



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

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

टी.पी. नगर जोन

फा.क्र./266,267,268,269,270,271/निर्माण (टी.पी. नगर)/2024/

कोरबा, दिनांक 11.09.2024

निविदा आमंत्रण की सूचना

लोक निर्माण विभाग से एकीकृत पंजीयन प्रणाली अंतर्गत सक्षम श्रेणी में पंजीकृत ठेकेदारों से निम्नलिखित कार्य के कार्यों क्र. 01 से 03 तक के लिए प्रमुख अभियन्ता लोक निर्माण विभाग, रायपुर द्वारा प्रचलित PWD Building SOR 01.01.2015 एवं PWD Electrical SOR 01.06.2020, कार्य क्र. 04 के लिए हेतु प्रमुख अभियन्ता लोक निर्माण विभाग, रायपुर द्वारा प्रचलित PWD Building SOR 01.01.2015 & PWD Road SOR 01.01.2015 एवं कार्य क्र. 05 से 06 तक के लिए 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 शेड्यूल अनुसार आयटम दरों पर Form-A निम्नलिखित निर्माण कार्यों हेतु मैनुअल निविदा वेबसाइट से डाउनलोड कर त्रि-लिफाफा पद्धति माध्यम से आमंत्रित की जाती है :-

क्र.	कार्य का नाम	प्राक्कलन राशि में	धरोहर राशि रु में	निविदा प्रपत्र का मूल्य	निविदा प्रपत्र	कार्यावधि	ठेकेदार का वर्ग	निर्धारित प्रारूप में निविदा प्रपत्र प्राप्त होने अंतिम तिथि	निविदा खुलने की अंतिम तिथि
1.	वार्ड क्र. 03 राताखार में स्थित शासकीय माध्यमिक शाला में अतिरिक्त कक्षा निर्माण कार्य (जिला खनिज संस्थान न्यास मद, प्रथम निविदा)	14,58,000/-	11,000/-	750/-	Form-A	04 माह	सक्षम श्रेणी	01.10.2024	03.10.2024
2.	वार्ड क्र. 16 में शासकीय प्राथमिक शाला एवं माध्यमिक शाला कोहड़िया (चारपारा) में शौचालय (बालक/बालिका) एवं किचन शेड का निर्माण कार्य खनिज संस्थान न्यास मद, प्रथम निविदा)	12,62,000/-	9,500/-	750/-	Form-A	04 माह	सक्षम श्रेणी	01.10.2024	03.10.2024
3.	वार्ड क्र. 16 कोहड़िया अंतर्गत शासकीय प्राथमिक शाला भवन का निर्माण कार्य (नवीन भवन) (खनिज संस्थान न्यास मद, प्रथम निविदा)	16,70,000/-	13,000/-	750/-	Form-A	04 माह	सक्षम श्रेणी	01.10.2024	03.10.2024
4.	वार्ड क्र. 16 कोहड़िया में सी.सी. रोड निर्माण कार्य (प्रमारी मंत्री मद, प्रथम निविदा)	15,00,000/-	11,250/-	750/-	Form-A	04 माह	सक्षम श्रेणी	01.10.2024	03.10.2024
5.	वार्ड क्र. 16 अंतर्गत कोहड़िया के विभिन्न मोहल्लों में आर.सी.सी. नाली एवं सी.सी. रोड का निर्माण कार्य (खनिज संस्थान न्यास मद, प्रथम निविदा)	20,00,000/-	15,000/-	750/-	Form-A	04 माह	सक्षम श्रेणी	01.10.2024	03.10.2024
6.	वार्ड क्र. 16 अंतर्गत कोहड़िया में आर.सी.सी. नाली एवं सी.सी. रोड का निर्माण कार्य (खनिज संस्थान न्यास मद, प्रथम निविदा)	15,00,000/-	11,250/-	750/-	Form-A	04 माह	सक्षम श्रेणी	01.10.2024	03.10.2024

