

कार्यालय, नगर पालिक निगम, कोरबा (छत्तीसगढ़)

सिस्टम टेंडर नं. 170123

कोरबा दिनांक 16.06.2025

ई-निविदा आमंत्रण सूचना

कार्यालय नगर पालिक निगम, कोरबा द्वारा लोक निर्माण विभाग एकीकृत पंजीयन प्रणाली अंतर्गत सक्षम श्रेणी में पंजीकृत ठेकेदारों से प्रमुख अभियंता लोक निर्माण विभाग, रायपुर द्वारा भवन कार्य हेतु दिनांक 01.01.2015 एवं विद्युत हेतु 01.06.2020 से प्रभावशील दर अनुसूची पर (निविदा खुलने के दिनांक तक समस्त संशोधनों के साथ शेड्यूल अनुसार प्रतिशत दर पर ई-प्रोक्युरमेंट (E-Tendering) के माध्यम से निविदा प्रपत्र Form-A में निविदा आमंत्रित की जाती है:-

1. फिजिकल सबमिशन लिफाफा प्राप्त होने की अंतिम तिथि - 11.07.2025 सायंकाल से 3.00 बजे तक
2. निविदा खुलने की अंतिम तिथि - 11.07.2025 सायंकाल 4.00 बजे से

क्र.	कार्य का नाम	प्राक्कलन राशि (लाख में)	धरोहर राशि (FDR/TDR)	कार्यावधि	निविदा प्रतिभागी शुल्क (डिमांड ड्राफ्ट)	ठेकेदार का वर्ग	निविदा खुलने की तिथि
1	वार्ड क 32 अंतर्गत सतनाम नगर में स्थित शा. प्रा.शाला भवन एवं अहाता का निर्माण कार्य (जि.ख.न्या. मद)	14.74	11100/-	03 माह	750/-	वर्ग डी एवं प्रवर श्रेणी	11.07.2025 से

