



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

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

दर्री जोन

फा.क्र./351, 352 एवं 353/दर्री जोन/2021/

कोरबा दिनांक 13.01.2021

निविदा आमंत्रण सूचना

लोक निर्माण विभाग से एकीकृत पंजीयन प्रणाली अंतर्गत सक्षम श्रेणी में पंजीकृत ठेकेदारों से निम्नलिखित कार्य हेतु प्रमुख अभियंता लोक निर्माण विभाग रायपुर द्वारा प्रचलित PWD Building SOR 01.01.2015 से प्रभावशील दर अनुसूची पर (निविदा खुलने के दिनांक तक समस्त संशोधनों के साथ) कम अधिक या समान दरो पर तथा शेड्यूल अनुसार आईटम दरों पर मैन्युअल निविदा वेब साइट से डाउनलोड कर त्रि-लिफाफा पद्धति के माध्यम से निविदा आमंत्रित की जाती है।

01 निर्धारित प्रारूप में निविदा प्रपत्र प्राप्त होने अंतिम तिथि	—	09.02.2021 सायंकाल 3:00 बजे तक
02 निविदा खुलने की अंतिम तिथि	—	09.02.2021 सायंकाल 4:00 बजे तक

क्र.	कार्य का नाम	प्राक्कलन राशि	घरोहर राशि	निविदा प्रपत्र का मूल्य	निविदा प्रपत्र	कार्यावधि	ठेकेदार का वर्ग	निविदा खुलने की तिथि
1	वार्ड क्र. 43 में दर्री पुलिस थाना के सामने निगम कॉम्प्लेक्स की पेविंग एवं कांक्रिटिंग रिपेयरिंग कार्य। (मरम्मत एवं संधारण मद)	3,76,000/-	3,800/-	750/-	Form-A	03 माह	सक्षम श्रेणी	09.02.2021
2	वार्ड क्र. 45 राजीव नगर के विभिन्न स्थानों पर नाली मरम्मत कार्य (राजू महतो के घर से राम मिलन तक, चुटेल के घर तक, बसंती कटकवार के घर से विन्दा सिंदार के घर तक, भूपेन्द्र साहू के घर से शांति साहू के घर तक) (मरम्मत एवं संधारण मद)	3,42,000/-	3,500/-	750/-	Form-A	03 माह	सक्षम श्रेणी	09.02.2021
3	वार्ड क्र. 51 साड़ा कालोनी जमनीपाली में मूत्रालय एवं अन्य सुविधा बाबत। (महापौर निधि वर्ष 2020-21)	7,00,000/-	5,300/-	750/-	Form-A	03 माह	सक्षम श्रेणी	09.02.2021

