

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

फा.क. / 8757 / निर्माण / 2021

सिस्टम टेन्डर नं. 89602

कोरबा, दिनांक 28.12.2021

ई-निविदा आमंत्रण सूचना

लोक निर्माण विभाग से एकीकृत पंजीयन प्रणाली अंतर्गत सक्षम श्रेणी में पंजीकृत ठेकेदारों से निम्नलिखित कार्यों हेतु प्रमुख अभियन्ता लोक निर्माण विभाग, रायपुर द्वारा (सड़क) दिनांक 01.01.2015 से प्रभावशील दर पर (निविदा खुलने के दिनांक तक समस्त संशोधनों के साथ) कम अधिक या समान दरों पर तथा शेड्यूल अनुसार आयटम दरों पर निम्नलिखित निर्माण कार्य हेतु ऑनलाईन ई-निविदा आमंत्रित की जाती है :-

क्र.	कार्य का नाम	प्राक्कलन राशि लाख में	धरोहर राशि रु में	कार्यावधि	ठेकेदार का वर्ग	निविदा खुलने की तिथि
1	बिहान बाजार निर्माण वार्ड क 25 नेहरू नगर शबरी एम्पोरियम के बाजू में कोरबा	28.46	21500.00	05 माह	वर्ग डी एवं प्रवर श्रेणी	20.01.2022 से

शर्त:-


- निविदा दरे प्रचलित सी.एस.आर.से कम या अधिक प्रतिशत दरों पर दिया जावे सी.एस.आर.के अंतर्गत के आयटमों पर पृथक से आयटम दरों का उल्लेख करने पर निविदा निरस्त मानी जावेगी।
- 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, आयकर प्रमाण पत्र/पैन नम्बर, जी.एस.टी. पंजीयन प्रमाण पत्र एवं अमानत राशि ऑनलाईन जमा करना अनिवार्य होगा, प्रशिक्षित यंत्री नियुक्त करने संबंधी प्रमाण पत्र, कर्मचारी भविष्य निधि रायपुर से पंजीकरण का कोड एवं धरोहर राशि का स्कैन कापी ऑन लाईन सिस्टम पर अपलोड 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 सिक्यूरिटी की गारंटी के रूप में से 03 वर्ष के लिए रोकी जावेगी।
- जिन निविदाकारों द्वारा कर्मचारी भविष्य निधि संगठन एवं कर्मचारी राज्य बीमा निगम, रायपुर से पंजीयन करारकोड प्राप्त कर लिया हो वे निविदाकार ही निविदा हेतु पात्र होंगे।
- 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 स्केन कर अपलोड करना अनिवार्य होगा।
- 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 प्लाई 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 समयावधि में जमा न करने की दशा में निविदा स्वमेव निरस्त मानी जावेगी।
- निविदा अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नहीं किया जावेगा।
- 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।

कार्यपालन अभियन्ता
नगर पालिक निगम
कोरबा (छत्तीसगढ़)

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

Date-Time Detail(s)

Seq. No.	Nagar Nigam Stage	Contractor Stage	Start		Expiry		Remarks
			Date	Time	Date	Time	
1	Release Tender		28.12.21	17.30	28.12.21	17.30	Release Tender
2		Bid Submission	28.12.21	17.30	19.01.22	17.30	
3	Tender Open		20.01.22	10.30	--	--	


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



TENDER/NIT HEADER DETAIL

ORGANIZATION NAME	Urban Administration and Development Department (UADD)	PROCUREMENT CATEGORY	WORKS
TENDER NO.	89602	TENDER DEALING OFFICER	- MANORANJAN SARKAR (SE)
NUMBER OF ITEMS ALREADY	1	MATCHING	NO
ATTACHED			
CURRENCY	INR - INDIAN RUPEES	TENDER CATEGORY	PERCENTAGE
NIT TYPE	RESTRICTED TENDER		
VENDOR CLASS	A, B, C, D	OFFICE/DIVISION (FWD)	COMMISSINOR, MUNICIPAL
PROBABLE AMOUNT OF	2845509.00	NAME	CORPORATION, KORBA
CONTRACT (PAC) [INR]		SECTION/CIRCLS (FWD)	TENDER SECTION
DIVISION / DISTRICT	MUNICIPAL CORPORATION, KORBA	NAME	
DESCRIPTION	F.N/8757/Const./ Kosabadi Zone/ 2021/kMC		
DETAILED DESCRIPTION	PROPOSED BIHAN BAZAR BUILDING AT NAGAR PALIK NIGAM KORBA (C.G.)		
IS AUCTION ENABLED?	N		
NUMBER OF BID PART(S)	2	BID PART NUMBER	1

