इस प्रकार की किए गए कार्यों की प्रमाणित सूची, उपलब्ध तकनीकी अमले की जानकारी पिछले वित्तीय वर्ष का आय चुकता प्रमाण पत्र, पेन नम्बर, जी.एस.टी. पंजीयन, शपथ पत्र (मुल प्रति) 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 एवं निर्धारित प्रारूप में निविदा आमंत्रण सूचना के कंडिका क्र. 04 के लिफाफा (अ) में प्रस्तुत करना अनिवार्य होगा।
7. कार्य हेतु प्रत्येक लिफाफे पर कार्य का नाम निविदा आमंत्रण सूचना कर्मांक, 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 संबंधी 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, टाईम डिपॉजिट अथवा एन.एस.सी. जो कि आयुक्त नगर पालिक निगम कोरवा 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 कार्यों के लिये 5 प्रतिशत सुरक्षा राशि रनिंग देयको के साथ 01 वर्ष के लिए एवं 5 प्रतिशत परफार्मेंस राशि 03 वर्ष के लिए रोकी जावेगी। (मरम्मत एवं संधारण मद अंतर्गत कार्यों में परफार्मेंस गारंटी की राशि नहीं काटी 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 तहत पंजीयन कराना आवश्यक होगा तथा निर्माण लागत का 1 प्रतिशत उपकर के रूप में प्रत्येक देशक 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 शपथपत्र कंडिका क्र. 04 के प्रथम लिफाफा (अ) में प्रस्तुत करना अनिवार्य होगा।
19. ईट से संबंधित निर्माण कार्यों में प्लाई एश ब्रिक का उपयोग किया जाना अनिवार्य होगा।
20. ठेकेदार को निर्माण कार्य के दौरान निर्माण एवं अपशिष्ट प्रबंधन नियम 2016 में किये गये प्रावधानों का पालन करना अनिवार्य होगा।
21. ठेकेदार द्वारा संपादित किये गये कार्यों के देयकों का भुगतान बजट आबंटन और राशि उपलब्ध होने पर किया जाएगा।
22. निविदा प्रपत्र अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नहीं किया जावेगा।
23. निविदा के संबंध में किसी प्रकार की विवाद होने की स्थिति में आयुक्त के द्वारा अधीनस्थ अधिकारियों का निर्णय अंतिम एवं सर्वमान्य होगा।
24. निविदा प्रपत्र Form-A के क्लॉज नम्बर-11 अनुसार एस्केलेशन देय नहीं होगा।
25. निविदा स्वीकृत करने अथवा अस्वीकृत करने का अधिकार नगर पालिक निगम के पास सुरक्षित रहेगा।
26. 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.-


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

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

DETAILED ESTIMATE

Govt. Primary School Risda Ward No. 36

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

Schedule of Rates Public Works Department [PWD Electrical 01-06-2020]

ITEM	DESCRIPTION	N	L	B	H/D	Qty	Unit	Rate	Amount
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.								
	In all types of soil								
	column	17	1.30	1.30	1.30	37.35			
	pb	1	68.00	0.30	0.30	6.12			
	deduction foundation	-17	1.30	0.30	0.30	-1.99			
	step	1	2.90	0.90	0.10	0.26			
	platform	2	1.30	0.30	0.10	0.08			
	ramp	1	1.30	0.30	0.10	0.04			
		1	3.00	0.30	0.10	0.09			
						41.95	cum	185.00	7760.33
2	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. complete.								
	footing	17	1.30	1.30	0.10	2.87			
		1	68.00	0.30	0.10	2.04			
	deduction column	-17	1.30	1.30	0.10	-2.87			
	floor class	2	6.00	4.50	0.40	21.60			
	office	1	2.90	2.90	0.40	3.36			
	ver.	1	9.10	1.80	0.40	6.55			
	kitchen	1	2.90	2.90	0.40	3.36			
						36.92	Cum	371.00	13697.32
3	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.								
	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).								
	column	17	1.30	1.30	0.15	4.31			
	pb	1	68.00	0.30	0.10	2.04			
	ded. column	-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	1.64			
	kitchen	1	2.90	2.90	0.10	0.84			
	steps	1	2.90	0.90	0.10	0.26			
	platform	2	1.30	0.30	0.10	0.08			
	ramp	1	1.30	0.30	0.10	0.04			
		1	3.00	0.30	0.10	0.09			
	platform top	1	2.80	1.30	0.10	0.36			
	ramptop	1	3.00	1.10	0.10	0.33			
		2	15.00	1.50	0.10	4.50			
		2	11.80	1.50	0.10	3.54			
						24.12	cum	2659.00	64131.09
	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size).								
		2	15.00	1.45	0.15	6.53			

