

कार्यालय, नगर पालिक निगम, कोरबा (छत्तीसगढ़)

फा.क. 618 / निर्माण / 2023

सिस्टम टेंडर नं. 151134

कोरबा दिनांक 08.01.2024

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, विद्युत हेतु 01.06.2020 एवं पीएचई एसओआर 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 फार्म A में निविदा आमंत्रित की जाती है :-

क.	कार्य का नाम	प्राक्कलन राशि (लाख में)	धरोहर राशि (FDR/TDR)	कार्यावधि	निविदा प्रतिभागी शुल्क (DD)	ठेकेदार का वर्ग	निविदा खुलने की तिथि
1	बरबसपुर डम्प साइट में इको पार्क का निर्माण कार्य।	25.00	19000/-	4 माह	750.00	वर्ग डी एवं प्रवर श्रेणी	31.01.2024 से

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
- 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।
- इच्छुक ठेकेदारों को उचित वर्ग में पंजीयन की प्रमाणित प्रतिलिपि यदि साझेदारी फर्म हो तो उसका प्रमाण पत्र (पार्टनरशीप डीड) की सत्य प्रतिलिपि, उपलब्ध तकनीकी अमले की जानकारी, विगत 3 वर्षों का आयकर चुकता प्रमाण पत्र/पेन 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 डिमाण्ड ड्राफ्ट एवं धरोहर राशि FDR/TDR, शपथपत्र का स्केन कापी ऑन लाईन सिस्टम पर अपलोड करना अनिवार्य होगा।
 - अमानत राशि का वैध FDR/TDR, निविदा प्रतिभागी शुल्क का DD एवं शपथ पत्र की मूल प्रति लिफाफा में कार्य का नाम एवं अन्य विवरण अंकित कर केवल स्पीड पोस्ट/रजिस्टर्ड डाक के माध्यम से निविदा खुलने की तिथि में दोपहर 3.00 बजे तक आयुक्त, नगर पालिक निगम, कोरबा साकेत भवन, आई.टी.आई.चौक रामपुर कोसाबाड़ी पिन- 495677 कोरबा को उपलब्ध कराना अनिवार्य होगा।
 - 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 वैध शपथपत्र (राशि रु. 100/- नॉनज्यूडिशियल स्टाम्प) निविदा आमंत्रण दिनांक के पश्चात का, निविदा क्रमांक एवं कार्य का नाम अंकित करना अनिवार्य होगा।
 - अमानत राशि का FDR/TDR एवं निविदा प्रतिभागी शुल्क का DD जो कि आयुक्त, नगर पालिक निगम, कोरबा के नाम पर देय हो प्रस्तुत करना अनिवार्य होगा।
- 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 सिक्क्यूरिटी की गारंटी के रूप में से 03 वर्ष के लिए रोकी जावेगी। उद्यान में सिविल निर्माण कार्यों के साथ साथ पौधों की सुरक्षा एवं रख रखाव का कार्य भी 3 वर्षों तक ठेकेदार को करना आवश्यक होगा।
- 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।
- 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।
- ईट से संबंधित निर्माण कार्यों में फ्लाइंग एश ब्रिक का उपयोग किया जाना अनिवार्य होगा।
- प्रयुक्त लोहा का बिल एवं टेस्ट रिपोर्ट तथा प्रयुक्त सीमेंट का बिल संलग्न करना अनिवार्य होगा।
- 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 समयवधि में जमा न करने की दशा में निविदा स्वमेव निरस्त मानी जावेगी।
- निविदा अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नहीं किया जावेगा।
- निविदा प्रपत्र फार्म -ए की कड़िका 11 अनुसार एस्कलेशन देय नहीं होगा।
- निविदा के संबंध में किसी प्रकार की विवाद होने की स्थिति में आयुक्त का निर्णय अंतिम एवं सर्वमान्य होगा।
- निविदा स्वीकृत करने अथवा अस्वीकृत करने अथवा निरस्त करने का अधिकार नगर पालिक निगम के पास सुरक्षित रहेगा।
- उपरोक्त निविदा सूचना की विस्तृत प्रति नगर पालिक निगम, कोरबा के साकेत भवन स्थित निर्माण शाखा से प्राप्त किये जा सकते हैं।


प्रतिलिपि-

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

कार्यपालन अभियंता
नगर पालिक निगम
कोरबा (छत्तीसगढ़)