शर्त:-

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. 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।
3. इच्छुक ठेकेदारों को उचित वर्ग में पंजीयन की प्रमाणित प्रतिलिपि यदि साझेदारी फर्म हो तो उसका प्रमाण पत्र (पार्टनरशीप डीडी) की सत्य प्रतिलिपि, उपलब्ध तकनीकी अमले की जानकारी, विगत 3 वर्षों का आयकर चुकता प्रमाण पत्र, पैन नम्बर, जी.एस.टी. पंजीयन प्रमाण पत्र एवं अमानत राशि के FDR/TDR की प्रति ऑनलाईन अपलोड करना अनिवार्य होगा, प्रशिक्षित यंत्री नियुक्त करने संबंधी प्रमाण पत्र, कर्मचारी भविष्य निधि रायपुर से पंजीकरण का कोड, निविदा प्रतिभागी शुल्क का डिमांड ड्राफ्ट एवं धरोहर राशि FDR/TDR, शपथपत्र का स्कैन कापी ऑन लाईन सिस्टम पर अपलोड करना अनिवार्य होगा।
 - अमानत राशि का वैध FDR/TDR, निविदा प्रतिभागी शुल्क का डिमांड ड्राफ्ट एवं निर्धारित प्रारूप में शपथ पत्र की मूल प्रति लिफाफा में कार्य का नाम एवं अन्य विवरण अंकित कर केवल स्पीड पोस्ट/रजिस्टर्ड डाक के माध्यम से आयुक्त, नगर पालिक निगम, कोरबा साकेत भवन, आई.टी.आई.चौक रामपुर कोसाबाड़ी पिन- 495677 कोरबा के पते पर भेजना होगा। निर्धारित तिथि को सायं 03:00 बजे के पश्चात् फिजिकल सबमिशन लिफाफा स्वीकार नहीं किया जायेगा।
 - निविदाकार को प्रत्येक निविदा में पंजीयन क्षमता के अंतर्गत वर्तमान में नगर निगम या अन्य विभागों में उनके द्वारा किये जा रहे कार्यों का विवरण राशि सहित मूलप्रति में निर्धारित प्रारूप में वैध शपथपत्र (राशि रु. 100/- नॉनज्यूडिशियल स्टाम्प) निविदा आमंत्रण दिनांक के पश्चात् का, निविदा क्रमांक एवं कार्य का नाम अंकित करना अनिवार्य होगा।
 - अमानत राशि का FDR/TDR एवं निविदा प्रतिभागी शुल्क का डिमांड ड्राफ्ट जो कि आयुक्त, नगर पालिक निगम, कोरबा के नाम पर देय हो प्रस्तुत करना अनिवार्य होगा।
4. सम्पूर्ण किये गये कार्यों के लिए प्रत्येक चल देयकों में से 5 प्रतिशत सुरक्षा राशि 01 वर्ष के लिए एवं मरम्मत एवं संधारण मद को छोड़कर शेष कार्यों में 5 प्रतिशत परफार्मेंस सिक्यूरिटी की गारंटी के रूप में से 03 वर्ष के लिए रोकी जावेगी। सुरक्षा राशि एवं परफार्मेंस गारंटी राशि वापसी हेतु समयावधि की गणना कार्य पूर्णता तिथि से किया जायेगा। उक्त समयावधि में निर्माण कार्य की भौतिक स्थिति सही होने तथा सक्षम प्राधिकारी के संतुष्टि के आधार पर भुगतान किया जायेगा।
5. जिन निविदाकारों द्वारा कर्मचारी भविष्य निधि संगठन एवं कर्मचारी राज्य बीमा निगम, रायपुर से पंजीयन कराकर कोड प्राप्त कर लिया हो वे निविदाकार ही निविदा हेतु पात्र होंगे।
6. 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।
7. ईट से संबंधित निर्माण कार्यों में प्लाई एंड ब्रिक का उपयोग किया जाना अनिवार्य होगा।
8. प्रयुक्त लोहा का बिल एवं टेस्ट रिपोर्ट तथा प्रयुक्त सीमेंट का बिल संलग्न करना अनिवार्य होगा।
9. निविदा दरों असामान्य कमी प्रतीत होने पर सफल निविदा दाता से अनुबंध के पूर्व एस.ओ.आर. एवं निविदा दर की अंतर की राशि के समतुल्य परफार्मेंस गारंटी के रूप में राष्ट्रीयकृत बैंक एफ.डी.आर., पोस्ट ऑफिस, टाईम डिपॉजिट अथवा एन.एस.सी. जो कि आयुक्त नगर पालिक निगम, कोरबा के नाम पर देय होगा जो मांग तिथि से 15 दिवस के भीतर जमा करना अनिवार्य होगा। उपरोक्त राशि समयावधि में जमा न करने की दशा में निविदा स्वमेव निरस्त मानी जावेगी।
10. निविदा अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नहीं किया जावेगा।
11. निविदा प्रपत्र फार्म -ए की कंडिका 11 Price Adjustment (एस्कलेशन) देय नहीं होगा।
12. निविदा के संबंध में किसी प्रकार की विवाद होने की स्थिति में आयुक्त का निर्णय अंतिम एवं सर्वमान्य होगा।
13. निविदा स्वीकृत करने अथवा अस्वीकृत करने अथवा निरस्त करने का अधिकार नगर पालिक निगम के पास सुरक्षित रहेगा।
14. उपरोक्त निविदा सूचना की विस्तृत प्रति नगर पालिक निगम, कोरबा के साकेत भवन स्थित निर्माण शाखा से प्राप्त किये जा सकते हैं।
15. ठेकेदार द्वारा संपादित किए गए कार्यों के देयकों का भुगतान कार्य विशेष हेतु बजट आबंटन एवं राशि उपलब्ध होने पर किया जाएगा।
16. निविदा में सफल निविदाकार को ऐसे कार्य जिसकी अनुबंध राशि 10.00 लाख या उससे अधिक है, उनको प्रत्येक कार्यों हेतु पृथक से छ.ग. भवन और सन्निर्माण कर्मचार मण्डल का पंजीयन प्रमाण पत्र प्रस्तुत करना अनिवार्य होगा अन्यथा देयक भुगतान किया जाना संभव नहीं होगा।
17. कार्य कियान्वयन से संबंधित गुणवत्ता परीक्षण संबंधी रिपोर्ट पर होने वाले व्यय का वहन संबंधित ठेकेदार द्वारा किया जावेगा।
18. ठेकेदार को निर्माण कार्य के दौरान "निर्माण एवं अपशिष्ट प्रबंधन नियम 2016" में किये गए प्रावधानों का पालन करना अनिवार्य होगा।