		2	12.40	1.45	0.15	5.39			
						11.92	cum	4073.00	42546.09
	Providing and laying nominal mix reinforcement in concrete with crushed stone aggregate using nominal mix in all works upto floor five level excluding cost of reinforcement and form work.								
	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
	Footing	17	1.10	1.10	0.15	3.09			
	1.1x1.1+3x.4+/(1.1*1.1*3*.4)	17x1/3	1.71		0.45	4.36			
	upto pb	17	0.30	0.20	0.85	0.87			
	Plinth Beam	1	68.00	0.20	0.30	4.08			
	Column up to lb	17	0.20	0.30	2.10	2.14			
	Lintel	1	68.00	0.20	0.20	2.72			
	chhajja	8	1.80	0.50	0.09	0.65			
		1	2.90	0.50	0.09	0.13			
		1	1.30	0.50	0.09	0.06			
	kitpb	1	2.90	0.50	0.09	0.13			
	column up to slab	17	0.30	0.20	0.80	0.82			
	slab Beam	1	68.00	0.20	0.20	2.72			
	T Beam	2	4.50	0.20	0.40	0.72			
	Slab	1	13.20	7.50	0.13	12.38			
		1	3.90	1.10	0.13	0.54			
		1	3.10	3.90	0.13	1.51			
						36.90	cum	4163.00	153612.86
5	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		36.9	108.5		4003.65	kg	54.50	218198.93
6	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
	Foundations, footings, base of columns and plinth beam in any shape and size.								
	Rec base(1.1+1.1)	17	2.00	2.20	0.15	11.22			
	col upto pl (.2+.3)	17	2.00	0.50	0.85	14.45			
	pb	1	2.00	68.00	0.30	40.80			
						66.47	sqm	139.00	9239.33
	Columns, Pillars, Piers and likes- rectangular or square in shape								
	column upto lb(.3+.2)	17x2	0.50		2.10	35.70			
	column upto slab(.3+.2)	17x2	0.50		0.80	13.60			
						49.30	sqm	297.00	14642.10
	Beams, lintels, cantilevers & walls								
	lb	1x2	68.00		0.20	27.20			
	chhajja	8x1	1.80	0.50		7.20			
		1	2.90	0.50		1.45			
		1	1.30	0.50		0.65			
	kitchen lb	1	2.90	0.50		1.45			
	slab Beam	1x2	68.00		0.20	27.20			
	T Beam	2x2	4.50		0.40	7.20			
						72.35	sqm	202.00	14614.70
	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)								
	SLAB	1	13.20	7.50		99.00			
		1	3.90	1.10		4.29			
		1	3.10	3.90		12.09			
						115.38	sqm	235.00	27114.30

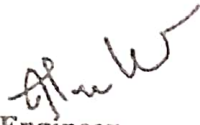
	Providing PCC/RCC of any grade in structure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:					17.38	cum	97.50	1694.55
	Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to IS:12894-2002 of class designation 40 in foundation and plinth in: Cement Mortar 1:6 (1 cement : 6 coarse sand)								
	Brick work below pb	1	68.00	0.20	0.5	6.80			
	column deduction	-17	0.30	0.20	0.50	-0.51			
	steps	1	2.90	0.90	0.17	0.44			
		1	2.90	0.60	0.17	0.30			
		1	2.90	0.30	0.17	0.15			
	pf	2	1.00	0.20	0.60	0.24			
	ramp	1	1.30	0.20	0.60	0.16			
		1	3.00	0.20	0.30	0.18			
		1	68.00	0.20	2.10	28.56			
	deduction column	-17	0.20	0.30	2.10	-2.14			
	deduction channel	-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			
	brick work above lb	1	68.00	0.20	0.80	10.88			
	deduction column	-17	0.30	0.20	0.80	-0.82			
	deduction v	-9	0.90	0.20	0.20	-0.32			
						37.63	Cum	3263.00	122784.73
9	Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:					29.88	Cum	121.00	3615.48
10	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 oxide zinc chromate primer.								
	door (1.1x2.1)	5	65.00			325.00			
	window(1.5x1.2)	6	74.00			444.00			
	jali(1.5x1.2)	2	35.00			70.00			
	v(.9x.2)	9	4.00			36.00			
	ramp handle	1	30.00			30.00			
						905.00	kg	75.00	67875.00