निविदा की शर्तें:-

- 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 दरतावेज 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, कोरबा आई.टी.आई. कॉलोनी रामपुर, कोसाबाड़ी जिला-कोरबा (छ.ग.) पिन नं.-495677 के पते पर भेजना होगा। निर्धारित तिथि को सायं 3:00 के पश्चात् प्राप्त निविदाएँ रवीकार नहीं किए जावेंगे।
- निविदा प्रपत्र नगर पालिक निगम, कोरबा के वेबसाइट 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।
- निविदा प्रपत्र त्रि-लिफाफा पद्धति से गान्य 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 डीडी एवं निविदाओं में निविदाकार को फिजिकल दस्तोवज के साथ निविदा सूचना जारी होने के पश्चात् दिनांक का शपथ पत्र जिसमें संबंधित कार्य का नाम एवं कार् की निविदा क्रमांक अंकित हो प्रेषित करना अनिवार्य होगा एवं अमानत राशि का टी.डी.आर./एफ.डी.आर. नगद निगम कोश में जमा कर 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 दोनों लिफाफाएँ होगी तथा आवश्यकता पड़ने पर मूल अभिलेख प्रस्तुत करना होगा।

क्रमशः.....02

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, उपलब्ध तकनीकी अमले की जानकारी पिछले वित्तीय वर्ष का आयकर चुकता प्रमाण पत्र, पेन नम्बर, जी. एस.टी. पंजीयन एवं प्रशिक्षित यंत्री नियुक्त करने संबंधी प्रमाण पत्र, शपथ 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 क. 04 के लिफाफा (अ) में प्रस्तुत करना अनिवार्य होगा।
7. कार्य हेतु 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 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 कार्यों के लिये 5 प्रतिशत सुरक्षा राशि रनिंग देयको के साथ 01 वर्ष एवं 5 प्रतिशत पृथक से 03 वर्ष की गारंटी के लिये परफार्मेंस सिक्कुरिटी के रूप में रोकी जावेगी। मरम्मत कार्य हेतु मात्र सुरक्षा राशि की कटौती की 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 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 कंडिका क. 04 के प्रथम लिफाफा (अ) में प्रस्तुत करना अनिवार्य होगा।
19. ईट से संबंधित निर्माण कार्यों में पलाई ऐश ब्रिक्स 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 From-A के क्लाज नंबर-11 अनुसार एस्केलेशन देय नहीं होगा।
23. ठेकेदार को निर्माण कार्य के दौरान "निर्माण एवं अपशिष्ट प्रबंधन नियम 2016" में किये गये प्रावधानों का पालन करना अनिवार्य होगा।
24. ठेकेदार द्वारा संपादित किये गये कार्यों के देयकों का भुगतान बजट आबंटन और राशि उपलब्ध होने पर किया जावेगा।
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।

पृष्ठा.क्र./266,267,268,269,270,271 / निर्माण (टी.पी. नगर) / 2024 /
प्रतिलिपि :-

कोरबा, दिनांक 11.09.2024

1. प्रोग्रामर, संचालनालय, नगरीय प्रशासन एवं विकास विभाग, मंत्रालय अटल नगर नया रायपुर (छ.ग.) को uad.cg.gov.in में अपलोड किये जाने हेतु प्रेषित।

हस्ताक्षर —
फर्म का नाम —
पता —
मोबाईल नंबर —


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

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

Name of Work :- Construction of Toilet (Boys) at Govt. Primary and Middle School Charpara Kohadiya at Ward No.-16. (PART-A)