Date-Time Detail(s)

Seq. No.	Nagar Nigam Stage	Contractor Stage	Start		Expiry		Remarks
			Date	Time	Date	Time	
1	Release Tender		08.01.2024	17.30	08.01.2024	17.30	Release Tender
2		Bid Submission	08.01.2024	17.30	30.01.2024	17.30	
3		Physical Document Submission	08.01.2024	17.30	31.01.2024	15.00	
4	Tender Open		31.01.2024	16.00	--	--	


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

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

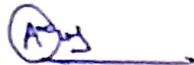
Name of Work **CONSTRUCTION OF ECO PARK AT BARBASPUR DUMPSITE (NCAP)**
As per SOR : SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD BUILDING-01.01.2015]

S.N	REF	ITEM DESCRIPTION	UNIT	QTY	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.	cum	167.67	185.00	31,018.95
2	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	11.93	2970.00	35,432.10
3	12.65	Providing & laying 60mm thick precast interlocking concrete blocks of approved size (approx 305 sqcm) and shape/ pattern, over 40 mm thick average complete coarse sand bed with joints of 3mm thick filled by fine sand including leveling with surface vibrator, temping and sweeping etc. complete of minimum compressive strength of 250 kg/sq.cm				
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.				
	1.5	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	cum	1.62	4073.00	6,598.26
5	9.43	Providing and fixing in position chain linked steel wire fabric made of 4 mm dia G.I. wire of required width in mesh to concrete/ wooden/ angle iron posts including securing and screwing with 2mm dia G.I. wire, G.I. staples, G.I.U-nails or steel pins etc., complete.				
	13.1	Aperture 50x50mm	sqm	408.00	331.00	135,048.00
6	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.				
	3.1	Electric resistance or induction butt welded tubes Grade-250	kg	540.00	88.50	47,790.00
7	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)	cum	41.69	3263.00	136,034.47
8	11.2	Providing and making 12mm thick cement plaster of mix:				
	2.3	In Cement Mortar 1:5 (1 cement : 5 fine sand)	sqm	414.48	96.50	39,997.32
9	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.	sqm	414.48	94.50	39,168.36
10	14.16	Painting exterior surface with PREMIUM ACRYLIC SMOOTH exterior				

S.N	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		Paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with:				
	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	414.48	74.50	30,878.76
11	22.4	Supplying and stacking at site well decayed cow dung manure from approved source, including loading, unloading and carriage upto 5 km (manure measured in stacks will be reduced by 8% for payment)	cum	596.00	236.00	140,656.00
12	22.8	Spreading of sludge, dump manure or/and good earth in required thickness (Cost of sludge, dump manure or/ and good earth to be paid separately).	cum	596.00	17.50	10,430.00
13	22.2	Supplying and stacking of good earth at site including royalty, loading, unloading and carriage upto 5 km (earth measured in stacks will be reduced by 20% for payment).	cum	596	201.00	119,796.00
14	22.20	Filling mixture of earth and sludge or manure in the desired proportion in trenches, flooding with water and leveling (cost of supplying earth and sludge or manure and mixing excluded).	cum	596.00	5.50	3,278.00
15	11.4	(PWD ROAD-01.01.2015-4)Planting of Trees and their Maintenance for one Year (Planting of trees by (Avenue trees) in 0.60 m dia. holes, 1 m. deep dug in the ground, mixing the soil with decayed farm yard/sludge manure, planting the saplings, backfilling the trench, watering and maintaining the plants for one year)	Each	900.00	750.00	675,000.00
16	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	129.24	371.00	47,948.04
17	22.19	Edging with modular well burnt clay bricks of crushing strength not less than 25kg/ sqcm laid dry length wise including excavation, refilling, consolidating with hand packing and spreading neatly surplus earth within a lead of 50 m :	metre	861.60	28.50	24,555.60
18	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	7.95	4163.00	33,095.85
19	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	kg	795.00	54.50	43,327.50
20	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.	sqm	9.72	139.00	1,351.08
	1.5	Columns, Pillars, Piers and likes- rectangular or square in shape	sqm	21.60	297.00	6,415.20
	1.8	Beams, lintels, cantilevers & walls	sqm	5.04	202.00	1,018.08
21	19.6	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain &				

S.N	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		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				
	6.4	32 mm nominal outer dia pipes	metre	558.51	228.00	127,340.28
22	19.16	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end):				
	16.1	25 mm nominal bore	each	20.00	436.00	8,720.00

As per Estimate Amount Rs. 1744897.85



Sub Engineer
Nagar Palik Nigam
Korba (C.G.)