निविदा की शर्तें :-

- निविदा दरें प्रचलित सी.एस.आर. से कम या अधिक प्रतिशत दरों पर दिया जावें, सी.एस.आर. के अंतर्गत के आईटमों पर पृथक से आईटम दरों का उल्लेख करने पर निविदा निरस्त मानी जावेगी।
- निविदा के दस्तावेज हाथो - हाथ न लिया जाकर रजिस्टर्ड पोस्ट अथवा स्पीड पोस्ट से प्राप्त किया जावेगा। अन्य माध्यमो यथा कोरियर, सर्विस,साधारण डाक इत्यादि से प्राप्त अथवा समयावधि के पश्चात प्राप्त निविदाओं पर विचार नहीं किया जावेगा। निविदा प्रपत्र आयुक्त नगर पालिक निगम,साकेत भवन आई.टी.आई.चौक कोरबा, जिला - कोरबा (छ.ग.) पिन नं.-495677 के पते पर भेजना होगा। निर्धारित तिथि को सायं 3:00 के पश्चात् प्राप्त निविदाएँ स्वीकार नहीं किए जावेंगे।
- निविदा प्रपत्र नगर पालिक निगम,कोरबा के वेबसाइट WWW.korbamunicipal.in/uad.cg.gov.in डाउनलोड किया जाकर नवीन निविदा प्रपत्र Form- A/B/ABC (जारी दिनांक समस्त संशोधनों के साथ) निर्धारित शुल्क की डीडी के साथ संबंधित कार्य का नाम पूर्ण विवरण सहित भरकर भेजना होगा।
- निविदा प्रपत्र त्रि- लिफाफा पद्धति से मान्य किया जावेगा जो निम्नानुसार होगा :-
(अ) प्रथम लिफाफा में ठेकेदार का जीवित पंजीयन प्रमाण पत्र,आयकर चुकता प्रमाण पत्र,निविदा सूचना आमंत्रण में उल्लेखित अन्य दस्तावेज के साथ निर्धारित प्रपत्र शुल्क का डीडी एवं अमानत राशि का टी.डी.आर./एफ.डी.आर.जो कि आयुक्त नगर पालिक निगम,कोरबा के नाम पर देय होगा प्रस्तुत करना होगा।
(ब) द्वितीय लिफाफा में ठेकेदार द्वारा भरा निविदा प्रपत्र होगा।
(स) तृतीय लिफाफे में उपरोक्त दोनो लिफाफे होंगे तथा आवश्यकता पड़ने पर मूल अभिलेख प्रस्तुत करना होगा।
- जिन ठेकेदारों द्वारा नगर पालिक निगम,(साड़ा) के किसी ठेके के कार्य में अनुबंध के अनुरूप कार्य न किया गया हो अथवा नगर पालिक निगम (साड़ा) के हित के विरुद्ध कार्य किया गया हो उनहे निविदा भरने की प्राप्ति नहीं होगी।
- निविदा प्रपत्र प्राप्त करने हेतु इच्छुक ठेकेदारों को आवेदन पत्र के साथ उचित वर्ग में पंजीयन की प्रमाणित प्रतिलिपि यदि साझेदारी फर्म हो तो उसका प्रमाण पत्र (पार्टनर शीप डीड) की सत्य प्रतिलिपि, उपलब्ध तकनीकी अमले की जानकारी पिछले वित्तीय वर्ष का आयकर प्रमाण पत्र/पेन नम्बर जी.एस.टी. पंजीयन एवं प्रशिक्षित यंत्री नियुक्त करने संबंधी प्रमाण पत्र,कर्मचारी भविष्य निधि संगठन,कर्मचारी राज्य बीमा निगम रायपुर से पंजीयन एवं विस्तृत निविदा आमंत्रण सूचना (एन.आई.टी.) हस्ताक्षर युक्त एवं निर्धारित प्रारूप में निविदा आमंत्रण सूचना के कंडिका क्र. 04 के लिफाफा (अ) में प्रस्तुत करना अनिवार्य होगा।
- कार्य हेतु लिफाफे पर कार्य का नाम निविदा आमंत्रण सूचना क्रमांक,निविदा खुलने की तिथि स्पष्ट रूप से लिखकर भेजना होगा।
- निविदाकार का यह दायित्व है कि वे निविदा भरने के पूर्व स्थल का स्वयं निरीक्षण कर लें ताकि प्रारंभ करने में किसी प्रकार की कठिनाई न हो।
- निर्धारित निविदा प्रपत्र में उल्लेखित कंडिकाएँ स्वमेव लागू मानी जावेगी एवं निविदा आमंत्रण सूचना निविदा का ही भाग माना जावेगा।
- निर्धारित प्रारूप में निविदा प्रपत्र,निविदा प्रपत्र शुल्क ,अमानत राशि , निविदा आमंत्रण सूचना पत्र में उल्लेखित दस्तावेज सही पाये जाने पर ही निविदा दर संबंधित लिफाफा खोला जावेगा,अन्यथा निविदा निरस्त कर दी जावेगी।

