

कार्यालय, नगर पालिक निगम, कोरबा (छत्तीसगढ़)

कोरबा, दिनांक 23.05.2022

सिस्टम टेन्डर क्र. 100393

ई-निविदा आमंत्रण सूचना

नगर पालिक निगम, कोरबा द्वारा शासकीय/अर्धशासकीय विभागों में कार्यरत व्यवसाय से संबंधित अनुभवी फर्मों/प्रदायकर्ताओं से (निविदा खुलने के दिनांक तक समस्त संशोधनों के साथ) शेड्यूल अनुसार आयटम दरों पर ई-प्रोक्युरमेंट (E-Tendering) के माध्यम से निविदाएं आमंत्रित की जाती हैं।

क्र.	कार्य का नाम	प्राक्कलन राशि में	धरोहर राशि रु में	निविदा प्रपत्र	कार्यावधि	निविदा खुलने की अंतिम तिथि
1	निगम क्षेत्रांतर्गत विभिन्न उद्यानों, चौक चाराहो एवं फाउण्टेन के मरम्मत कार्य एवं विद्युत कार्य हेतु वार्षिक दर निर्धारण	-	75,000/-	Form-B	12 माह	16.06.2022 to.....

शर्तें:-

1. निविदा दरें प्रचलित एस.ओ.आर. से कम या अधिक प्रतिशत दरों पर दिया जावे एस.ओ.आर. के अंतर्गत के आयटमों पर पृथक से आयटम दरों का उल्लेख करने पर निविदा निरस्त मानी जावेगी।
2. जिन ठेकेदारों द्वारा नगर पालिक निगम (साडा) के किसी ठेके के कार्य में अनुबंध के अनुरूप कार्य न किया गया हो अथवा नगर पालिक निगम (साडा) के हित के विरुद्ध कार्य किया गया हो उन्हें निविदा भरने की पात्रता नहीं होगी।
3. इच्छुक ठेकेदारों को उचित वर्ग में पंजीयन की प्रमाणित प्रतिलिपि यदि साझेदारी फर्म हो तो उसका प्रमाण पत्र (पार्टनरशिप डीड) की सत्य प्रतिलिपि, पूर्व में इस प्रकार के किये गये कार्यों की प्रमाणित सूची, उपलब्ध तकनीकी अमले की जानकारी, आयकर प्रमाण पत्र/पैन नंबर, जी.एस.टी. पंजीयन प्रमाण पत्र एवं अमानत राशि ऑनलाईन जमा करना अनिवार्य होगा, प्रशिक्षित यंत्री नियुक्त करने संबंधी प्रमाण पत्र, कर्मचारी भविष्यनिधि रायपुर से पंजीकरण का कोड एवं धरोहर राशि का स्कैन कापी ऑनलाईन सिस्टम पर अपलोड करना अनिवार्य होगा।
4. सम्पूर्ण किये गये कार्यों के लिये 5 प्रतिशत सुरक्षा राशि रनिंग देयको के साथ 01 वर्ष के लिये एवं 5 प्रतिशत पृथक से 03 वर्ष के लिये परफार्मेंस सिक्यूरिटी के रूप में रोकी जावेगी।
5. जिन निविदाकारों द्वारा कर्मचारी भविष्यनिधि संगठन एवं कर्मचारी राज्य बीमा निगम, रायपुर से पंजीयन कराकर कोड प्राप्त कर लिया हो वे निविदाकार ही निविदा हेतु पात्र होंगे।
6. 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 देना अनिवार्य होगा।
7. 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 प्रतिशत उपकर के रूप में प्रत्येक देयक से कटौती की जावेगी।
8. ईट से संबंधित निर्माण कार्यों में पलाई ऐश ब्रिक्स का उपयोग किया जाना अनिवार्य होगा।
9. प्रयुक्त लोहा का बिल एवं टेस्ट रिपोर्ट तथा प्रयुक्त सीमेंट का बिल संलग्न करना अनिवार्य होगा।
10. निविदा प्रपत्र अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नहीं किया जावेगा।
11. निविदाकार को पूर्व में शासकीय/अर्धशासकीय विभागों में इस प्रकार के किये गये कार्यों का अनुभव प्रमाण पत्र संलग्न करना अनिवार्य होगा।
12. निविदा के संबंध में किसी प्रकार की विवाद होने की स्थिति में आयुक्त के द्वारा अधीनस्थ अधिकारियों का निर्णय अंतिम एवं सर्वमान्य होगा।
13. निविदा स्वीकृत करने अथवा अस्वीकृत 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 उद्यान शाखा से प्राप्त किये जा सकते हैं।