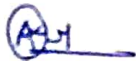
Assistant Engineer
Nagar Palik Nigam
Korba (C.G.)

"BOREWELL WITH PUMP"

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Carrying out the resistivity survey by VES method using Schlumberger configuration for locating the proper spot for drilling of tube well within the selected habitation, including photography, interpretation of resistivity data and submission of report in the desired format along with resistivity readings, necessary graph and photographs. (only successful points payable)								
	(BUILDING SOR ITEM NO. 21.17/201)	1				1	PT.	1502.00	1502.00
2	Boring/drilling bore well perfectly vertical for the specified depth suitable to receive required dia for casing/strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge upto 90 metre depth below ground level.								
	(a) All Types of soil								
	200 mm dia								
	(BUILDING SOR ITEM NO. 21.1.1.4/198)								
		1	30.00			30.00	RMT	371.00	11130.00
	(b) Rocky strata including Boulders								
	200 mm dia								
	(BUILDING SOR ITEM NO. 21.1.2.4/198)								
		1	50.00			50.00	RMT	457.00	22850.00

	Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 mild steel screwed and socketed/ plain ended casing pipes of required dia, conforming to IS: 4270, of reputed & approved make, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer-in-charge.								
	21.7.4 200 mm nominal dia								
	(BUILDING SOR ITEM NO. 21.7/199)								
		1	30.00			30.00	RMT	1477.00	31017.00
4	Providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for bore well of:								
	21.11.4 200mm dia								
	(BUILDING SOR ITEM NO. 21.11/200)								
		1				1	EACH	240.00	240.00
5	Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tube well as per IS: 2800 (part I), including necessary bolts & nuts of required size complete.								
	21.12.4 200mm clamp								
	(BUILDING SOR ITEM NO. 21.12/200)								
		1				1	EACH	1199.00	1199.00
6	Supplying & Installation of Energy efficient five star BEE rating ISI Marked required capacity of Three Phase, 50 Hz, 415V, deep well submersible pump Steel body, suitable for 6" tube well with Control Panel Starter suitable for Submersible (I) 3 HP with 6 stages, head MT. 55-7 discharge 60-510								
	3 Hp Pump								
	(PHE SOR ITEM NO.- 34.20.106/353/2020)	1				1	EACH	36173.00	36173.00
7	Providing and fixing Bail plug/ Bottom plug of required dia to the bottom of pipe assembly of tube well as per IS:2800 (part I).								
	21.13.4 200mm dia								

pole MC B, 25-63A, Fixed Thermal Release, 10KA					10	each	1483.00	14830.00
(For One Nos) Total Rs=								146322.75
Say rs.=								146000.00


 Sub Engineer
 Municipal Corporation
 Korba (C.G.)

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

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

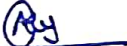
Abstract


Sub :- Street Light Arrangement Work for ECO Park at Barbaspur
Dumpsite (NCAP)

PWD (Elec. 01.06.2020)

S. No	Ref.	Item of Work	Unit	Rate	Qty	Amount
1	19.3	Supply of swaged steel tubular pole as per IS 2713 with base plate of size 300x300x6mm welded at bottom, necessary hole for cable entry and earthing stud welded at specified height including painting with one coat of red oxide zinc chromate primer.				
	19.3.11	Designation 410 SP-32 height 9.00 metre	Each	11825.00	10	118250.00
2	19.10	Erection of STEEL TUBULAR or "H" BEAM/ ISMB pole in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation and cement concrete collar of size 0.4 metre dia and 0.50 metre height from ground level including excavation and refilling etc. as per specification of length:				
	19.10.4	7 metre to 10 metre	Each	2610.00	10	26100.00
3	19.17	Supplying and fixing PVC water tight terminal box of approved make and brand with detachable gland plate in bottom, hinged front openable cover, rubber gasket, having 1 Nos 4way connector and 1 No SPMCB inside the box for cable connection, fixed to pole with 2 Nos clamp made from 25x3mm GI flat with 2 No GI nuts bolts complete as per specification.				
		300x200x125 mm for 3 phase	Each	989.00	10	9890.00
4	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).				
	15.1.23	4 x 16 sq. mm.	Metre	300.00	300	90000.00
5	14.5	Supplying and fixing G.I. pipe along with wall or pole/ support with 2 Nos MS clamps for protection of under ground cable in approved manner including bolts and nuts or metal dash fasteners complete as per specification				
		50 mm dia	Metre	403.00	10	4030.00
6	15.28	Supplying, fixing and cramping suitable size and all type aluminium ferule/ lugs to following size 1.1 KV grade power cable core / lead, pressed with high pressure cramping tool including connection to switch gear/ MCCB etc as Specification				
	15.28.4	25 sq. mm	Each	22.00	80	1760.00