- ठेकेदार को अपनी दरे शब्दों एवं अंकों में लिखना अनिवार्य होगा ।
- शासन के विभिन्न विभागों जैसे :- खनिज विभाग, श्रम विभाग, समाज कल्याण विभाग, इत्यादि विभागों द्वारा समय-समय पर जारी निर्देशों / आदेशों के पालन की समस्त जिम्मेदारी संबंधित ठेकेदार की होगी ।
13. ठेकेदार यदि कार्य को अपूर्ण स्थिति में छोड़ता है तो निविदा प्रपत्र में उल्लेख अनुसार इस संबंध में प्रावधान के अंतर्गत कार्यवाही की जावेगी ।
 14. कार्य प्रारंभ नहीं करने अथवा अपूर्ण स्थिति में छोड़ने पर निगम द्वारा ठेकेदार के विरुद्ध तत् समय में एम.आई. सी. द्वारा स्वीकृत प्रस्ताव के अधीन कार्यवाही की जावेगी संपूर्ण जवाबदारी ठेकेदार की होगी ।
 15. सफल निविदा दाता से अनुबंध के समय अतिरिक्त परफार्मेंस राशि जमा कराई जावेगी जब की निविदा की दरों में काफी कमी हो जैसे निविदा दाता को निविदा दर एवं अनुमानित लागत से 10 प्रतिशत से अधिक निविदा दर होने पर सफल निविदा दाता को निविदा दर एवं अनुमानित लागत के 90 प्रतिशत अंतर की राशि के समतुल्य परफार्मेंस गारंटी के रूप में राष्ट्रीयकृत बैंक का एफ.डी.आर./टी.डी.आर.आफिस टाईम डिपॉजिट अथवा एन.एस.सी. जो कि आयुक्त, नगर पालिक निगम, कोरबा के नाम से देय होगा, जो माग तिथि से 15 दिवस के भीतर जमा करना अनिवार्य होगा । उपरोक्त राशि को जमा न करने की दशा में निविदा निरस्त कर दी जावेगी ।
 16. सम्पूर्ण किये गये कार्यों के लिये 5 प्रतिशत सुरक्षा राशि रनिंग देयकों से कटौती की जावेगी, जिसे कार्य पूर्णता के 01 वर्ष पश्चात् भुगतान किया जावेगा एवं कंडिका 03 हेतु कार्य की चल देयकों से कटौती की गयी परफार्मेंस गारंटी की राशि को कार्य पूर्णता के 03 वर्ष पश्चात् भुगतान किया जावेगा ।
 17. 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 01 प्रतिशत उपकर के रूप में प्रत्येक देयक से कटौती की जावेगी ।
 18. निविदाकार को प्रत्येक निविदा में पंजीयन क्षमता के अंतर्गत वर्तमान में नगर निगम या अन्य विभागों में किये जा रहे कार्यों का विवरण राशि सहित मूलप्रति में वैध शपथ पत्र कंडिया क्र.- 04 के प्रथम लिफाफा (अ) में प्रस्तुत करना अनिवार्य होगा ।
 19. ईट से संबंधित निर्माण कार्यों में फलाई एश ब्रिक का उपयोग किया जाना अनिवार्य होगा ।
 20. निविदा प्रपत्र अहस्तातरणीय होगा एवं सशर्त निविदाओं पर विचार नहीं किया जावेगा ।
 21. निविदा के संबंध में किसी प्रकार की विवाद होने की स्थिति में आयुक्त के द्वारा अधीनस्थ अधिकारियों का निर्णय अंतिम एवं सर्वमान्य होगा ।
 22. निविदा स्वीकृत करने अथवा अस्वीकृत करने का अधिकार नगर पालिक निगम, कोरबा के पास सुरक्षित रहेगा ।
 23. निविदा खुलने की तिथि में अवकाश होने पर अगामी तिथि को निविदा संबंधित कार्यवाही मानी जावेगी ।

नोट :-

01. अमानत राशि के रूप में एफ.डी.आर./टी.डी.आर. अथवा नगर जमा रसीद पृथक से लिफाफे में स्वीकार किये जायेगे जो आयुक्त नगर पालिक निगम, कोरबा के नाम से देय हो ।
02. उपरोक्त तिथियों में किसी भी तिथि को शासकीय/स्थानीय अवकाश होने की स्थिति में अगले कार्य दिवस को निर्धारित तिथि समय एवं स्थान माना जावे ।

(ठेकेदार के हस्ताक्षर)

नाम.....

पूर्ण पता

मोबाईल नं.-.....

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

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

Name of Work **WARD NO. 51 SADA COLONY JAMANIPALI ME MUTRALAYA AVAM BORE WELL PANI TANKI KE SATH MAYOR**
FUND 2020 - 21

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

S.N	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	1.2	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	150	7.20	1,080.00
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	47.77	185.00	8,837.45
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	12.50	65.00	812.50
4	3.1	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.				
	1.2	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).	cum	3.62	2659.00	9,625.58
5	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	4.15	4073.00	16,902.95
6	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	13.71	4163.00	57,074.73
7	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	1100.00	54.50	59,950.00
8	3.14	Providing and mixing water proofing material in PCC/ RCC work in the proportion recommended by the manufacturer.	kg	5.00	43.50	217.50
9	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.	sqm	11.85	273.00	3,235.05
10	2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all				