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

s.n.	ITEMS	NO.	L	B	D/H	QTY	UNIT	RATE	AMOUNT
1	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.								
		1	29	0.2	3	17.4			
		8	1	0.1	1.5	1.2			
	septic tank	5	3	0.2	2.1	6.3			
						24.9	cum	263	6548.70
2	16.37 Dismantling lime/ cement plaster or skirting at any height raking out joints and cleaning the surface for plaster including disposal of rubbish within 50 metres lead.								
		2	29		3	174			
		4x2	1		1.5	12			
		5x2	3		2.1	63			
	ceilling	1	10		3	30			
						279	sqm	11	3069.00
3	16.42 Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metre lead.								
		1	10	3	0.1	3			
		1	3	3	0.1	0.9			
						3.9	cum	768	2995.20
4	16.43 Demolishing cement concrete including disposal of material within 50 metre lead.16.43.1 1:4:8 or leaner mix	1	10	3	0.1	3	cum	329	987.00
5	16.44 Extra for cutting reinforcement bars in R.C.C. or R.B work. (Crosssectional area of RCC/RB work to be measured)	1	10		3	30	sqm	447	13410.00
6	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. 1.1.1 In all types of soils.								
		1	2.5	2	2.1	10.5			
		6	1.2	1.2	1	8.64			
						19.14	cum	185	3540.90

s.n.	ITEMS	NO.	L	B	D/H	QTY	UNIT	RATE	AMOUNT
7	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.								
		1	2.5	2	0.1	0.5			
		1	6.2	2.3	0.1	1.426			
		6	1.2	1.2	0.1	8.64			
						10.566	cum	371	3919.99
8	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. 3.1.2 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).								
		1	2.5	2	0.1	0.5			
		1	6.2	2.3	0.1	1.426			
		6	1.2	1.2	0.1	0.864			
						2.79	cum	2659	7418.61
9	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:7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand)								
		1	11	0.2	2.7	5.94			
		1	19.3	0.2	0.5	1.93			
		4	1.2	0.1	1.5	0.72			
						8.59	cum	3263	28029.17
10	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. 3.2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
		1	2.5	2	0.1	0.5			
	column FOUNDATION B P L	6	1.2	1.2	0.2	1.728			
		6	0.8	0.8	0.4	1.536			
		6	0.4	0.4	0.4	0.384			
	column A P L	6	0.2	0.2	3	0.72			
	Intel	1	19.3	0.2	0.1	0.386			
	slab bm	1	19.3	0.2	0.35	1.351			
	roof	1	6.4	2.5	0.1	1.6			
						8.205	cum	4163	34157.42

S.N.	ITEMS	NO.	L	B	D/H	QTY	UNIT	RATE	AMOUNT
11	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: 3.12.1 Thermo-Mechanically treated bars FE 415	1				820.5	kg	54.5	44717.25
12	3.13 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.	1	19.3			19.3	cum	4237	81774.10
	2.1 Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
13	2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								
		6X4	1.2		0.2	5.76			
		6X4	0.8		0.4	7.68			
		6X4	0.4		0.4	3.84			
						17.28	sqm	139	2401.92
14	2.1.5 Columns, Pillars, Piers and likes-rectangular or square in shape	6X4	0.2		3	14.4	sqm	297	4276.80
15	2.1.8 Beams, lintels, cantilevers & walls	1X2	19.3		0.1	46.32	sqm	202	9356.64
16	2.1.7 Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	1	6.6	3.15		20.79	sqm	235	4885.65
17	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:	1	19.3	0.2	3	11.58	cum	3384	39186.72
18	11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix: 11.3.3 In Cement Mortar 1:5 (1 cement : 5 fine sand)								
		1	11		2.7	29.7			
		1	19.3		3	57.9			
		1	6.6		3.15	20.79			
						108.39	sqm	113	12248.07
19	11.2 Providing and making 12mm thick cement plaster of mix:11.2.3 In Cement Mortar 1:5 (1 cement : 5 fine sand)	1	19.3		3	57.9	sqm	96.5	5587.35