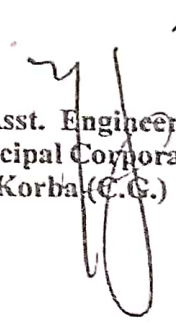
	fixing in position collapsible steel vertical channels 20x10x2mm and flat iron diagonals 20x5mm size with top ends of T-iron 40x40x6mm with 38mm pulleys complete with bolts, nuts, locking arrangement stoppers, handles including applying a priming coat of red oxide zinc chromate primer.	1	2.60		2.10	5.46	sqm	3300.00	18018.00
	Providing and laying vitrified floor tiles with double charge/ multi charge printing with water absorption less than 0.5% and conforming to IS : 15622 of approved make in all colours and shades and size mentioned below (+/- 10mm), laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.								
	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			
	skirting	1	87.00		0.10	8.70			
		-1	8.10		0.10	-0.81			
	steps	3	2.90		0.17	1.48			
		3	2.90	0.30		2.61			
		1	3.00	1.30		3.90			
		1	3.00	1.30		3.90			
						106.98	sqm	1151.00	123132.83
13	Providing and making 6mm thick cement plaster of mix:								
	In Cement mortar 1:4 (1 cement : 4 fine sand)								
	class	2	6.00	4.50		54.00			
	office	1	2.90	2.90		8.41			
	kitchen	1	2.90	2.90		8.41			
	ver	1	9.10	1.80		16.38			
						87.20	sqm	87.00	7586.40
14	12mm thick cement plaster of mix:								
	In Cement Mortar 1:5 (1 cement : 5 fine sand)								
	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			
	kitchen	2	5.80		3.30	38.28			
	deduction channel	-1	2.60		2.10	-5.46			
	deduction door	-5	1.10		2.10	-2.31			
	deduction window	-6	1.50		1.20	-7.20			
	deduction jali	-2	1.50		1.20	-7.20			
	deduction v	-9	0.90		0.20	-0.72			
						264.21	sqm	96.50	25496.27
15	15mm thick cement plaster on the rough side of single or half brick wall of mix:								
	In Cement Mortar 1:5 (1 cement : 5 fine sand)								
	outer plaster	2	15.70		4.00	125.60			
		3	8.00		4.00	96.00			
						221.60	sqm	113.00	25040.80

	and applying 2mm thick ready mix plaster (manufactured with corn dung lime) on wall to make the surface smooth and even. Washing with lime to give an even shade. on new work (Three or more coats)								573.01	sqm	101.00	57874.01
17	14.11 Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade on new work (two or more coats)								573.01	sqm	9.40	5326.29
18	14.16 Painting exterior surface with PREMIUM 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:								351.41	sqm	52.50	18449.03
	14.16.1 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) sqm 74.50								221.60	sqm	74.50	16509.20
19	Painting on new work (two or more coats) to give an even shade with:											
	Paint synthetic enamel paint											
	channel	2	2.60	1.20	2.10	13.10						
	door	5x2	1.10	1.10	2.10	25.41						
	window	6x2	1.50	1.10	1.20	23.76						
	jali	2x2	1.50	1.10	1.20	7.92						
	v	9	0.90	1.00	0.20	1.62						
									71.81	sqm	55.00	3949.77
20	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.								20.00	cum	65.00	1300.00
21	1:2:4 Carriage by mechanical transport upto 5 km lead:											
	Earth								41.95	cum	111.00	4656.45
22	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.											
	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40mm nominal size).											
		1	3.2	3.2	0.15	1.54			1.54	cum	3552.00	5455.87
23	Providing and laying damp proof course (upto 50mm thick) with plain cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded crushed stone aggregate 20mm nominal size) including form work.											
	steps	3	2.9	0.3	0.1	0.26						
		1	3	1.3	0.1	0.39						
		1	3	1.3	0.1	0.39						
									1.04	cum	3237.00	3369.72

ing white or colour wash by
and papering and preparing the
tooth including necessary repair to
e.complete.