S.N	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUN
		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	30.24	139.00	4,203.36
	1.4	Edge of slab, breaks in floor and walls upto 200mm.	metre	41.8	34.00	1,421.20
	1.5	Columns, Pillars, Piers and likes- rectangular or square in shape	sqm	18.00	297.00	5,346.00
	1.7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	sqm	39.1	235.00	9,188.50
	1.8	Beams, lintels, cantilevers & walls	sqm	16.12	202.00	3,256.24
11	7.5	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:				
	5.3	Cement Mortar 1:5 (1 cement : 5 coarse sand)	cum	30.63	3350.00	102,610.50
12	7.6	Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:	cum	13.36	121.00	1,616.56
13	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	13.15	371.00	4,878.65
14	2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:				
	1.13	Weather shade, chhajja, Cornices and mouldings	sqm	3.1	294.00	911.40
15	7.11	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:				
	11.2	Cement Mortar 1:4 (1 cement : 4 coarse sand)	sqm	18.1	382.00	6,914.20
16	8.151	Providing and fixing factory made P.V.C. door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet mitred at corners and joined with 2 Nos of 150mm long brackets of 15x15mm M.S. square tube, the vertical door profiles to be reinforced with 19x19mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100mm size complete as per manufacturers specification and direction of Engineer-in-Charge.	metre	10.00	346.00	3,460.00
17	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 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				

S.N	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		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).				
	52.2	Both side Pre-laminated panel PVC door shutter	sqm	3.36	2832.00	9,515.52
18	9.6	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.				
	6.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	Kg	191	68.00	12,988.00
19	11.1	Providing and making 6mm thick cement plaster of mix:				
	1.2	In Cement mortar 1:4 (1 cement : 4 fine sand)	sqm	34.92	87.00	3,038.04
20	11.2	Providing and making 12mm thick cement plaster of mix:				
	2.3	In Cement Mortar 1:5 (1 cement : 5 fine sand)	sqm	82.41	96.50	7,952.56
21	11.3	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:				
	3.3	In Cement Mortar 1:5 (1 cement : 5 fine sand)	sqm	96.57	113.00	10,912.41
22	12.1	Applying cement slurry on R.C.C. slab or cement concrete work using 2.75 kg/ sqm for receiving cement concrete floor including roughening cleaning etc complete.	sqm	48.72	34.00	1,656.48
23	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.				
	7.2	Size above 200x300mm	sqm	103.38	646.00	66,783.48
24	12.9	Providing and laying ceramic glazed floor tiles conforming to IS : 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete.				
	9.2	Size above 300x300mm	sqm	15.5	728.00	11,284.00
25	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	213.90	94.50	20,213.55
26	14.14	Finishing walls with water proofing cement paint of required shade to give an even shade.				
	14.1	On new work (Two or more coats applied @ 3.84 kg/10 sqm)	sqm	96.57	41.00	3,959.37
27	14.9	Distempering with acrylic washable distemper to give an even shade.				
	9.1	On new work (Two or more coats)	sqm	75.92	38.00	2,884.96
28	14.22	Painting on new work (two or more coats) to give an even shade with:				
	22.1	Satin synthetic enamel paint	sqm	10.64	55.00	585.20
29	13.1	15 mm thick Marble work (machine cut, table rubbed & polished) for wall lining (veneer work) in cement mortar 1:3 (1 cement : 3 coarse sand) including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) mixed with matching pigment. (Area of slab should be over 0.5 sqm)				
	1.1	Makrana white second quality.	sqm	3.20	3831.00	12,259.20

S.N	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
30	18.1	Providing and fixing water closet squatting pan (Indian type W.C. pan), 100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :				
	1.1	White Long pattern W.C. pan of size 580 mm	each	2.00	2459.00	4,918.00
31	18.13	Providing and fixing white vitreous china urinal basin with waste fitting as per IS : 2556, and other couplings in C.P. brass complete:				
	13.1	Flat back half stall urinal of size 460x380x250mm	each	2.00	1776.00	3,552.00
32	18.16	Providing and fixing one piece construction white vitreous china squatting plate urinal with an integral rim longitudinal flushing pipe.	each	2.00	1401.00	2,802.00
33	18.17	Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :				
	17.1	White Size 550x450 mm	each	4.00	1430.00	5,720.00
34	18.25	Providing and fixing flexible P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
	25.1	32 mm dia	each	4.00	68.50	274.00
35	18.30	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :				
	30.1	5mm thick mirror	sqm	0.96	2016.00	1,935.36
36	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	7.00	267.00	1,869.00
37	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	2.00	154.00	308.00
	77.3	Vent cover				
	1.3.2	110 mm	each	1.00	44.00	44.00
	77.4	Access door cap				
	1.4.2	110 mm	each	1.00	59.00	59.00
	77.5	"PI" trap 110mmx110mm long	each	4.00	227.00	908.00
38	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	96.00	133.00	12,768.00

