

# कार्यालय, नगर पालिक निगम, कोरबा (छत्तीसगढ़)

फा.क. 25/2024

सिस्टम टेंडर नं.164598

कोरबा दिनांक 17.01.2025

## 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 दिनांक 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 - 11.02.2025 सायंकाल से 3.00 बजे तक
2. निविदा खुलने की अंतिम तिथि - 11.02.2025 सायंकाल 4.00 बजे से

क.	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 डी.ई.ओ. ऑफिस के पीछे प्रशिक्षण हाल निर्माण कार्य (खनिज न्यास मद)	61.00	45750/-	05 माह	3000/-	वर्ग डी एवं प्रवर श्रेणी	11.02.2025 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 उन्हे 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 (पाटर्नरशीप 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 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 फ्लाइंग एश 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](http://uad.cg.gov.in) में अपलोड करने हेतु प्रेषित।

कार्यपालन 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		17.01.2025	16.00	17.01.2025	16.00	Release Tender
2		Bid Submission	17.01.2025	16.00	10.02.2025	17.30	
3		Physical Document Submission	17.01.2025	16.00	11.02.2025	15.00	
4	Tender Open		11.02.2025	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 TRAINING HALL BEHIND D.E.O. OFFICE WARD NO-32**  
 As per S : **SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD BUILDING-01.01.2015]**

S.N	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	1.2	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 50m (at least 5m away from the dressed area).	sqm	360	7.20	2,592.00
2	1.1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.				
	1.1	In all types of soils.	cum	198.21	185.00	36,668.85
3	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.	cum	198.21	65.00	12,883.65
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.	cum	43.14	371.00	16,004.94
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.	sqm	198.24	139.00	27,555.36
	1.5	Columns, Pillars, Piers and likes- rectangular or square in shape	sqm	296.16	297.00	87,959.52
	1.7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	sqm	613.2	235.00	144,102.00
	1.8	Beams, lintels, cantilevers & walls	sqm	411.2	202.00	83,062.40
	.15	Stair cases of all types excluding spiral and folded plate type, including risers and landings	sqm	37.2	230.00	8,556.00
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).	cum	43.14	2659.00	114,709.26
	1.5	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	cum	1.79	4073.00	7,290.67
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).	cum	232.27	4163.00	966,940.01
8	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:				
	2.1	Thermo-Mechanically treated bars FE 415	kg	23227	54.50	1,265,871.50
9	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:	UNIT	QTY	RATE	AMOUNT
5.4		Cement Mortar 1:6 (1 cement : 6 coarse sand)				
10	7.	Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:	cum	157.59	3263.00	514,216.17
			cum	134	121.00	16,214.00
11	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.	kg	480	67.50	32,400.00
12	8.167	Providing and fixing factory made Upvc white colour sliding glazed door comprising of Upvc multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to Upvc profile), appropriate dimension Upvc extruded glazing beads, Upvc extruded interlock and Upvc extruded Inline sash adaptor (if required), EPDM gasket, wool pile, zinc alloy (white powder coated) handle with key on one side of extreme panels along with zinc plated mild steel multi point locking having transmission gear with keeps, zinc alloy (white powder coated) crescent lock (if required), stainless steel (SS 304 grade) body with adjustable double nylon rollers (weight bearing capacity to be 120 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing fram,: the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approve: drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately vide chapter no. 9.51, 9.58, 9.59 Respectively). Note: For Upvc frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be completed.				
	F.3	Threctrack three panels sliding door with fly proof S.S wire mesh (Two nos. glazed 4 one no. wire mesh panels) made of (big series) frame 116 x 45 mm & sash 46 x 82 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / glazing bead of appropriate dimension. (Area of door above 2.00 sqm upto 5 sqm)	Sqm	28.8	6532.85	188,146.08
13	11.1	Providing and making 6mm thick cement plaster of mix:				
	1.2	In Cement mortar 1:4 (1 cement : 4 fine sand)	sqm	656.64	87.00	57,127.68
14	11.2	Providing and making 12mm thick cement plaster of mix:				
	2.4	In Cement Mortar 1:6 (1 cement : 6 fine sand)	sqm	905.94	91.50	82,893.51
15	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	866.78	107.00	92,745.46
16	12.7	Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing In white cement mixed with matching pigment complete.				
	7.1	Size upto 200x300mm	sqm	129.36	587.00	75,934.32
17	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				

REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	mixed with matching pigment etc., complete.				
9.1	Size 300x300mm	sqm	60	692.00	41,520.00
18 12.	Providing and laying vitrified floor tiles with double charge/ multi charge grouting 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.				
3.1	Size 600x600mm	sqm	538.48	1151.00	619,790.48
19 12.46	15 mm thck 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).				
16.4	Granite Chhatarpur (kisan) red	sqm	15.6	3567.00	55,645.20
20 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		94.50	
21 14.12	Applying one coat of cement primer on wall surface (applied @ 0.80 litres/10 sqm) complete.	sqm	2300.36	23.00	52,908.28
22 14.11	Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade.				
1.1	On new work (two or more coats)	sqm	870	52.50	45,675.00
23 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:				
5.1	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	1430	56.00	80,080.00
24 14.22	Painting on new work (two or more coats) to give an even shade with:				
2.1	Satin synthetic enamel paint	sqm	83.2	55.00	4,576.00
25 9.2	Structural steel work riveted or bolted or welded in built-up sections, trusses and frames work upto a height of 5m above plinth level, including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.	Kg	400	66.00	26,400.00
26 8.155	Providing and fixing factory made Pre-laminated particle board flat pressed three layer or graded wood particle board shutter (25 mm thick) with one side decorative finish and other side balancing lamination conforming to IS: 12823 Grade I Type II, of approved design, and edges sealed with water resistant paint and lipped with aluminium 'U' type edge beading all-round the shutter, including fixing with angle cleat, grip strip, cadmium plated steel screws including fixing of stainless steel hinges 100x1.7mm etc complete as per direction of Engineer-in-Charge	sqm	18.48	3483.00	64,365.84
27 8.152	Providing and fixing 30mm thick factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for styles and 15x15mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5mm thick heat moulded PVC 'C' channel of size 30mm thickness, 70mm width out of which 50mm shall be flat and 20mm shall be tapered in 45degree angle on either side forming styles; and 5mm thick, 95mm wide PVC sheet out of which 75mm shall be flat and				

REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	20mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115mm wide PVC sheet out of which 75mm shall be flat and 20mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel. 10mm (5mm x 2 ) thick, 20mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail. paneling of 5mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7mm (5mm+2mm) thick x 15mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5mm thick PVC strip of 20mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per Manufacturer's specification including 3 nos ISI marked stainless steel hinges of size 100x58x1.9 mm complete. (for W.C. and bathroom door shutter).				
2.2	Both side Pre-laminated panel PVC door shutter	sqm	13.44	2832.00	38,062.08
28 8.58	Providing and fixing bright finished brass butt hinges with brass polished MS screws complete:				
8.2	100x85x5.50 mm (Heavy Type)	each	56	195.00	10,920.00
29 8.60	Providing and fixing bright finished brass sliding door bolt with nuts and brass polished MS screws complete:				
0.1	300x16mm	each	16	475.00	7,600.00
30 8.61	Providing and fixing brass door latch with brass polished MS screws complete:				
1.2	250x16x5 mm	each	16	268.00	4,288.00
31 8.62	Providing and fixing bright finished brass tower bolts (barrel type) with brass polished MS screws complete:				
2.2	200x10mm	each	8	231.00	1,848.00
32 8.65	Providing and fixing bright finished brass door handles with brass polished MS screws complete:				
5.1	125 mm	each	32	55.50	1,776.00
33 18.4	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 :				
4.1	White pedestal type	each	4	2882.00	11,528.00
34 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:				
3.1	Flat back half stall urinal of size 460x380x250mm	each	6	1776.00	10,656.00
35 18.15	Providing and fixing one piece construction white vitreous china squatting plate urinal with an integral rim longitudinal flushing pipe, standard size G.I. flush pipe for back and front flush, C.P. brass coupling complete including cutting and making good the walls and floors etc. wherever required :	each	6	2014.00	12,084.00
36 18.18	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings :				
8.1	White Size 550x450 mm	each	12	936.00	11,232.00
37 18.25	Providing and fixing flexible P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
5.1	32 mm dia	each	6	68.50	411.00
38 18.29	Providing and fixing 600x450 mm beveled edge 4mm mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground	each	12	599.00	7,188.00

REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	fixed to wooden cleats with C.P. brass screws and washers complete.				
19.4	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings l/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				
4.2	20 mm nominal outer dia .Pipes.	metre	100	151.00	15,100.00
4.4	32 mm nominal outer dia .Pipes.	metre	100	271.00	27,100.00
40 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	2000	7.30	14,600.00
41 19.48	Constructing masonry Chamber 60x60x75 cm, inside with modular well burnt clay bricks of 35 kg/ cm <sup>2</sup> 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 and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 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 :	each	2	4644.00	9,288.00
42 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.				
		metre	20	182.00	3,640.00
6.1	75 mm dia pipe.	metre	20	267.00	5,340.00
6.2	110 mm dia pipe.				
43 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.				
		0			
7.1	Tee/ Tee with door/ Bend 45° / Bend 90°	each	10	154.00	1,540.00
1.2	110 mm	0			
7.2	Double 'Y' with or without door	each	10	129.00	1,290.00
2.1	75 mm	0			
7.3	Vent cover	each	1.00	34.00	34.00
3.1	75 mm	each	2	227.00	454.00
7.5	'PI' trap 110mmx110mm long	each	10	90.50	905.00
7.6	Nahani trap 110x75mm				
44 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.				
		each	30	57.00	1,710.00
8.1	75 mm				
45 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:				

W	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	4.1	Bib cock (400 grams)				
	4.4	Pillar Cock (400 grams)	each	40	322.00	15,220.00
	4.6	Stop cock (concealed) (600 grams)	each	12	399.00	4,776.00
	16	Towel rail (600mm long x 20mm dia)	each	12	434.00	5,222.00
	16	Towel rail (600mm long x 20mm dia)	each	8	332.00	2,704.00
46	10.63	Providing and fixing 97mm thick Gypsum board partition upto ceiling height consisting of frame work "VA" / "U" / "L" sections made of G.I. sheet with zinc coating of grade 120, consisting of floor and ceiling channel 50mm wide having equal flanges of 32mm and 0.55mm thick fixed to the floor and ceiling at the spacing of 610mm centre to centre with dash fastener of 12.5mm diameter 40mm length and the studs 42mm wide having one flange of 34mm and other flange 36mm and 0.55mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610mm centre to centre by 6mm dia bolts and nuts at both ends of partition fixed flush to wall with rawl plugs at spacing of 450mm centre to centre and fixing of boards to either side of frame work by 25mm dry wall screws on studs, floor and ceiling channels at the spacing of 300mm centre to center and 97mm thick Gypsum board which includes one layer of tapered edge 12.5mm thick Gypsum plaster board (conforming I.S. 2095-1982) screw fixed with 25mm screws at 300mm centre to centre to either side, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, joint finisher and two coats of primer suitable for board as per manufacture's specification and Direction of Engineer-in-charge all complete.	sqm	420	752.00	318,250.00
47	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).				
	6.2	Granite stone black	sqm	54.4	2719.00	147,913.60
48	9.57	Providing stainless steel railing/ grill made of S.S. flats, hollow S.S. pipe or square/ rectangular sections of approved design fixing in stair case, balcony or other places with metal fasteners and stainless steel bolts etc complete.				
	7.2	SS Grade 304	kg	250	525.00	131,250.00

As per Estimate Amount Rs. 5,649,639.86  
 Extra for Internal Electrification Add Above 8 % 451,971.19  
 00.0 6,101,611.05  
 Say Rs.

  
 Sub Engineer  
 Nagar Palik Nigam,  
 Korba

  
 Asst. Engineer  
 Nagar Palik Nigam,  
 Korba