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

प्रतिलिपि :-

1. प्रोग्रामर, संचालनालय, नगरीय प्रशासन एवं विकास विभाग, मंत्रालय अटल नगर नया रायपुर (छ.ग.) को uad.cg.gov.in में अपलोड किये जाने हेतु प्रेषित।

Date-Time Detail(s)

Seq. No.	Nagar Nigam Stage	Contractor Stage	Start		Expiry		Remarks
			Date	Time	Date	Time	
1	Release Tender		23.05.2022	12.30	23.05.2022	12.30	Release Tender
2		Bid Submission	23.05.2022	12.30	15.06.2022	17.30	
3	Tender Open		16.06.2022	10.30	--	--	


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

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

कार्य का नाम – निगम क्षेत्रांतर्गत विभिन्न उद्यानो, चौक चौराहो एवं फाउण्टेन के मरम्मत कार्य एवं विद्युत कार्य हेतु वार्षिक दर निर्धारण।

S.NO.	ITEM DESCRIPTION	UNIT	RATE
Part - A PWD Building & Road SOR 01.01.2015			
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 soils.	cum	
	In ordinary rocks.	cum	
2	Extra for every additional lift of 1.5 m or part thereof.		
	All types of soils	cum	
	Ordinary or hard rocks	cum	
3	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	
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.	cum	
5	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	
6	Carriage by mechanical transport upto 5 km lead:		
	Earth	cum	
	Sludge	cum	
	Dismantled Building debris (Mulba)	cum	
	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:		
7	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	sqm	
	Wall of any thickness including attached pilasters, buttresses etc. in super structure.	sqm	
	Wall of any thickness including attached pilasters, buttresses etc. in super structure.	m	
	Columns, Pillars, Piers and likes- rectangular or square in shape	sqm	
	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	sqm	
	Beams, lintels, cantilevers & walls	sqm	
8	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.		
	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).	cum	
	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).	cum	

	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	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:	cum
10	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).	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 in foundation and plinth all complete:	
	Thermo-Mechanically treated bars FE 415	KG
12	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:	cum
13	Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:	cum
14	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
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
16	Providing and fixing M.S. frames of doors, windows, ventilators and cupboards joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10cm of grade M-10 or with wooden plugs and screws or with dash fastener or rawl plugs and screws or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.	
	"T" –iron frames	KG
17	Providing and fixing in position G.I. barbed wire (93.8gram/m) to concrete/ wooden/ angle iron posts (straight or diagonal) including securing and screwing with G.I. tying wire, G.I. stapples, G.I.U-nails or steel pins etc., complete(Cost of posts, struts to be paid for separately)	M
18	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.	
	Aperture 50x50mm	sqm
	Aperture 75x75mm	sqm
19	Providing and placing in position angle iron post and strut of required size including bottom to be split and bent at right angle in opposite direction for required length and drilling holes upto 10 mm dia as per requirement including priming coat with red oxide zinc chromate primer and placing the post/ strut in cement concrete block.	KG

20	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 to be paid for separately:		
	For fixed portion	KG	
	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).	KG	
21	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.		
	SS Grade 204	KG	
22	Providing and making 12mm thick cement plaster of mix:		
	In Cement Mortar 1:5 (1 cement : 5 fine sand)	sqm	
23	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)	sqm	
24	Providing corrugated G.I. sheet roofing including vertical/ curved surfaces fixed with galvanized iron, J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead including painting with primer and paint on overlapping of sheets complete excluding the cost of purlins rafters and trusses. (Zinc coating not less than 272 gms/sqm)		
	0.80 mm thick sheet (weight 7.03 kg/m ²)	SQM	
25	Supply and fixing of polymer precoated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	SQM	
26	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	

27	Providing and fixing chicken mesh weighting not less than 250 gms/ sqm as per IS : specification in the required width with 40mm 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.	sqm
28	Cement concrete flooring with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm) finished with a floating coat of neat cement.	
	50 mm thick	sqm
29	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	sqm
30	Chequerred precast cement concrete tiles 22mm thick in footpath & courtyard jointed with neat cement slurry mixed with pigment to match the shade of tile including cleaning of joint etc complete on 20 mm thick bed of cement mortar 1:4 (1 cement : 4 coarse sand) :	
	Light shade using white cement	sqm
31	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 sqm and above)	
	Granite stone black	sqm
	Granite stone lakha red/ shahi red	sqm
32	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 (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	sqm
	Granite stone lakha red/ shahi red	sqm
33	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 sqm and upto 0.50 sqm)	sqm
34	Extra for nosing in steps and treads of Kota stone slab.	M
35	25mm thick Local RAJIM/ Red Flag stone slab flooring laid over 20mm (Average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid over & jointed with grey cement slurry mixed with pigments to match the shade of the stone i/c grinding, rubbing and polishing.	sqm
36	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	