S.N	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	5.2	20 mm nominal outer dia .Pipes.				
	5.4	32 mm nominal outer dia .Pipes.	metre	52.00	167.00	8,684.00
	10.10	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)	metre	44.00	284.00	12,496.00
	10.2	32 mm nominal bore				
40	19.13	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality:	each	1.00	224.00	224.00
	13.1	Bib cock (250 grams)				
	13.3	Stop cock (350 grams)	each	8.00	185.00	1,480.00
41	19.16	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end):	each	8.00	237.00	1,896.00
	16.2	32 mm nominal bore.				
42	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	each	2.00	510.00	1,020.00
			litre	2000.00	7.30	14,600.00
43	19.43	Cutting holes more than 20x20 cm and upto 30x30 cm in walls including	each	6.00	125.00	750.00
44	19.44	Cutting holes upto 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including finishing complete so as to make it leak proof.	each	2.00	94.00	188.00
45	19.47	Constructing masonry Chamber 30x30x50 cm, inside with modular well burnt clay bricks of 35 kg/ cm ² in cement mortar 1:4 (1 cement : 4 coarse sand) for stop cock, with C. I. surface box 100x100 x75 mm (inside) with hinged cover fixed in cement concrete 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 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12mm thick finished with a floating coat of neat cement complete as per standard design :	each	4.00	754.00	3,016.00
46	20.6	Providing, lowering, laying, aligning, fixing in position at and jointing at all level/ depths ISI marked HDPE pipes of PE-100 grade and PN 6 for sewer application as per IS 14333-1996 (amended upto date) in trenches in complete including all material, labour, testing and commissioning as per direction of Engineer. Note : E/w to be measured and paid separately.				
	6.3	200 mm dia				
47	20.7	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 :	metre	40.00	1165.00	46,600.00

S.N	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	7.1	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) :	Each	3.00	6703.00	20,109.00
	21.1	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.				
	1.1	All types of soil				
	1.3	150 mm dia.				
	1.2	Rocky strata including Boulders.	metre	25.00	339.00	8,475.00
	1.2.3	150 mm dia.				
49	21.2	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 beyond 90 metre & upto 150 metre depth below ground level. All types of soil	metre	30.00	396.00	11,880.00
	2.2	Rocky strata including Boulders.				
	2.3	150 mm dia.				
50	21.3	Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge.	metre	55.00	424.00	23,320.00
	3.3	150 mm nominal size dia.				
51	21.5	Supplying, assembling, lowering and fixing in vertical position in bore well, ISI marked G.I. casing pipe (Plain) medium class in 4 to 7 meters length one end fitted with socket as per IS: 1239 (Part-1&Part-2) 1992 with IVth revision (Up-to-date amendments), of reputed & approved make, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer-in-charge.	metre	20.00	540.00	10,800.00
	5.3	150 mm nominal dia				
52	21.10	Development of tube well in accordance with IS : 2800 (part I) and IS: 11189, to establish maximum rate of usable water yield without sand content (beyond permissible limit), with required capacity air compressor, running the compressor for required time till well is fully developed, measuring yield of well by "V" notch method or any other approved method, measuring static level & draw down etc. by step draw down method, collecting water samples & getting tested in approved laboratory, i/c disinfection of tube well, all complete, including hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Engineer-in-charge.	metre Hour	20.00 2.00	1304.00 654.00	26,080.00 1,308.00
53	21.11	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				

S.N	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		requirement, all complete for bore well of:				
	11.3	150 mm dia	each	1.00	217.00	217.00
	12.12	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.				
	12.3	150 mm clamp.	each	1.00	1055.00	1,055.00
55	21.16	Providing ISI Mark 32 mm dia G.I. (B class) riser pipe and M.S. plunger rod in 3 meter length socketed on one end as per IS: 1239 (Part I) 1990 with up to date amendments and socket as per IS: 2062/1990 up to date amendments.	metre	12.00	275.00	3,300.00
56	21.17	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 point is payable)	point	1.00	1502.00	1,502.00

As per Estimate Amount Rs. 699732.50

Say Rs. 7,00,000/-

SUB ENGINEER
NAGAR PALIK NIGAM
KORBA(C.G)

ASSISTANT ENGINEER
NAGAR PALIK NIGAM
KORBA (C.G)

EXECUTIVE ENGINEER
NAGAR PALIK NIGAM
KORBA(C.G)