ATTRIBUTE(S)

ATTRIBUTE NAME	ATTRIBUTE VALUE
BID VALIDITY PERIOD (in days)	120
Tender / Work Completion Time (in months)	05 (VALUE)
Required Past Technical Experience	As per tender document /Nit
Required Financial Turnover (in INR)	AS PER NIT
Required Bid Capacity (in INR)	AS PER NIT

PAYMENT DETAILS

DETAILS	
Tender/Processing/Bid	N/A
Fees	
BMD/Bid Security	21500.00 INR

DATE-TIME DETAIL(S)

BID SUBMISSION START	Dec 28, 2021 10:30:00:AM	BID DUE DATE	Jan 19, 2022 05:30:40:PM
DATE			
BID OPEN DATE	Jan 20, 2022 10:30:06:AM		
(SCHEDULED)			

PRE-BID DISCUSSION DETAILS

PRE-BID DISCUSSION NOT REQUIRED

ALTERNATE BID DECRYPTOR(S)

USER DETAILS
MR BUYER ADMIN (DFLT)
- MANORANJAN SARKAR (DFLT)
- Mitresh Verma (DFLT)
- Ramkumar Maheshwari (DFLT)
- ARUN KUMAR SHARMA (DFLT)
- Bhushan Ram Oraon (DFLT)

TERM AND CONDITION DETAIL(S) - SPECIAL TERM(S)

SL. NO.	CATEGORY	DESCRIPTION
1	SPECIAL TERM(S)	SPECIAL TERM(S) As per tender document /Nit

TENDER SPECIFIC REQUIRED ATTACHMENT(S)

Envelop B

SL. NO.	SUPPORTING DOCUMENT NAME	MANDATORY	ALLOW EXEMPTION	GROUP
1	PARTNERSHIPDEED/MOA OF COMPANY (IF REQUIRED)	YES	NO	OTHER
2	DECLARATION FOR NOT BEING BLACK LISTED	YES	NO	OTHER
3	LIST OF TECHNICAL STAFF DETAIL	YES	NO	OTHER
4	GST CERTIFICATE FROM CHHATTISGARH	YES	NO	OTHER
5	DECLARATION FOR NOT ABOVE TOTAL WORK OF REGISTRATION CAPACITY	YES	NO	OTHER
7	REGISTRATION CERTIFICATE (ANY GOVT DEPT IN CHHATTISGARH)	YES	NO	OTHER
8	INCOME TAX CLEARANCE CERTIFICATE	YES	NO	OTHER
9	ANY OTHER REQUIRED DOCUMENT IN NIT	YES	NO	OTHER

BOQ

DETAILED ESTIMATE FOR PROPOSED BIHAN BAZAR BUILDING AT NAGAR PALIK NIGAM KORBA (C.G.)		
GENERAL ABSTRACT		
S.NO	SUB HEAD	AMOUNT (In Rs.)
A	BUILDING WORKS	AS PER DETAIL ATTACHED
1	GROUND FLOOR	
	Internal Water Supply and Sanitary Fittings-	
	Adding Extra 12% For Internal Electrification-	
	TOTAL Rs. (A)-	
		24,89,424.22
B	INFRASTRUCTURE WORKS	AS PER DETAIL ATTACHED
1	Paving area(Plinth protection)	
2	Rain water Harvesting 1x1 m(1 Nos)	
3	Septic Tank	
4	LED Sign board at top of Building	
	TOTAL Rs. (B)-	3,56,084.28
	TOTAL Rs. (A+B)-	28,45,508.50
	GRAND TOTAL Rs.-	28,45,500.00

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

DETAILED ESTIMATE FOR PROPOSED BIHAN BAZAR BUILDING AT NAGAR PALIK NIGAM KORBA (C.G.)