प्रतिलिपि-

प्रोग्रामर, संचालनालय, नगरीय प्रशासन एवं विकास विभाग, रायपुर को uad.cg.gov.in में अपलोड करने हेतु प्रेषित।

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

Date-Time Detail(s)

Seq. No.	Nagar Nigam Stage	Contractor Stage	Start		Expiry		Remarks
			Date	Time	Date	Time	
1	Release Tender		16.06.2025	15.30	16.06.2025	15.30	Release Tender
2		Bid Submission	16.06.2025	15.30	09.07.2025	17.30	
3		Physical Document Submmission	16.06.2025	15.30	11.07.2025	15.00	
4	Tender Open		11.07.2025	16.00	--	--	


**EXECUTIVE ENGINEER
KORBA (CG)**
For, Commissioner Korba (C.G.)

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

DETAILED ESTIMATE

Name of Work : CONSTRUCTION OF GOVT. PRIMARY SCHOOL BUILDING SATNAM NAGAR AT WARD NO-32
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.								
		C1	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			
						Total	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			
						Total	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.								

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	3,353.84
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	4,687.54
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.b.col.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	11,838.63
	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	15,147.00
	1.7 Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)								
		1	13.20	7.50		99.00			

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								
			47.73	100.00			4773.00			
						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			

Sl.	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			
						Total	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								
		-for ramp		60.00			60.00			
						Total	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)								
		-window grill	6	35.00			210.00			
						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)								
		-ceilling 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	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)								
		-inner plaster 6+4.5	2x2	10.50		3.30	138.60			
		-office 2.9+2.9	2	5.80		3.30	38.28			
		-ver. 9.1+1.8	2	10.90		3.30	71.94			
		-kitchen 2.9+2.9	2	5.80		3.30	38.28			
		Deduction--cg	1	2.60		2.10	-5.46			
		Deduction--d	5	1.10		2.10	-11.55			
		Deduction--w	6	1.50		1.20	-10.80			
		Deduction--jali	2	1.50		1.20	-3.60			
		Deduction--venti.	9	0.90		0.20	-1.62			
						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)								
		-outer plaster	2	15.70		4.00	125.60			
			2	8.00		4.00	64.00			
						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	N	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 litrs/10 sqm) complete.								
		-inner plaster quantity	1	254.07			254.07			
		-outer plaster quantity	1	189.60			189.60			
		-ceiling 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)								
		-inner plaster quantity	1	254.07			254.07			
		ceiling quantity	1	87.20			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								

Sl.	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			

S.	REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
29	1.35	Carriage by mechanical transport upto 5 km lead:				Total	11.88	sqm	682.00	8,102.16
	26.1	Earth								
							19.37			
						Total	19.37	cum	111.00	2,150.07

As per Estimate Amount Rs. 1106286.51
 Extra for Internal Electrification Add Above 9% 99565.79
 00.0 1,205,852.30
 Say Rs.


 Sub Engineer
 Nagar Palik Nigam,
 Korba


 Asst. Engineer
 Nagar Palik Nigam,
 Korba

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

DETAILED ESTIMATE

Name of Work : CONSTRUCTION OF TOILET IN SATNAM NAGAR SCHOOL
As per S.O. : 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.								
			6	1.20	1.20	1.20	10.36			
			2	6.00	0.40	0.40	1.92			
			3	2.50	0.40	0.40	1.20			
		-S.T	1	3.00	1.50	1.80	8.10			
						Total	21.58	cum	185.00	3992.30
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.								
							21.58			
						Total	21.58	cum	65.00	1402.70
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.								