		Item of Work	Unit	Rate	Qty	Amount
19.9		Supply and fixing following street light pole bracket on existing pole made out of 50 mm dia MS "B" class pipe welded to 300 mm long MS pole canopy of suitable dia at a angle of 102.50 including having MS triangular stiffner of size 150 X 50 X 5 mm thick, making arrangement for tightening the bracket with pole by providing suitable size heavy duty nuts and bolts in canopy, painting with one coat of approved steel primer etc. as per Specification				
	19.9.3	Single Over Hang 1.50 metre Long	Each	1233.00	10	12330.00
8	3.11	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, Multi Strand Wire in the existing surface/ concealed FRLS PVC, conduit/ PVC casing caping as Specification and IS :694 (2010)				
		2 x 1.5 sq. mm	mtr.	26.00	100	2600.00
9	6.28	Supplying, installation, testing and commissioning of following 230/250 volts LED street light fitting with all accessories like driver, heat sink made of die cast aluminium with IP 66 protection and 15 KV. surge protection on pole bracket, including connection, earthing, Separate housing for driver etc complete as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio 2 120 lumens /watt.				
		120 watt	Each	6844.00	10	68440.00
10	7.10	Providing and fixing metal clad, TP&N switch fuse unit (re-wirable), 415/500 volts, with porcelain re-wireble fuses including drilling holes on the board, connections, earthing the body etc. as per specification. (Thimbeling shall be paid separately).				
	7.10.3	100 amps	Each	3493.00	1	3493.00
11	12.1	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal and salt as per specification and IS Code 3043: 1987(R 2016)	Set	3243.00	1	3243.00
12	12.18	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ concealed conduit/ submain wiring/ cable as per specification.	Metre	19.00	10	190.00
13	31.11	Painting of following height steel tubular poles with two coat of aluminium paint of approved brand including cleaning the surface as per specification:				
		Above 8 metre and upto 10 metre	Each	281.00	10	2810.00
					Total Rs	343136.00


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


 Assitt. Engineer
 Municipal Corporation,
 Korba (C.G.)

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

ABSTRACT

Name of Work :TOILET CONSTRUCTION FOR BARBASPUR ECO PARK NCAP

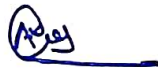
As per SOR : SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD BUILDING-01.01.2015]

S.N	REF	ITEM DESCRIPTION	UNIT	QTY	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.	cum	7.19	185.00	1,330.15
2	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	1.13	2970.00	3,356.10
3	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	3.7	4163.00	15,403.10
4	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	kg	407.00	54.50	22,181.50
5	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:				
	5.4	Cement Mortar 1:6 (1 cement : 6 coarse sand)	cum	2.51	3263.00	8,190.13
6	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.	kg	38.00	75.00	2,850.00
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.	sqm	7.2	139.00	1,000.80
	1.5	Columns, Pillars, Piers and likes- rectangular or square in shape	sqm	10.40	297.00	3,088.80
	1.7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	sqm	4.84	235.00	1,137.40
	1.8	Beams, lintels, cantilevers & walls	sqm	3.20	202.00	646.40
8	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	1.20	371.00	445.20
9	11.1	Providing and making 6mm thick cement plaster of mix:				
	1.2	In Cement mortar 1:4 (1 cement : 4 fine sand)	sqm	4.84	87.00	421.08
10	11.2	Providing and making 12mm thick cement plaster of mix:				

REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2.4	Cement Mortar 1:6 (1 cement : 6 fine sand)	sqm	20.8	91.50	1,903.20
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)	sqm	24.00	107.00	2,568.00
12	12.10 Providing and laying rectified ceramic glazed floor tiles of size 300x300mm and above conforming to IS : 15622 of approved 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.				
10.1	Size 300x300mm	sqm	4.00	858.00	3,432.00
13	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.	sqm	50.44	94.50	4,766.58
14	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:				
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	50.44	74.50	3,757.78
15	14.22 Painting on new work (two or more coats) to give an even shade with:				
22.1	Satin synthetic enamel paint	sqm	5.04	55.00	277.20
16	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	each	1.00	2459.00	2,459.00
17	18.18 Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings :				
18.1	White Size 550x450 mm	each	1.00	936.00	936.00
18	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°				
1.2	110 mm	each	1.00	154.00	154.00
19	18.78 Providing and fixing UV stabilized Unplasticised -PVC pipe clips of approved design to Rigid PVC pipes by means of 50x50x50mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.				
78.2	110 mm	each	1.00	61.00	61.00
20	18.76 Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc complete.				
76.2	110 mm dia pipe.	metre	30.00	267.00	8,010.00

REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
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.,				
5.1	15 mm nominal outer dia .Pipes.	metre	15.00	133.00	1,995.00
5.3	25 mm nominal outer dia .Pipes.	metre	10.00	213.00	2,130.00
22 19.51	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 fire hydrants, with C.I. surface box 350x350 mm top and 165 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm 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 :	each	1.00	4356.00	4,356.00
23 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	LTR	500.00	7.30	3,650.00

As per Estimate Amount Rs. 100506.42



Sub Engineer
Nagar Palik Nigam
Korba (C.G.)

Assistant Engineer
Nagar Palik Nigam
Korba (C.G.)

CONSTRUCTION OF GUARD ROOM

S. No.	S.O.R. ITEM NO.	Item	Nos	L.	B.	H/D	Quantity	Unit	Rates	Amount
1	1.2	Surface dressing of the ground including removing vegetation and making up undulations and inequalities not exceeding 15 cms in depth/ height including disposal of rubbish upto 1.5 m lift and lead upto 50m (at least 5m away from the dressed area).								
		Plot area	1	4	4	-	16			
						Total	16	sqm.	7.2	115.00
2	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. In all Type of Soil.								
		For Main Column A								
		F1	4	1.2	1.2	1.2	6.912			
						Total	6.912	cum.	185	1279.00
3	1.6	Extra for every additional lift of 1.5 m or part there of All types of soil								
		For Main Column A								
		F1	4	1.2	1.2	0.3	1.728			
						Total	1.728	cum.	26.5	46.00
4	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.								
		For Main Column A								
		F1	4	1.50	1.20	0.1	0.72			
		Building	1	3.00	3.00	0.5	4.5			
						Total Qty.	5.22	cum.	371	1936.62
5	3.1.3	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:3:6 (1 cement :3 coarse sand :6 graded stone aggregate 40 mm nominal size).								
		For Main Column A								
		F1	4	1.1	1.1	0.10	0.484			
		floor area	4	3.0	3.0	0.10	3.6			
						Total	4.084	cum.	2970	12129.00

6	3.2.1	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. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).							
		Footing F1/C1	4	1.00	1.00	0.35	1.4		
		for column up to plinth lvl.							
		For Main Column A	4	0.20	0.30	0.95	0.228		
		ground beam ,plinth beam							
		size:GB2 (200*300)							
			4	3.0	0.20	0.3	0.72		
						TOATAL	2.348	cum.	4163
									9775.00
		Column A	4	0.20	0.30	3.00	0.72		
		intel beam							
		Size -200*200	1	3.00	0.20	0.20	0.6		
		chhaja							
		W1+D1	1	3.00	0.60	0.10	0.18		
		v1	1	0.90	0.60	0.10	0.054		
		SLAB BEAM							
		size:200*400					0.72		
		SLAB DETAILS	4	3.00	0.20	0.40			
		BUILDING AREA	1	3.00	3.00	0.12	1.08		
		platform	1	3.00	0.45	0.10	0.135		
						Total	3.489		
		Dedection Slab beam	4	3.0	0.2	0.12	0.288		
							0.288		
						Total	3.201	CUM	4163
									13325.76
7	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:							
		same quanty					3.201	CUM	97.5
									312.10
8	3.12.1	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: hermo-Mechanically Treated (TMT) Bars					3.201		
		100 Kg / cum. of R.c.c. work					320.1	KG.	54.5
									17445.00
9	2.1	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels,							