BUILDING WORK

S.No.	PARTICULAR	QTY.	UNIT
1	Surface dressing of the ground including removing vegetation and making up undulations and in-equalities not exceeding 15 cms in depth/height including disposal of rubbish upto 1.5 m lift and lead upto 50 m (at least 5m away from the dressed area).		
		165.00	SQ.M
2	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.		
	In all types of soil	138.80	CUM
3	Extra for every additional lift of 1.5M or part there of		
	All types of soil	34.70	CUM
4	Carriage by mechanical transport upto 5 km lead		
	Earth	40.68	CUM
5	Extra rate for quantity of work executed in or under water and/ or liquid mud including pumping out water.		
		55.52	CUM
6	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete.		
		148.35	CUM
7	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work.		
	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).		
		21.00	CUM
8	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).		
		73.60	CUM
9	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:		
		41.65	CUM
10	3.10 Extra for laying PCC/ RCC, in or under water or liquid mud including cost of pumping or bailing out of water and removing slush etc. complete:		
		20.22	CUM
11	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete:		
	Thermo-Mechanically treated bars FE 416	7720.88	KG
12	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:		
	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.		
		138.27	SQ.M

S.No.	PARTICULAR	QTY.	UNIT
	Beams, lintels, Cantilevers & Walls.		
		152.86	SQ.M
	Columns, Pillars, Piers and likes- rectangular or square in shape		
		84.70	SQ.M
	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)		
		260.22	SQ.M
	Window sills, anchor blocks, string course, bends, copings, bed plates and like.		
		2.70	SQ.M
13	Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to IS:12894-2002 of class designation 40 in foundation and plinth in		
	Cement Mortar 1:6 (1 cement : 6 coarse sand)	10.91	CUM
	Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to IS:12894-2002 of class designation 40 in foundation and plinth in		
	Extra for brick work in superstructure Above plinth level for every floor or part thereof in addition to rate for foundation and plinth:		
		14.63	CUM
14	Half brick thick brick masonry with fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in superstructure above plinth level upto plinth level:		
	Cement Mortar 1:4 (1 cement : 4 coarse sand)		
		46.26	SQ.M
	Extra for half brick work in superstructure above plinth level for every storey or part thereof in addition to rate for upto plinth:		
		46.26	SQ.M
15	Extra for providing and placing in position hopping 25x1.60 mm or 2 Nos 6mm dia MS bars reinforcement at every third course of half brick masonry.		
		46.26	SQM
16	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.		
		0.73	CUM
	Applying a coat of hot bitumen VG-10 using @ 1.7kg/ SQ.M on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.		
		40.95	SQ.M
17	Providing and making 6 mm thick cement plaster of mix In Cement mortar 1:4 (1 cement : 4 fine sand)		
		197.69	SQ.M
18	Providing and making 12mm.thick cement plaster of mix : In Cement Mortar 1:6 (1 Cement : 6 fine Sand)		
		187.32	SQ.M
19	Providing and making 15mm.thick cement plaster on the rough side of single or half brickwall of mix. In Cement Mortar 1:6 (1 cement : 6 fine sand)		
		274.17	SQ.M
20	Providing and fixing chicken mesh weighting not less than 250 gms/ sqm as per IS : specification in the required width with 10mm long steel nails on vertical and horizontal surface near R.C.C. and brick walls junctions including scaffolding and all lead and lifts etc. complete before plastering upto 10mts in height.		
		46.15	SQ.M

S.No.	PARTICULAR	QTY.	UNIT
21	Providing and fixing in position doors, windows and ventilators frames made of cold rolled pressed steel sheet framed profiles made from commercial M.S. Sheets conforming to I.S. 513 of 1973 and as per general specifications of I.S 4351 including hinges jamb, lock jamb, steel butt hinges, base tie, joints mitred and welded with 10cm long legs of size 15x3mm M.S. flat, embedded in cement concrete blocks 15x10x10cm size of grade M-10 or rawl plugs and screws or with fixing clips or with bolts and nuts including neatly compacted filling M-10 cement concrete in profile section applying a priming coat of red oxide zinc chromate primer.		
	Single rebate/ mullion 100mmx50mm size, 1.25mm thick sheet.		
		25.50	METER
22	Providing and fixing flush door shutters , conforming to IS : 2202 (Part-I), decorative type core of block board construction with frame of first class hard wood and well matched teak ply veneering with vertical grains or cross bands and face veneers on both faces of shutters excluding hinges.8.12.2 35 mm. thick (single leaf)		
		9.45	SQ.M
23	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)9.47.2) For shutter of doors, windows & ventilators including providing and making provision for fixing of fitting wherever required including the cost of PVC/ neoprene gasket required (Fittings shall be paid for separately).		
		389.40	KG
	For fixed portion	311.52	KG
	9.48 Extra for powder coating (minimum 50 micron) on aluminium sections instead of red oxide zinc chromate primer		
		700.92	KG
24	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete. (Cost of aluminium snap beading shall be paid in basic item):		
	With float glass panes of 8 mm thickness	21.12	SQ.M
	With float glass panes of 4 mm thickness	17.82	SQ.M
25	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.		
		445.50	KG
26	Providing and fixing and galvanized wire mesh of I.S. gauge designation 85 G. with wires 0.56 mm 19x12 mm teak wood beading including priming coat of red oxide zinc chromate primer.		
		1.62	SQ.M
27	Providing and fixing antique/ SS finished brass sliding door bolt with necessary bolts, nuts and antique/ SS polished MS screw complete: 8.79.2 250 x 16mm		
		10	EACH