25	4.16 Providing and laying 3mm thick APP (Atactic Polypropylene Polymer)modified prefabricated five layer 3mm thick water proofing membrane,black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 ltr/sqm. by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ltr and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc.. and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under :Joint strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and	1.00	7.50	7.50	56.25	sqm	4.30	241.88
		1.00	7.50	7.50	56.25	sqm	396.00	22275.00
As per SOR Total Estimate Amount Rs.								1106274.37
Say Amount Rs.								


Sub Engineer
Municipal Corporation
Korba (C.G.)


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

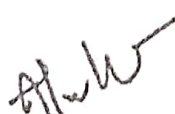
OFFICE OF THE MUNICIPAL CORPORATION, KORBA (C.G.)
Abstract

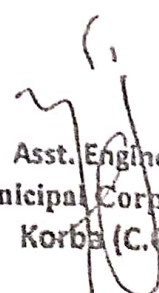
:- Internal Electrification Work In Primary school Rlsda New School Building at ward
 36

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

S.No.	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)				0
	1.13.1	3 X 1.5 sq. mm in 20mm conduit	Metre	92.00	65	5980
	1.13.2	3 X 2.5 sq. mm in 20mm conduit	Metre	111.00	65	7215
3	4.3	Supplying and fixing of following sizes PVC switch box suitable for modular switches with modular base and cover plates on surface complete as per specification				
	4.3.2	118mmX94mm (3 Module)	Each	133.00	4	532
	4.3.3	150mmX94mm (4 Module)	Each	144.00	4	576
	4.3.4	205mmX94mm (6 Module)	Each	178.00	6	1068
	5	SWITCHES & ACCESSORIES				
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.				
	5.4.1	5/6 amps one way switch	Each	69.00	6	414
	5.4.2	5/6 amps two way switch	Each	85.00	6	510
	5.4.4	15/16 amp switch	Each	89.00	7	623
	5.4.5	3 pin 5/6 amp socket outlet	Each	96.00	4	384
	5.4.6	6 pin 15/16 amp socket outlet	Each	120.00	4	480
	5.4.8	Fan regulator (one module size) electronic stepped type moving all rounds	Each	186.00	16	2976
	6	FANS, LUMINARIES AND LAMPS				0
5	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.				0
	6.1.3	1200 mm sweep	Each	1697.00	14	23758

		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.				0
	6.19.3	18/20 watt (4 feet)	Each	443.00	16	7088
8	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.				0
	6.28.7	60 watt	Each	3622.00	3	10866
9	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 linned copper busbar, neutral busbar, earth bar, din bar, detachable gland plate, including interconnections, earthing etc. as per specification. (But without MCB/RCCB/Isolator)				0
	9.4.1	4 way Single door	Each	1317.00	1	1317
10	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.				0
	9.12.2	6 amps to 32 amps	Each	411.00	3	1233
	9.12.3	40 amps	Each	645.00	3	1935
	9.12.4	50 amps	Each	654.00	2	1308
	12	EARTHING				0
11	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	15	MV CABLE LAYING (1.1 KV)				0
	15.1	Supplying and laying following sizes one number FRLS PVC insulated/XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade direct in ground at a depth not less than 40 cm and upto 90 cm including excavation, sand cushioning, protective covering and refilling the trench etc as per specification, IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1).				0
	15.1.5	2 x 25 sq. mm	Metre	264.00	25	6600
As per SOR Total Estimate Amount Rs.						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