2.1.1	Foundations, footings, base of columns, plinth beam, Curtain Wall in any shape and size and all type of wall below plinth level								
	For Main Column A for column up to plinth lvl.	4	4.00	-	0.35	5.6			
	For Main Column A Ground beam , Plinth beam size:GB2 (200*300)	4	1.00	-	1.35	5.4			
		4	3.00	-	0.70	8.4			
		4	3.00	-	0.60	7.2			
					Total	26.6	sqm.	139	3697.00
10	2.1.5	columns, Pillars, piers and likes-rectangulay or square in shape in size. for column up to slab lvl.+Prapet lvl							
		For Main Column A	4	0.80	-	3	9.6		
					Total	9.6	sqm.	297	2851.00
11	2.1.13	Weather shade chhajja ,cornices and mouldings.							
		chhajja	-	-	-	-	-		
		W1	1	3.00	0.70	-	2.1		
		v1	1	0.90	0.70	-	0.63		
		SIDE	4	3.90	0.10	-	1.56		
					Total	4.29	sqm.	294	1261.00
12	2.1.8	Beams ,Lintels, Cantilevers & walls							
		lintel beam	1	3.00	-	0.60	1.8		
		Slab Beam size:200*400	4	3.00	-	1.00	12		
					Total	13.8	Sqm.	202	2788.00
13	2.1.7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)							
		Building Area	1	3.00	3.00	-	9		
					Total	9	sqm.	235	2115.00
14	7.5.4	Brick work with modular FLY ASH lime bricks (Falg brick) confirming to ISI 12894:2002 of class designation 40 in foundation and plinth in:Cement Mortar 1:6 (1 cement : 6 coarse sand)							
		UP TO GD BEAM	1	3.00	0.20	0.45	0.27		
					Total	0.27	cum.	3263	881.00

15	7.5.4	Brick work with modular FLY ASH lime bricks (flag brick) confirming to ISI 12894:2002 of class designation 40 in foundation and plinth in: Cement Mortar 1:6 (1 Cement : 6 Coarse Sand)+ Extra for brick work in superstructure above plinth level for every floor or part thereof in additional to rate for foundation and plinth:							
		UP TO SLAB BEAM	4	3.00	0.20	2.60	6.24		
		PERPIT WALL	4	3.00	0.20	0.30	0.72		
						Total	6.96		
		Deduction							
		D1	1	1.00	0.20	2.40	0.48		
		W1	1	1.50	0.20	1.50	0.45		
		V1	1	0.90	0.20	0.60	0.108		
						(-)	1.038		
						Total	5.922	cum.	3263 19323.00
	7.5.4	Brick work with modular FLY ASH lime bricks (Falg brick) confirming to ISI 12894:2002 of class designation 40 in foundation and plinth in: Cement Mortar 1:6 (1 Cement : 6 Coarse Sand) brick work					5.922		
							5.922	CUM	121 716.56
16	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 formwork.							
		Outer	4	3.00	0.20	0.075	0.18		
						Total	0.18	cum.	4237 763.00
17	11.1.2	Providing and making 6mm thick cement plaster of mix : In Cement mortar 1:4 (1 cement : 4 fine sand)							
		Building CELLING	1	2.60	2.60	-	6.76		
		chhajja				-			
		W	1	3.00	0.70	-	2.1		
		v1	1	0.90	0.70	-	0.63		
		SIDE	4	0.60	0.10	-	0.24		
						Total	9.73	sqm	87 847.00
18	11.2.3	Providing and making 12mm thick cement plaster of mix: in cement mortar 1:5(1 cement : 5 fine sand)							
		INER WALL	4	2.60	-	2.88	29.952		
							29.952	sqm.	
		Deduction							
		D1	1	1.00	-	2.40	2.4		
		W1	1	1.50	-	1.50	2.25		