S.No.	PARTICULAR	QTY.	UNIT
28	Providing and fixing antique/ SS finished brass tower bolts (Barrel type) with antique/ SS polished MS screw complete:		
	251 x10 mm	10	EACH
29	Providing and fixing 150mm antique/ S.S. finished brass floor door stopper with rubber cushion and antique/ S.S. polished MS screws to suit the shutter thickness.		
		10	EACH
30	Providing and fixing antique/ SS finished brass handles with antique/ SS polished MS screw complete:		
	125 mm		
		20	EACH
31	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).		
	Granite stone black	5.07	SQ.M
	Extra for nosing in granite STONE FOR treads	7.80	MTR
32	15 mm thick Table rubbed polished Granite stone slab flooring laid over 20mm (Average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing etc. complete. (Area of slab should be 0.50 SQ.M and above)		
	Granite stone black	6.70	SQ.M
33	Providing and laying 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.		
	300x302	7.34	SQ.M
34	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 SQ.M including pointing in white cement mixed with matching pigment complete.		
	Size upto 200x300mm	30.91	SQ.M
35	Providing and laying vitrified floor tiles with double charge/ multi charge printing with water absorption less than 0.5% and conforming to IS : 15622 of approved make in all colours and shades and size mentioned below (+/- 10mm), laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.		
	Size 600x600mm	88.53	SQ.M
36	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 SQ.M and upto 0.50 SQ.M)		
		11.40	SQ.M
37	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.		

S.No.	PARTICULAR	QTY.	UNIT
	As per Inner , outer plastering	659.18	SQ.M
38	Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade.		
	On new work (Three or more coats)	385.01	SQ.M
39	Applying one coat of cement primer on wall surface (applied @ 0.80 litres/10 SQ.M) complete.		
		659.18	SQ.M
40	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:		
	On new work (Two or more coats applied @ 1.43 ltr/ 10 SQ.M over and including priming coat of exterior primer applied @ 2.20 kg/ 10 SQ.M)		
		274.17	SQ.M
41	Painting on new work (two or more coats) to give an even shade with		
	Premium synthetic enamel paint	17.82	SQM
42	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10mm and down grade) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :		
		67.22	METRE
43	Designing, providing and fixing aluminium frame work made of special aluminium section on building face with M.S. angle iron brackets fixed on RCC structure with S.S. hold fasteners, including providing and fixing two sided structural adhesive tape of appropriate grade (NORTON or equivalent), on aluminium sections for fixing aluminium/ glass panel, sealing on periphery of frame work, by providing EPDM gasket, silicon weather sealant between aluminium frame and building structure including hire charges of double scaffolding complete.		
		134.44	KG
44	Providing and fixing aluminium composite panels in approved panel sizes, thickness and shape on aluminium frame work on face of building. (Frame to be paid separately)		
		33.61	SQ.M
45	Providing & fixing Wooden Cladding SHERA TEAK PLANKS -		
		67.59	SQM
46	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of following applications including surface preparation: 1st layer of slurry of cement @ 0.488 kg/SQ.M mixed with water proofing cement compound @ 0.253 kg/SQ.M 2nd layer of Fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm. 3rd layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/SQ.M mixed with coarse sand @ 1.289 kg/SQ.M and water proofing cement compound @ 0.07 kg/SQ.M This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30cm on parapet wall and tucked into groove in parapet all around. 4th and final layer of brick tiling with cement mortar (which will be paid for separately) For the purpose of measurement the entire treated surface will be measured.		
		154.07	SQ.M

OFFICE OF THE MUNICIPAL CORPORATION KORBA (C.G.)**DETAILED ESTIMATE FOR PROPOSED BIHAN BAZAR BUILDING AT NAGAR PALIK NIGAM KORBA (C.G.)****" INTERNAL WATER SUPPLY & SANITARY WORK "**