S.n.	ITEMS	NO.	L	B	D/H	QTY	UNIT	RATE	AMOUNT
20	12.9 Providing and laying ceramic glazed floor tiles conforming to IS : 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete. 12.9.1 Size 300x300mm	1	6.2	2.3		14.26	sqm	692	9867.92
21	12.7 Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching pigment complete. 12.7.1 Size upto 200x300mm								
		1	19.3		1.5	28.95			
		4X2	1.2		1.5	14.4			
						43.35	sqm	587	25446.45
22	14.13 Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even.	1X2	19.3		1.5	57.9	sqm	94.5	5471.55
23	14.11 Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade. 14.11.1 On new work (two or more coats)	1				136.59	sqm	52.5	7170.98
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.	2	1		2.1	4.2			
	35KG/SQM					147	kg	75	11025.00
25	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.	5	0.8		0.3	1.2			
	25KG/SQM					30	kg	67.5	2025.00

s.n.	ITEMS	NO.	L	B	D/H	QTY	UNIT	RATE	AMOUNT
26	19.6 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. EXTERNAL WORK 19.6.4 32 mm nominal outer dia pipes	1	100			100	meter	228	22800.00
	19.14 Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required:								
27	19.14.1 Bib cock (400 grams)	5				5	each	382	1910.00
28	19.14.4 Piller Cock (400 grams)	4				4	each	398	1592.00
29	19.14.12 Bottle trap set with extension pipes	4				4	each	473	1892.00
30	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 :18.1.3 White Orissa pattern W.C. pan of size 580x440 mm	1				1	each	2899	2899.00
22	Providing and fixing white vitreous china urinal basin with waste fitting as per IS : 2556, and other couplings in C.P. brass complete: Flat back half stall urinal of size 460x380x250mm					4.00	each	1776.00	7104.00
32	18.17 Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required ; 18.17.1 White Size 550x450 mm	4				4	each	1430	5720.00
33	18.25 Providing and fixing flexible P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 18.25.1 32 mm dia	4				4	each	68.5	274.00
34	18.26 Providing and fixing PVC waste coupling in wash basin/ sink. 18.26.1 25 mm	4				4	each	49.5	198.00

s.n.	ITEMS	NO.	L	B	D/H	QTY	UNIT	RATE	AMOUNT
35	18.27 Providing and fixing cast iron grating for gully trap. 30.00 18.27.1 100x100mm square or round	6				6	each	30	180.00
36	18.29 Providing and fixing 600x450 mm beveled edge 4mm mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	3				3	each	599	1797.00
37	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. 18.76.1 75 mm dia pipe.	10				10	meter	182	1820.00
	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.								
38	18.77.1 Tee/ Tee with door/ Bend 45°/ Bend 90° 18.77.1.1 75 mm	1				1	each	113	113.00
39	18.77.3 Vent cover 18.77.3.1 75 mm	1				1	each	34	34.00
40	18.77.4 Access door cap 18.77.4.1 75 mm	1				1	each	49.5	49.50
								Total Rs.-	417899.88
								Electrification 3%	12536.49
								Gross Total Rs.-	430436.37
								Say Rs.-	430000.00

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

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

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

Name of Work :- Construction of Toilet (Girls) at Govt. Primary and Middle School Charpara Kohadiya at Ward No.-16. (PART-B)

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

s.n.	ITEMS	NO.	L	B	D/H	QTY	UNIT	RATE	AMOUNT
1	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.								
		1	29	0.2	3	17.4			
		8	1	0.1	1.5	1.2			
	septic tank	5	3	0.2	2.1	6.3			
				Total-		24.9	cum	263	6548.70
2	16.37 Dismantling lime/ cement plaster or skirting at any height raking out joints and cleaning the surface for plaster including disposal of rubbish within 50 metres lead.								
		2	29		3	174			
		4x2	1		1.5	12			
		5x2	3		2.1	63			
	ceilling	1	10		3	30			
				Total-		279	sqm	11	3069.00
3	16.42 Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metre lead.								
		1	10	3	0.1	3			
		1	3	3	0.1	0.9			
				Total-		3.9	cum	768	2995.20
4	16.43 Demolishing cement concrete including disposal of material within 50 metre lead.16.43.1 1:4:8 or leaner mix	1	10	3	0.1	3	cum	329	987.00
5	16.44 Extra for cutting reinforcement bars in R.C.C. or R.B work. (Crosssectional area of RCC/RB work to be measured)	1	10		3	30	sqm	447	13410.00
6	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. 1.1.1 In all types of soils.								
		1	2.5	2	2.1	10.5			
		6	1.2	1.2	1	8.64			
				Total-		19.14	cum	185	3540.90