	Plain/ normal coloured precast interlock concrete block	sqm
	Pigment Coloured (rubber mould) precast interlock concrete blocks	sqm
37	15mm thick Marble stone tile flooring over 18mm (Average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including grinding rubbing and polishing etc. complete. (Area of tile should be 0.18 sqm and above)	
	Makrana white second quality.	sqm
38	Distempering with acrylic washable distemper to give an even shade.	
	On new work (Two or more coats)	sqm
	On old work (one or more coats)	sqm
39	Applying one coat of cement primer on wall surface (applied @ 0.80 litres/10 sqm) complete.	sqm
40	Wall painting with acrylic premium emulsion (plastic) paint of required shade to give an even shade.	
	On new work (two or more coats)	sqm
	On old work (one or more coats)	sqm
41	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
42	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 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	sqm
	On old work (One or more coats applied @ 0.83 ltr/ 10 sqm)	sqm
43	Painting exterior surface with TEXTURED 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 @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/ 10 sqm	sqm
	On old work (One or more coats applied @ 1.82 ltr/ 10 sqm)	sqm
44	Applying priming coat on steel work with red oxide zinc chromate primer.	sqm
45	Painting on new work (two or more coats) to give an even shade with:	
	Satin synthetic enamel paint	sqm
	Aluminium paint	sqm
46	Painting on old work (one or more coats) to give an even shade with:	
	Satin synthetic enamel paint	sqm
	Aluminium paint	sqm
47	Floor painting with superior quality enamel paint to give an even shade.	
	On new work (two or more coats)	sqm
	On old work (one or more coats)	sqm
48	Removing dry or oil bound distemper by scraping sand papering and preparing the surfaces smooth including necessary repair to scratches etc. complete.	sqm
49	Removing old paint or polish by paint remover or blow lamp or any other means as approved including preparing the surface smooth after removing the paint.	sqm
50	Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead.	
	In cement mortar.	cum

51	Dismantling doors chowkhats with shutters (steel or wood) including architrave, hold fast etc. complete and stacking within 50 metres lead.	EACH
52	Dismantling windows chowkhats with shutters (steel or wood) including architrave, hold fast etc. complete and stacking within 50 metres lead..	EACH
53	Dismantling lime/ cement plaster or skirting at any height raking out joints and cleaning the surface for plaster including disposal of rubbish within 50 metres lead.	sqm
54	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metre lead.	cum
56	Demolishing cement concrete including disposal of material within 50 metre lead.	
	1:3:6 or richer mix	cum
57	Repairs to plaster in patches of area 2.5 sq. metres and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls with cement mortar 1:4 (1 cement : 4 fine sand) complete including disposal of rubbish to the dumping ground within 50metres lead :	sqm
	Thickness upto 15mm	sqm
58	Fixing chowkhats in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts embedding hold fasts in cement concrete blocks with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) painting two coats of approved wood preservative to sides of chowkhats and making good the damages to walls and floors as required complete including disposal of rubbish to the dumping ground within 50 metres lead :	
	Door chowkhats	EACH
	Window chowkhats	EACH
59	Providing and fixing double scaffolding system (cup lock type) on the exterior side, upto seven story height made with 40mm dia. M.S. tube 1.5 m centre to centre horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-charge. The elevational area of the scaffolding shall be measured for payment purpose. The payment will be made once irrespective of duration of scaffolding. (To be used for maintenance work judiciously necessary deduction for scaffolding in the existing item to be done).	sqm
	Extra for mirror polishing on Kota/ Granite/ Marble flooring to give high gloss finish complete to the satisfaction of Engineer-in-Charge.	sqm
60	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 :	
	White Long pattern W.C. pan of size 580 mm	EACH

61	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 pedestal type	EACH	
62	Providing and fixing 10 litre capacity P.V.C. low level flushing cistern conforming to IS : 7231, with all fittings and fixtures complete.		
	White	EACH	
63	Providing and fixing ISI marked plastic seat with lid for pedestal type W.C. pan complete:		
	White/ black	EACH	
64	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 Size 550x400 mm	EACH	
65	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.	M	
	110 mm dia pipe.	M	
66	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 dia pipe.	EACH	
	110 mm dia pipe.	EACH	
67	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality:		
	Bib cock (350 grams)	EACH	
68	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & 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		
	25 mm nominal outer dia pipes	M	
	20 mm nominal outer dia pipes	M	
69	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	
70	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	
71	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	
72	Mixing earth and sludge or manure in proportion specified or directed.	CUM	