SN	REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
			1	6.00	1.50	0.10	0.90			
						Total	0.90	cum	371.00	333.90
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.								
	1.2	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								
			6	1.20	1.20	0.10	0.86			
			2	6.00	0.40	0.10	0.48			
			3	2.50	0.40	0.10	0.30			
			1	3.00	1.50	0.10	0.45			
						Total	2.09	cum	2970.00	6207.30
5	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).								
		-F1	6	1.20	1.20	0.40	3.45			
		-F2	6	0.20	0.30	1.00	0.36			
		P.B.	2	6.00	0.20	0.30	0.72			
			3	2.50	0.20	0.30	0.45			
		COL.	6	0.20	0.30	2.50	0.90			
		-S.B	2	6.00	0.20	0.30	0.72			
			3	2.50	0.20	0.30	0.45			
		-SLAB	1	6.60	2.60	0.13	2.14			
		-S.T	1	3.00	2.00	0.13	0.78			
		-BUFFLE WALL	1	2.50	0.20	0.20	0.10			
						Total	10.07	cum	4163.00	41921.41
6	3.12	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc.								

SN	REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
		complete as per drawings including cost of binding wire in foundation and plinth all complete:								
	12.1	Thermo-Mechanically treated bars FE 415								
			10.07	70.00			704.90			
						Total	704.90	kg	54.50	38417.05
7	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.								
		-F2	6	1.00		1.00	6.00			
		-P.B.	2X1	19.50		0.30	11.70			
						Total	17.70	sqm	139.00	2460.30
	1.5	Columns, Pillars, Piers and likes- rectangular or square in shape	6	1.00		2.50	15.00	sqm	297.00	4455.00
	1.7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)								
			1	6.60	2.60		17.16			
		-S.T.	1	3.00	2.50		7.50			
						Total	24.66	sqm	235.00	5795.10
	1.8	Beams, lintels, cantilevers & walls								
		S.B.	2X1	19.50		0.30	11.70			
						Total	11.70	sqm	202.00	2363.40
8	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:								
	5.3	Cement Mortar 1:5 (1 cement : 5 coarse sand)								
		-below p.b	1	18.00	0.20	0.30	1.08			
			1	18.00	0.20	2.50	9.00			
		Deduction--D	2	1.00	0.20	2.10	-0.84			

SN	REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
		-S.T	2	3.00	0.20	1.80	2.16			
			2	1.50	0.20	1.80	1.08			
		R.W	1	1.60	0.20	1.50	0.48			
			2	2.40	0.10	2.10	1.00			
		Deduction--D	2	0.80	0.10	2.10	-0.33			
						Total	13.63	cum	3350.00	45660.50
9	11.1	Providing and making 6mm thick cement plaster of mix:								
	1.2	In Cement mortar 1:4 (1 cement : 4 fine sand)								
			1	6.60		3.00	19.80			
						Total	19.80	sqm	87.00	1722.60
10	11.2	Providing and making 12mm thick cement plaster of mix:								
	2.4	In Cement Mortar 1:6 (1 cement : 6 fine sand)								
		-OUTER WALL	2	6.00		3.00	36.00			
			2	2.50		3.00	15.00			
			1	2.50		2.50	6.25			
		-S.T.	1	9.00		1.80	16.20			
		Deduction--D	2	1.00		2.10	-4.20			
						Total	69.25	sqm	91.50	6336.37
11	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)								
			2	6.00		2.50	30.00			
			3	2.10		2.50	15.75			
			2X2	2.40		2.10	20.16			
		Deduction--D	2	0.80		2.10	-3.36			
						Total	62.55	sqm	107.00	6692.85
12	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.	4			50.00	200.00	kg	75.00	15000.00
13	12.7	Providing and fixing ceramic glazed wall tiles								