S.N.	ITEMS	NO.	L	B	D/H	QTY	UNIT	RATE	AMOUNT
7	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.								
		1	2.5	2	0.1	0.5			
		1	6.2	2.3	0.1	1.426			
		6	1.2	1.2	0.1	8.64			
					Total-	10.566	cum	371	3919.99
8	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. 3.1.2 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).								
		1	2.5	2	0.1	0.5			
		1	6.2	2.3	0.1	1.426			
		6	1.2	1.2	0.1	0.864			
					Total-	2.79	cum	2659	7418.61
9	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:7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand)								
		1	11	0.2	2.7	5.94			
		1	19.3	0.2	0.5	1.93			
		4	1.2	0.1	1.5	0.72			
					Total-	8.59	cum	3263	28029.17
10	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. 3.2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
		1	2.5	2	0.1	0.5			
	column FOUNDATION B P L	6	1.2	1.2	0.2	1.728			
		6	0.8	0.8	0.4	1.536			
		6	0.4	0.4	0.4	0.384			
	column A P L	6	0.2	0.2	3	0.72			
	lintel	1	19.3	0.2	0.1	0.386			
	slab bm	1	19.3	0.2	0.35	1.351			
	roof	1	6.4	2.5	0.1	1.6			
					Total-	8.205	cum	4163	34157.42
11	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: 3.12.1 Thermo-Mechanically treated bars FE 415	1				820.5	kg	54.5	44717.25


s.n.	ITEMS	NO.	L	B	D/H	QTY	UNIT	RATE	AMOUNT
12	3.13 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.	1	19.3			19.3	cum	4237	81774.10
	2.1 Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
13	2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	6X4	1.2		0.2	5.76			
		6X4	0.8		0.4	7.68			
		6X4	0.4		0.4	3.84			
					Total-	17.28	sqm	139	2401.92
14	2.1.5 Columns, Pillars, Piers and likes- rectangular or square in shape	6X4	0.2		3	14.4	sqm	297	4276.80
15	2.1.8 Beams, lintels, cantilevers & walls	1X2	19.3		0.1	46.32	sqm	202	9356.64
16	2.1.7 Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	1	6.6	3.15		20.79	sqm	235	4885.65
17	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:	1	19.3	0.2	3	11.58	cum	3384	39186.72
18	11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix: 11.3.3 In Cement Mortar 1:5 (1 cement : 5 fine sand)								
		1	11		2.7	29.7			
		1	19.3		3	57.9			
		1	6.6		3.15	20.79			
					Total-	108.39	sqm	113	12248.07
19	11.2 Providing and making 12mm thick cement plaster of mix:11.2.3 In Cement Mortar 1:5 (1 cement : 5 fine sand)	1	19.3		3	57.9	sqm	96.5	5587.35
20	12.9 Providing and laying ceramic glazed floor tiles conforming to IS : 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete. 12.9.1 Size 300x300mm	1	6.2	2.3		14.26	sqm	692	9867.92

s.n.	ITEMS	NO.	L	B	D/H	QTY	UNIT	RATE	AMOUNT
21	12.7 Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching pigment complete. 12.7.1 Size upto 200x300mm								
		1	19.3		1.5	28.95			
		4X2	1.2		1.5	14.4			
					Total-	43.35	sqm	587	25446.45
22	14.13 Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even.	1X2	19.3		1.5	57.9	sqm	94.5	5471.55
23	14.11 Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade. 14.11.1 On new work (two or more coats)	1				136.59	sqm	52.5	7170.98
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.	2	1		2.1	4.2			
	35KG/SQM					147	kg	75	11025.00
25	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.	5	0.8		0.3	1.2			
	25KG/SQM					30	kg	67.5	2025.00
26	19.6 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. EXTERNAL WORK 19.6.4 32 mm nominal outer dia pipes	1	100			100	meter	228	22800.00