Work :- Dismantling of old primary school Building Risda w.n- 36

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

	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								
	slab	1	23.50	9.00	0.13	26.44			
	slab beam	3	22.70	0.20	0.30	4.09			
		4	8.50	0.20	0.30	2.04			
	L beam	3	22.70	0.20	0.30	4.09			
		4	8.50	0.20	0.30	2.04			
	plinth beam	3	22.70	0.20	0.30	4.09			
		4	8.50	0.20	0.30	2.04			
		28	0.20	0.30	1.00	1.68			
		28	1.00	1.00	0.30	8.40			
					Total	54.8955	Cum	768	42159.74
2	16.3 Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead.								
	16.3.3 In cement mortar	2	13.8	0.2	3.5	26.32			
		4	8.5	0.2	3.5	23.8			
					Total	50.12	Cum	263.00	13181.56
3	16.43 Demolishing cement concrete including disposal of material within 50 metre lead.								
	16.43.1 1:4:8 or leaner mix								
		1	22.7	8.5	0.1	19.295	cum	329.00	6348.06
4	16.26 Dismantling doors chowkhats with shutters (steel or wood) including architrave, hold fast etc. complete and stacking within 50 metres lead.	8				8	Each	100.00	800.00
5	1.26 Carriage by mechanical transport upto 5 km lead:								
	1.26.3 Dismantled Building debris (Mulba)	1	124.30			124.30	cum	91.50	11373.45
As per SOR Total Estimate Amount Rs.									73862.8

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

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

OFFICE OF THE NAGAR PALIK NIGAM, KORBA (C.G.)
ABSTRACT

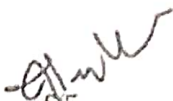
of Work : TOILET RPAIRING OF PRIMARY SCHOOL RISDA
SOR : SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD BUILDING-01.01.2015]

S.N	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	16.3	Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead.				
	3.3	In cement mortar.	cum	2.72	283.00	715.36
2	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.	cum	8.00	185.00	1,494.80
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. complete.	cum	1.96	371.00	727.16
4	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.				
	1.3	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).	cum	0.96	2970.00	2,851.20
5	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.				
	1.5	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	cum	2	4073.00	8,146.00
6	7.4	Brick work with modular well burnt (open bhalla) clay bricks of crushing strength not less than 20 kg/sqcm and water absorption not more than 25% in foundation and plinth in:				
	4.1	Cement Mortar 1:6 (1 Cement : 6 Coarse Sand)	cum	2.22	3263.00	7,243.66
7	11.3	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:				
	3.4	In Cement Mortar 1:6 (1 cement : 6 fine sand)	sqm	9.72	107.00	1,040.04
8	11.5	Neat Cement punning.	sqm	9.72	33.00	320.76
9	20.28	Providing and constructing brick masonry chamber for underground pipe and and bends with well burnt modular clay bricks crushing strength not less than 35kg/cm ² in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) R.C.C. top slab with 1:2:4 mix (1 cement :2 coarse sand : 4 graded stone aggregate 20 mm nominal size) foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design :				
	28.1	Inside dimensions 455x610 mm and 45 cm deep for single pipe line :	Each	2	3796.00	7,592.00

ITEM DESCRIPTION		UNIT	QTY	RATE	AMOUNT
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	kg	34.11	54.50	1,859.99
11	3.2 Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.				
2.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	cum	0.22	4153.00	1,125.84
12	3.9 Extra for precast PCC/ RCC work of any mix including form work, hoisting and fixing in Cement Mortar. 1:2 (1 Cement : 2 coarse sand) and finishing with cement plaster in Cement Mortar 1:3 (1 Cement : 3 coarse sand) but excluding reinforcement.	cum	0.22	459.00	131.32
13	16.43 Demolishing cement concrete including disposal of material within 50 metre lead.				
13.2	1:3:6 or richer mix	cum	6.6	549.00	3,623.40
14	12.9 Providing and laying ceramic glazed floor tiles conforming to IS : 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete.				
9.1	Size 300x300mm	sqm	6.6	692.00	4,557.20
15	12.7 Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching pigment complete.				
7.2	Size above 200x300mm	sqm	12.72	646.00	8,217.12
16	17.1 Repairs to plaster in patches of area 2.5 sq. metres and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls with cement mortar 1:4 (1 cement : 4 fine sand) complete including disposal of rubbish to the dumping ground within 50metres lead :				
1.1	Thickness upto 15mm	sqm	7.52	132.00	992.64
17	18.1 Providing and fixing water closet squatting pan (Indian type W.C. pan), 100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :				
1.3	White Orissa pattern W.C. pan of size 680x440 mm	each	2	2899.00	5,798.00
18	18.76 Providing and fixing on wall face or under floor UV stabilised 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.				
76.2	110 mm dia pipe.	metre	20	267.00	5,340.00
19	19.4 Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings 1/2 fixing the pipe with clamps at 1.00 m spacing. This				