SN	REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
		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.								
	7.1	Size upto 200x300mm								
			2X2	2.60		1.50	15.60			
			4	2.10		1.50	12.60			
						Total	28.20	sqm	587.00	16553.40
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								
			1	6.00	2.10		12.60			
			2	1.00	1.00		2.00			
						Total	14.60	sqm	692.00	10103.20
15	14.9	Distempering with acrylic washable distemper to give an even shade.								
	9.1	On new work (Two or more coats)								
		-6mm plaster qty					19.80			
		-15mm plaster					69.25			
		Deduction--wall tiles qty					-28.20			
						Total	60.85	sqm	38.00	2312.30
16	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								

SN	REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
		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.								
	7.1	Size upto 200x300mm								
			2X2	2.60		1.50	15.60			
			4	2.10		1.50	12.60			
						Total	28.20	sqm	587.00	16553.40
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								
			1	6.00	2.10		12.60			
			2	1.00	1.00		2.00			
						Total	14.60	sqm	692.00	10103.20
15	14.9	Distempering with acrylic washable distemper to give an even shade.								
	9.1	On new work (Two or more coats)								
		-6mm plaster qty					19.80			
		-15mm plaster					69.25			
		Deduction--wall tiles qty					-28.20			
						Total	60.85	sqm	38.00	2312.30
16	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								

SN	REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
		smooth and even.					124.00			
						Total	124.00	sqm	94.50	11718.00
17	14.14	Finishing walls with water proofing cement paint of required shade to give an even shade.								
	14.1	On new work (Two or more coats applied @ 3.84 kg/10 sqm)								
			2	6.00		3.00	36.00			
			2	2.50		3.00	15.00			
						Total	51.00	sqm	41.00	2091.00
18	14.22	Painting on new work (two or more coats) to give an even shade with:								
	22.1	Satin synthetic enamel paint								
			4X2	1.00		2.10	16.80			
						Total	16.80	sqm	55.00	924.00
19	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 :								
	1.1	White Long pattern W.C. pan of size 580 mm					2.00	each	2459.00	4918.00
20	18.13	Providing and fixing white vitreous china urinal basin with waste fitting as per IS : 2556, and other couplings in C.P. brass complete:								
	13.1	Flat back half stall urinal of size 460x380x250mm					4.00	each	1776.00	7104.00
21	18.17	Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including								

SN	REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
		painting of brackets, cutting and making good the walls wherever required :								
	17.1	White Size 550x450 mm								
22	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.					2.00	each	1430.00	2860.00
	76.1	75 mm dia pipe.					3.00	metre	182.00	546.00
	76.2	110 mm dia pipe.					5.00	metre	267.00	1335.00
23	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.								
	77.1	Tee/ Tee with door/ Bend 45° / Bend 90°								
	77.2	110 mm					2.00	each	154.00	308.00
	77.2	Double \"Y\" with or without door								
	77.2	110 mm					2.00	each	224.00	448.00
	77.3	Vent cover								
	77.3	110 mm					1.00	each	44.00	44.00
	77.5	\"P\" trap 110mmx110mm long					4.00	each	227.00	908.00
24	19.13	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality:								
	13.1	Bib cock (250 grams)					6.00	each	185.00	1110.00
	13.3	Stop cock (350 grams)					8.00	each	237.00	1896.00
25	19.15	Providing and fixing					2.00	each	51.00	102.00

SN	REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
		stainless steel drain jali of approved make/quality.								
		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	ltr	7.30	3650.00
27	19.5	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 includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. CONCEALED WORK including cutting chases and making good the walls etc.,								
	5.2	20 mm nominal outer dia .Pipes.					30.00	metre	167.00	5010.00
	5.3	25 mm nominal outer dia .Pipes.					30.00	metre	213.00	6390.00
28	19.48	Constructing masonry Chamber 60x60x75 cm, inside with modular well burnt clay bricks of 35 kg/cm ² in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100mm. top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid					1.00	each	4644.00	4644.00

SN	REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
		and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : graded stone aggregate 20mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick finished with a floating coat of neat cement complete as per standard design :								
29	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:								
14.4		Piller Cock (400 grams)					2.00	each	398.00	796.00

As per Estimate Amount Rs.
Say Rs.

263531.68


Sub Engineer
Nagar Palik Nigam,
Korba


Asst. Engineer
Nagar Palik Nigam,
Korba