s.n.	ITEMS	NO.	L	B	D/H	QTY	UNIT	RATE	AMOUNT
	19.14 Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required:								
27	19.14.1 Bib cock (400 grams)	5				5	each	382	1910.00
28	19.14.4 Piller Cock (400 grams)	4				4	each	398	1592.00
29	19.14.12 Bottle trap set with extension pipes	4				4	each	473	1892.00
30	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 :18.1.3 White Orissa pattern W.C. pan of size 580x440 mm	1				1	each	2899	2899.00
31	18.15 Providing and fixing one piece construction white vitreous china squatting plate urinal with an integral rim longitudinal flushing pipe, standard size G.I. flush pipe for back and front flush, C.P. brass coupling complete including cutting and making good the walls and floors etc. wherever required :	4				4	each	2014	8056.00
32	18.17 Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required : 18.17.1 White Size 550x450 mm	4				4	each	1430	5720.00
33	18.25 Providing and fixing flexible P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 18.25.1 32 mm dia	4				4	each	68.5	274.00
34	18.26 Providing and fixing PVC waste coupling In wash basin/ sink. 18.26.1 25 mm	4				4	each	49.5	198.00
35	18.27 Providing and fixing cast iron grating for gully trap. 30.00 18.27.1 100x100mm square or round	6				6	each	30	180.00
36	18.29 Providing and fixing 600x450 mm beveled edge 4mm mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	3				3	each	599	1797.00

S.N.	ITEMS	NO.	L	B	D/H	QTY	UNIT	RATE	AMOUNT
37	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. 18.76.1 75 mm dia pipe.	10				10	meter	182	1820.00
	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.								
38	18.77.1 Tee/ Tee with door/ Bend 45°/ Bend 90° 18.77.1.1 75 mm	1				1	each	113	113.00
39	18.77.3 Vent covel 18.77.3.1 75 mm	1				1	each	34	34.00
40	18.77.4 Access door cap 18.77.4.1 75 mm	1				1	each	49.5	49.50
								Total Rs.-	418851.88
								Electrification 6%	25131.11
								Gross Total Rs.-	443982.99
								Say Rs.-	444000.00


 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 :- Construction of Kitchen Shed at Govt. Primary and Middle School
Charpara Kohadiya at Ward No.-16. (PART-C)

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

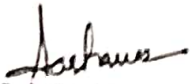
s.n.	ITEMS	NO.	L	B	D/H	QTY	UNIT	RATE	AMOUNT
1	1.1 Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. 1.1.1 In all types of soils.	6	1.2	1.2	1.2	10.368	cum	185.00	1918.08
2	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.	6	1.2	1.2	0.1	0.864	cum	371.00	320.54
3	3.1 Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 3.1.2 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).								
		6	1.2	1.2	0.1	0.864			
		1	6	4	0.1	2.4			
					Total-	3.264	cum	2659.00	8678.98
4	3.2 Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 3.2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
		6	1.2	1.2	0.2	1.728			
		6	1.2	0.8	0.4	2.304			
		6	0.6	0.6	0.55	1.188			
	PLINTH	1	24	0.2	0.2	0.96			
	COLOUMN	6	3.2	0.2	0.2	0.768			
	LINTEL	1	24	0.2	0.15	0.72			
	SLAB BEAM	3	4	0.2	0.35	0.84			
		2	6.3	0.2	0.35	0.882			
	ROOF	1	6.3	4	0.1	2.52			
					Total-	11.91	cum	4163.00	49581.33