SN	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		Includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer In Charge. INTERNAL WORK - EXPOSED ON WALL				
	4.1	15 mm nominal outer dia .Pipes.	metre	25	110.00	2,750.00
20	19.13	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality:				
	13.1	Bib cock (250 grams)	each	4	185.00	740.00
21	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 for tank		500.00	7.30	3,650.00
22	18.77	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.				
	77.3	Vent cover	0			
	3.2	110 mm	each	2	44.00	88.00
23	18.14	Providing and fixing white vitreous china urinal basin as per IS : 2556 complete:				
	14.1	Flat back half stall urinal of size 460x380x250mm	each	2	1183.00	2,366.00
24	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 comers, all necessary fittings complete including applying a priming coat of red oxide zinc chromate primer.	kg	120	75.00	9,000.00
25	14.5	White washing with lime to give an even shade.				
	5.2	On old work (Two or more coats)	sqm	89.68	5.50	493.24
26	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)	sqm	89.68	56.00	5,022.08
27	14.22	Painting on new work (two or more coats) to give an even shade with:				
	22.1	Satin synthetic enamel paint	sqm	8.49	55.00	466.95

As per Estimate Amount Rs. 86401.76


S.E.
Nagar Palik Nlgam
Korba(C.G.)


A.E.
Nagar palik Nlgam
korba(C.G.)

OFFICE OF THE NAGAR PALIK NIGAM, KORBA (C.G.)

DETAILED ESTIMATE

Name of Work : TOILET RPAIRING OF PRIMARY SCHOOL RISDA
 Number : 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	16.3	Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead.								
	3.3	In cement mortar.								
			1	3.30	0.20	1.80	1.18			
			1	2.70	0.20	1.80	0.97			
			1	1.60	0.20	1.80	0.57			
						Total	2.72	cum	263.00	715.56
2	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.								
		septic tank	1	1.90	1.60	2.00	6.08			
			1	5.00	4.00	0.10	2.00			
						Total	8.08	cum	185.00	1494.80
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. complete.								
		girls	1	1.90	1.60	0.10	0.30			
			1	3.30	2.00	0.10	0.66			
			1	5.00	4.00	0.05	1.00			
						Total	1.96	cum	371.00	727.16
4	3.1	Providing and laying								

	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
	nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
1.3	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								
		1	1.90	1.60	0.10	0.30			
		1	3.30	2.00	0.10	0.65			
					Total	0.95	cum	2370.00	2351.20
5	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.								
1.5	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
		1	5.00	4.00	0.10	2.00			
					Total	2.00	cum	4073.00	3145.00
6	7.4 Brick work with modular well burnt (open bhatta) clay bricks of crushing strength not less than 20 kg/sqcm and water absorption not more than 25% in foundation and plinth in:								
4.1	Cement Mortar 1:6 (1 Cement : 6 Coarse Sand)								
		2	1.90	0.20	1.80	1.36			
		2	1.20	0.20	1.80	0.86			
					Total	2.22	cum	3263.00	7243.66
7	11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:								
3.4	In Cement Mortar 1:6 (1								

	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
	cement : 6 fine sand)								
		2	1.50	1.80		5.40			
		2	1.20	1.00		4.32			
					Total	9.72	sqm	107.00	1040.04
s	11.5 Neat Cement punning.					9.72			
					Total	9.72	sqm	33.00	320.76
9	20.25 Providing and constructing brick masonry chamber for underground pipe and bends with well burnt modular clay bricks crushing strength not less than 35kg/cm ² in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design :								
	28.1 Inside dimensions 455x610 mm and 45 cm deep for single pipe line :								
						2.00			
					Total	2.00	Each	3796.00	7592.00
10	3.12 Providing and placing in position reinforcement for								

ITEM DESCRIPTION		N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
	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								
		3x4	1.60	0.62		11.84			
		3x11	0.50	0.62		10.18			
		3	1.60	0.62		2.96			
		11	0.30	0.62		2.03			
	handle	8	1.00	0.89		7.10			
					Total	34.11	kg	54.50	1858.99
11	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).								
		3	0.50	1.60	0.10	0.24			
		1	0.30	1.60	0.10	0.04			
					Total	0.28	cum	4163.00	1155.64
12	3.9 Extra for precast PCC/ RCC work of any mix including form work, hoisting and fixing in Cement Mortar. 1:2 (1 Cement : 2 coarse sand) and finishing with cement plaster in Cement Mortar 1:3 (1 Cement : 3 coarse sand) but excluding reinforcement.								
						0.28			
					Total	0.28	cum	469.00	131.32
13/16.43	Demolishing cement concrete including disposal of material within 50 metre lead.								
43.2	1:3:6 or richer mix	1	3.30	2.00		6.60			