S.No.	PARTICULAR	QTY.	UNIT
1	Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same colour), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :		
	White wall hung type	2.00	EACH
2	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 :		
	White Oval or round size 550x400mm.	1.00	EACH
3	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc complete.		
	75 mm dia pipe.	20.00	MTR
	110 mm dia pipe.	20.00	MTR
4	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.		
	Tee/ Tee with door/ Bend 45°/ Bend 90°		
	75 mm	5.00	EACH
	110 mm	5.00	EACH
	Vent cover		
	75 mm	2.00	EACH
	110 mm	2.00	EACH
	Access door cap		
	75 mm	2.00	EACH
	110 mm	2.00	EACH
	Nahani Trap 110	3.00	EACH
5	Providing and fixing UV stabilized Unplasticised PVC pipe clips of approved design to Rigid PVC pipes by means of 50 x 50 x 50 mm 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.		
	75 mm	3.00	EACH
	110 mm	3.00	EACH

S.No.	PARTICULAR	QTY.	UNIT
6	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.,		

S.No.	PARTICULAR	QTY.	UNIT
	15 mm nominal outer dia .Pipes.	15.00	MTR
	20 mm nominal outer dia .Pipes.	15.00	MTR
7	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 testing of joints complete as per direction of Engineer in Charge.INTERNAL WORK - EXPOSED ON WALL.		
	25 mm nominal outer dia .Pipes.	10.00	MTR
	32 mm nominal outer dia .Pipes.	30.00	MTR
8	Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete:		
	50 mm dia. nominal bore	10.00	MTR
9	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:		
	Bib cock (400 grams)	3.00	EACH
	Stop cock (concealed) (600 grams)	1.00	EACH
	Pillar Cock (400 grams)	1.00	EACH
	Soap dish plate	1.00	EACH
	Shower rose (revolving type)(150mm)	1.00	EACH
	Towel rail (600mm long x 20mm dia)	1.00	EACH
	Health foscet (hand jet) with flexible connection pipe (for WC)	2.00	EACH
	"P" trap 110mmx110mm long	2.00	EACH
10	Providing and fixing flexible P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.		
	40 mm dia	1.00	EACH
11	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.		
		1.00	EACH
12	Making connection of G.I. distribution branch in G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete: (dia of main line to be measured)		
	50 mm nominal bore	2.00	EACH
13	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end):		
	50 mm nominal bore	2.00	EACH

S.No.	PARTICULAR	QTY.	UNIT
14	Providing and constructing brick masonry chamber for underground pipe and and bends with well burnt modular clay bricks crushing strength not less than 35kg/cm ² in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design :		
	Inside dimensions 455x610 mm and 45 cm deep for single pipe line :	2.00	EACH
15	Constructing brick masonry manhole with well burnt modular clay bricks crushing strength not less than 35kg/cm ² in cement mortar 1:4 (1 cement 4 coarse sand), R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand 4 graded stone aggregate 20 mm nominal size), foundation in cement concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design.		
	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :		
		1.00	EACH
16	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.		
		5000.00	LTR

OFFICE OF THE MUNICIPAL CORPORATION KORBA (C.G.)**DETAILED ESTIMATE FOR PROPOSED BIHAN BAZAR BUILDING AT NAGAR PALIK NIGAM KORBA (C.G.)****" PAVING AREA (AROUND BUILDING PLITH PROTECTION)"**

S.No.	PARTICULAR	QTY.	UNIT
1	Excavation in Soil (by Mechanical Means.) Excavation for roadway in soil using mechanical means including loading in tipper for carrying of cut earth to embankment site and unloading with all lifts and lead upto 1000 meters as per relevant clauses of section 300.		
		13.51	CUM
2	Granular Sub-base as per Table :- 400-1 Construction of granular sub base by providing close graded material carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface watering rolling and compacting with vibratory power roller at OMC to achieve the desired density complete as per clause 401 By mix in place method (i) Disintegrated rock i.e. moorum having CBR value not less than 20 and PI and LL not more than 6 and 20 respectively.		
		13.51	CUM
3	Providing & laying precast interlocking concrete blocks of minimum compressive strength of 300 kg/sq.cm and approved size, shape/ pattern over coarse sand bed of thickness upto 40 mm and joints thick filled with fine sand including leveling with surface vibrator, tamping and sweeping etc. complete as per IRC-SP-63-2004		
	80mm thick Polymer coated coloured precast interlock concrete blocks		
		90.04	SQ.M
4	Manufacturing, supply & fixing of precast kerb stone of size 400mmx259mmx200mm thick made of M-20 concrete rectangular in shape with one corner chamfered by 100 mm x 100 mm as approved design i/c cost of all material, labour and curing etc. complete.		
		120.00	EACH