s.n.	ITEMS	NO.	L	B	D/H	QTY	UNIT	RATE	AMOUNT
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:								
		6X4	1.2		0.2	5.76			
		6X4	0.8		0.4	7.68			
		6X4	0.6		0.55	7.92			
		2	24		0.25	12			
					Total-	33.36	sqm	139.00	4637.04
6	2.1.5 Columns, Pillars, Piers and likes-rectangular or square in shape	6X2	3.2		0.2	7.68			
		6X2	3.2		0.2	7.68			
					Total-	15.36	SQM	297.00	4561.92
7	2.1.8 Beams, lintels, cantilevers & walls								
	LINTEL	2	24		0.15	7.2			
	SLAB BEAM	6	4		0.45	10.8			
		2	24		0.45	21.6			
					Total-	39.6	SQM	202.00	7999.20
8	2.1.7 Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	1	6.3	4.3		27.09			
						27.09	sqm	235.00	6366.15
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: 3.12.1 Thermo-Mechanically treated bars FE 415	1				1191	KG	54.50	64909.50
10	7.5 Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand	1	22.8	3.2	0.2	14.592			
	KICHEN RECK	6	0.2	0.2	2.1	0.504			
	KITCHEN SLAB	11	0.75	0.2	1	1.65			
					Total-	16.746			
	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:					16.746	cum	3384.00	56668.46
11	11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:11.3.3 In Cement Mortar 1:5 (1 cement : 5 fine sand)								
		1	24	3.2		76.8			
		1	6	4		24			

s.n.	ITEMS	NO.	L	B	D/H	QTY	UNIT	RATE	AMOUNT
	KITCHEN RECK	6	2.1	0.6		7.56			
	KICHEN SLAB	11	1	1.7		18.7			
						127.06	sqm	113.00	14357.78
12	11.2 Providing and making 12mm thick cement plaster of mix: 11.2.3 In Cement Mortar 1:5 (1 cement : 5 fine sand)	1	24	3.2		76.8	sqm	96.50	7411.20
13	14.11 Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade. 14.11.1 On new work (two or more coats)								
	WALL	2	24	3.2		153.6			
	KITCHEN RECK	6	2.1	0.6		7.56			
	KICHEN SLAB	11	1	3.7		40.7			
	CEILLING	1	6	4		24			
					Total-	225.86	sqm	52.50	11857.65
14	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.								
	WALL	2	6	4		48			
	KITCHEN RECK	6	2.1	0.6		7.56			
	KICHEN SLAB	11	1	4.8		52.8			
	CEILLING	1	2.1	1.2		2.52			
					Total-	110.88	sqm	94.50	10478.16
15	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.								
	DOOR	2	2.1	1.2		5.04			
	WINDOW	6	1.2	1		7.2			
	VENTILATOR	4	1.2	0.3		1.44			
						13.68			
	approx 35kg/sqm				Total-	478.8	kg	75.00	35910.00
16	12.12 Providing and laying vitrified floor tiles with soluble salt printing, of size 600x600mm with water absorption less than 0.5% and conforming to IS : 15622 of approved make, 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.	1	6	4		24	SQM	963.00	23112.00

s.n.	ITEMS	NO.	L	B	D/H	QTY	UNIT	RATE	AMOUNT
17	12.7 Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching pigment complete. 12.7.1 Size upto 200x300mm	1	24		1.2	28.8	SQM	587.00	16905.60
18	12.49 25 mm thick KOTA stone slab flooring over 20mm (Average) thick base of cement mortar 1:4 laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including grinding rubbing and polishing etc. complete (Area of slab to be over 0.20 sqm and upto 0.50 sqm)								
	KITCHEN RECK	5	4	0.6		12			
	KICHEN SLAB	1	10	0.6		6			
						18	SQM	897.00	16146.00
19	18.21 Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink with drain board as per IS 13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required :								
	18.21.4 915x460 mm bowl size 410x355x17	1				1	each	7152.00	7152.00
20	19.14 Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required:								
	19.14.4 Piller Cock (400 grams)	1				1	each	398.00	398.00
	19.14.7 Angle valve for basin mixer and geyser points (450 grams)	1				1	each	382.00	382.00
21	19.6 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. EXTERNAL WORK 19.6.4 32 mm nominal outer dia pipes	40				40	metre	228.00	9120.00

S..	ITEMS	NO.	L	B	D/H	QTY	UNIT	RATE	AMOUNT
2	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.	1000				1000	litre	7.30	7300.00
Total Estimate Amount									366171.59
Electrification 6%									21970.30
Gross Total Rs.-									388141.89
Say Rs.-									388000.00


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