ITEM DESCRIPTION		N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
					Total	6.60	cum	549.00	3623.40
2.9	Providing and laying ceramic glazed floor tiles conforming to IS : 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete.								
9.1	Size 300x300mm	1	3.30	2.00		6.60			
					Total	6.60	sqm	692.00	4567.20
15	12.7 Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching pigment complete.								
7.2	Size above 200x300mm	1	10.60	1.20		12.72			
					Total	12.72	sqm	646.00	8217.12
16	17.1 Repairs to plaster in patches of area 2.5 sq. metres and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls with cement mortar 1:4 (1 cement : 4 fine sand) complete including disposal of rubbish to the dumping ground within 50metres lead :								
1.1	Thickness upto 15mm	2	1.50	0.40		1.20			


ITEM DESCRIPTION		N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
		2	1.80	0.40		1.44			
		2	3.70	0.40		2.96			
		2	2.40	0.40		1.92			
					Total	7.52	sqm	132.00	992.64
17	13.1	Providing and fixing water closet squatting pan (Indian type W.C. pan), 100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :							
	13	White Orissa pattern W.C. pan of size 580x440 mm							
						2.00			
					Total	2.00	each	2899.00	5798.00
18	18.75	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.							
	75.2	110 mm dia pipe.							
						20.00			
					Total	20.00	metre	267.00	5340.00
19	19.4	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This							

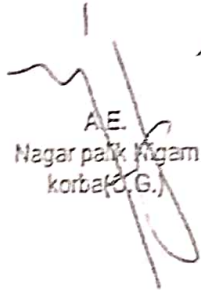
ITEM DESCRIPTION		N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
	includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. INTERNAL WORK - EXPOSED ON WALL								
4.1	15 mm nominal outer dia .Pipes.					25.00			
					Total	25.00	metre	110.00	2750.00
20 19 13	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality:								
13.1	Bib cock (250 grams)					4.00			
					Total	4.00	each	185.00	740.00
21 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 for tank					500.00		7.30	3650.00
22 18.77	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.								
77.3	Vent cover						0	0.00	
13.2	110 mm					2.00			
					Total	2.00	each	44.00	88.00

ITEM DESCRIPTION		N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
Providing and fixing white vitreous china urinal basin as per IS : 2556 complete:									
14.1	Flat back half stall urinal of size 460x380x250mm					2.00			
					Total	2.00	each	1183.00	2366.00
24	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 oxide zinc chromate primer.							
						120.00			
					Total	120.00	kg	75.00	9000.00
25	14.5	White washing with lime to give an even shade.							
	5.2	On old work (Two or more coats)							
	boys	2	1.50	2.00		6.00			
		2	1.80	2.00		7.20			
		2	1.10	1.80		3.96			
		2	1.40	1.80		5.04			
		1	1.10	1.40		1.54			
	girls	2	3.70	3.30		24.42			
		2	2.40	3.30		15.84			
		2	3.30	1.80		11.88			
		2	2.00	1.80		7.20			
		1	3.30	2.00		6.60			
					Total	89.68	sqm	5.50	493.24
26	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							

ITEM DESCRIPTION		H	L	B	H/D	QTY	UNIT	RATE	AMOUNT
	lt/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)								
						89.88			
					Total	89.88	sqm	56.00	5022.08
27 14 22	Painting on new work (two or more coats) to give an even shade with:								
22 1	Satin synthetic enamel paint								
		2	0.80	2.10		3.36			
		2	0.80	1.80		2.88			
		2	0.75	1.50		2.25			
					Total	8.49	sqm	55.00	463.95

As per Estimate Amount Rs. 86401.71
Say Rs.


S/E
Nagar Palik Nigam
Korba(C.G.)


A.E.
Nagar palik Nigam
korba(C.G.)