OFFICE OF THE MUNICIPAL CORPORATION KORBA (C.G.)**DETAILED ESTIMATE FOR PROPOSED BIHAN BAZAR BUILDING AT NAGAR PALIK****" RAIN WATER HARVESTING (1.00X1.00X1.20 M) "**

S.No.	PARTICULAR	QTY.	UNIT
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.		
	In all types of soil	2.35	CUM
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.		
	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).		
		0.39	CUM
3	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete:		
	Thermo-Mechanically treated bars FE 415		
		19.5	KG
4	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:		
	Cement Mortar 1:6 (1 cement : 6 coarse sand)		
		1.34	CUM
5	Supplying, filling, spreading & leveling stone boulders/ Gravels/ Coarse sand, in recharge pit, in the required layers and thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge. (excavation of pit will be paid separately)		
	Stone boulders of size range 5 cm to 20 cm, in recharge pit	0.40	CUM
	Gravels of size range 5 mm to 10 mm, over the existing layer of boulders	0.30	CUM
	Coarse sand of size range 1.5 mm to 2 mm over existing layer of gravel	0.20	CUM
6	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.		
	In all types of soil	4.50	CUM
7	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm. In depth consolidation each deposited layer by ramming and watering with a lead upto 50M. And lift upto 1.5M.		
	50% of Item No 1	2.25	CUM

S.No.	PARTICULAR	QTY.	UNIT
8	Providing and filling in open area with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete.		
	50% of Item No 1 - Pipe Dia	2.25	CUM
9	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.		
	150 mm dia	50.00	RM

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

DETAILED ESTIMATE FOR PROPOSED BIHAN BAZAR BUILDING AT NAGAR PALIK NIGAM KORBA (C.G.)

" SEPTIC TANK 4.00X2.50X1.50 M "

S.No.	PARTICULAR	QTY.	UNIT
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 teats 5m away from the excavated area), including dressing and leveling of pits.In all types of soil		
	In all types of soil	30.89	CUM
2	Extra for every additional lift of 1.5M or part there of		
	All types of soil	9.83	CUM
3	Extra rate for quantity of work executed in or under water and/ or liquid mud including pumping out water.		
		12.36	CUM
4	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.		
		3.51	CUM
5	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of from work.		
	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).	2.11	CUM
6	Providing and laying nominal mix reinforcement cement concrete with crushed stone aggregate using concrete mixer in all works upto floor five level excluding cost of reinforcement and form work.		
	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	11.72	CUM
7	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:		
	Wall of any thickness including attached pilasters, buttresses etc. in superstructure.	25.76	SQM
	Folded plates slabs	21.06	SQM
8	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting bending binding etc. complete as per drawings including cost of binding wire all complete: Thermo-Mechanically treated bars FE 415		
		1054.90	KG
9	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:		
	Cement Mortar 1:6 (1 cement : 6 coarse sand)	5.80	CUM
10	Providing M.S. foot rests including fixing in manholes with 20x20x10 cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) as per standard design.		
	With 20x20 mm square bar	13	NOS.
11	Providing and fixing in position precast R.C.C. manhole cover and frame L D- 2.5 of required shape and approved quality Rectangular shape 600x450mm internal dimensions		
		3	EACH

S.No.	PARTICULAR	QTY.	UNIT
12	25mm thick cement concrete flooring with 1:2:4 cement concrete (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) finished with floating cost of neat cement.		
		12.50	SQM
13	Providing and constructing soak pit 1.20x1.20x1.20m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.		
		1	EACH
14	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.		
	151 mm dia pipe.	2.00	MTR

OFFICE OF THE MUNICIPAL CORPORATION KORBA (C.G.)**DETAILED ESTIMATE FOR PROPOSED BIHAN BAZAR BUILDING AT NAGAR PALIK NIGAM KORBA (C.G.)****"LED SIGN BOARD"**

S.No.	PARTICULAR	QTY.	UNIT
1	LED Sign Board -Supplying, installation, testing and commissioning of Acrylic LED light (a) Specification of Acrylic 3 mm thick x 3 " width x 4 " depth *(imbose) (b) Specification of LED modules :- Each Moduel should have 6 Nos LED of 1 watt		
	at top of building	3.00	SQM

DRAWINGS