		V	1	0.90	-	0.60	0.54			
						(-)	5.19	sqm.		
						Total	24.762	sqm.	96.5	2390.00
19	11.3.4	Providing and making 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 Wall Front	4	3.00	-	3.70	44.4			
		Window grooving	1	1.50	-	0.20	0.3			
							44.7			
		Deduction(-)								
		D1	1	1.00	-	2.40	2.4			
		W1	1	1.50	-	1.50	2.25			
		V	1	0.90		0.60	0.54			
							5.19			
						Total	39.51	sqm.	113	4465.00
20	14.13	Providing and applying 2mm thick ready mix exterior grade putty (Birla wall care, Alltek Superfine W/R of (NCL), J.K. wall putty) on walls to make the surface smooth and even.								
		Same as item total plaster								
							74.002	sqm	94.5	6993.00
21	14.11.1	Wall painting with acrylic luxury emulsion (plastic) paint of Required Shade to give an even shade. On new work(two or more coats)								
		Same as item Ceiling & inner								
							34.492	sqm.	52.5	1811.00
22	14.15.1	Painting exterior surface with ACRYLIC SMOOTH exterior paints of required shades as per manufacture specification to give protective and decorative finish including cleaning washing of surface etc. complete with								
		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)								
		Same as item outer plaster								
							39.51	sqm.	56	2213.00
23	3.15	Applying a coat of hot bitumen VG-10 using @ 1.7kg/ sqm on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.								
		Outer	4.00	3.00	0.20	-	2.4			
						Total	2.4	sqm.	93.5	224.00

25	3.16	Making 50mm thick plinth protection of plain cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded crushed stone aggregate 20mm nominal size) over 75mm bed of dry brick ballast 40mm nominal size well rammed and consolidated and grouted with sand including finishing the top smooth.							
		Outer	4	3	-	1.5	12		
						Total	12	sqm	273 3276.00
25	8.1.1	Providing wood work in frames of doors, Windows, clerestory windows and other frames wrought framed and fixed in position.							
		Teak Wood							
		D1	1.00	5.80	0.08	0.15	0.06525		
						Total	0.06525	cum.	114758 7488.00
26	8.6.1	Providing and fixing 40mm thick paneled or glazed or paneled and glazed shutter frames for doors excluding hinges and paneling. (Area of shutter to be measured without deducting paneling area) Teak wood							
		D1	1	1.00	2.40		2.4	sqm.	2906 6974.00
27	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 of red oxide zinc chromate primer.							
		W	1	1.50	-	1.50	2.25		
		V	1	0.90	-	0.60	0.54		
							2.79	sqm.	
						20 kg /sqm	55.8	KG.	67.5 3767.00
28	8.62.2	Providing and fixing bright finished brass tower bolts (barrel type) with brass polished MS screws complete: 200x10 mm							
		D1	1	2.00	-	-	2.00		
						Total	2.00	each	231 462.00
29	8.65.1	Providing and fixing bright finished brass door handles with brass polished MS screws complete: 125 mm							
		D1	1	4.00	-	-	4.00		
						Total	4.00	each	55.5 222.00

8.80.2		Providing and fixing Anitque/S.S. finished brass door latch with necessary Antique/S.S. POLished MS screws complete: 300 x16x5 mm							
		D1	1	1.00	-	-	1.00		
						Total	1.00	each	280 280.00
31	8.73	Providing and fixing 150mm Antique/S.S. finished brass floor door stoppers with rubber cushion and antique/ S.S. Polished MS screws to suit thickness of shutters thickness.							
		D1	1	2.00	-	-	2.00		
						Total	2.00	each	77.50 155.00
32	9.37	Providing and fixing M.S. fan clamp/ hook for ceiling fan made out of 16 mm dia M.S. bar bent to shape with hooked ends in R.C.C. slabs, beams during laying including painting the exposed portion of loop.							
		Building	1	1.00	-	-	1.00		
						Total	1.00	each	97.00 97.00
34	9.47	Providing and fixing aluminium work for doors, windows, ventilators and partitions made out of extruded aluminium standard sections (main section with minimum 1.5mm thickness) conforming to IS: 733, IS: 1285 mitred and jointed mechanically including aluminium cleats, neoprene weather stripping gasket beveled edge beading, screws duly fixed in wall/ floor with fixing clips or hold fasteners or bolts and nuts as required aluminium sections shall be anodized transparent or dyed to approved shade according to IS: 1868, minimum anodic coating shall be of grade AC-15. (Glazing and panelling to be paid for separately							
	9.47.1	For Fixed Portion							
		W	1	6.00	-	-	6.00		
		V1	1	3.00	-	-	3.00		
					2.10 kg X		9.00	meter	
							18.90	kg	331 6256.00
35	9.49	Extra for Polyester powder coated (minimum 50 micron) aluminium sections instead of anodized.							
		same as item of alumunium fixed and shutter.					18.9	kg	34.5 652.00