73	Grassing with 'Doob' grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for mowing including supplying good earth if needed (the good earth shall be paid for separately).		
	In rows 7.5 cm apart in either direction.	SQM	
74	Preparation of beds for hedging and shrubbery by excavating 60cm deep and trenching the excavated base to a further depth of 30cm, refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1 (8 parts of stacked volume of earth after reduction by 20% : one part of stacked volume of sludge or manure after reduction by 8%), flooding with water, filling with earth if necessary, watering and finally fine dressing, leveling etc. including stacking and disposal of materials declared unserviceable and surplus earth by spreading and leveling as directed, within a lead of 50m lift upto 1.5 m complete (cost of sludge, manure or extra earth to be paid for separately).	CUM	
75	Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio of 2:1 by volume (2 parts of stacked volume of earth after reduction by 20% : 1 part of stacked volume of manure after reduction by 8%) flooding with water, dressing including removal of rubbish and surplus earth, if any with all leads and lifts (cost of manure, sludge or extra good earth if needed to be paid for separately) :		
	Holes 60 cm dia, and 60 cm deep.	EACH	
76	Providing and fixing M.S. flat iron tree guard 60cm dia. and 2m height above ground level formed of 4 nos. 25x6mm and 8 nos. 25x3mm vertical M.S. flats riveted to 3 nos. 25x6mm M.S. flat iron rings in two halves, bolted together with 8mm dia. and 30mm long bolts including painting two coats with paint of approved brand and manufacture over a coat of priming, complete in all respects.	EACH	
77	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 :	M	
78	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	
79	Providing and planting following herbs in garden including preparation of soil, base plantation, providing and spreading different fertilizers, soil and sand:		
	Hedges like Alife, Dorenta, Tikoma etc	EACH	
	Furn like Arica, China etc (3 year old)	EACH	
	Hibiscus (Flower)/ Rose	EACH	
	Carpet grass (well developed)	EACH	

80	G.I Barbed wire Fencing 1.2 meter high (Providing and fixing 1.2 meters high GI barbed wire fencing with 1.8 m angle iron posts 40 mm x 40 mm x 6 mm placed every 3 meters center to center founded in M15 grade cement concrete, 0.6 meter below ground level, every 15th post, last but one end post and corner post shall be struted on both sides and end post on one side only and provided with 9 horizontal lines and 2 diagonals interwoven with horizontal wires, fixed with GI staples, turn buckles etc complete as per clause 808)	M
81	G.I Barbed wire Fencing 1.8 meter high (Providing and fixing 1.8 meters high GI barbed wire fencing with 2.4 m angle iron posts 50 mm x 50 mm x 6 mm placed every 3 meters center to center founded in M15 grade cement concrete, 0.6 meter below ground level, every 15th post, last but one end post and corner post shall be struted on both sides and end post on one side only and provided with 12 horizontal lines and 2 diagonals interwoven with horizontal wires, fixed with GI staples, turn buckles etc complete as per clause 808)	M
82	Tree Guard with MS Angle Iron and Steel Wire (Providing and fixing tree guard 0.60 meter square, 2.00 meter high fabricated with MS angle iron 30 x 30 x 3 mm, MS iron 25 x 3 mm at 100mm centre to centre and steel wire 3 mm dia. welded and fabricated as per design in two halves bolted together, fixed in ground with P.C.C M-10 of dimensions 150x150x200mm.)	EACH
83	Planting Permanent Hedges including Digging of Trenches (Planting permanent hedges including digging of trenches, 60 cm wide and 45 cm deep, refilling the excavated earth mixed with farmyard manure, supplied at the rate of 4.65 cum per 100 meters and supplying and planting hedge plants at 30 cm apart.)	M

Part - B Required Electrical Item for All Garden & Fountain

1	Supply & Fixing of Out Door fountain panel Contactor Rated 32Amp 3 Pole 440V with Axillary terminal Make – BCH, L&T, TC, Simance,	01 No
2	Supply & Fixing of Out Door fountain panel Contactor Rated 16Amp 4 Pole 440V with Axillary terminal Make – BCH, L&T, TC, Simance,	01 No
3	Supply & Fixing of Out Door fountain panel Contactor Rated 40Amp 4 Pole 440V with Axillary terminal Make – BCH, L&T, TC, Simance,	01 No
4	Supply & Fixing of Out Door fountain panel Contactor Rated 70Amp 4 Pole 440V with Axillary terminal Make – BCH, L&T, TC, Simance,	01 No
5	Supply & Fixing of Out Door fountain panel Contactor Rated ML95 4 Pole 440V with Axillary terminal Make – BCH, L&T, TC, Simance,	01 No
6	Supply & Fixing Axillary Contactor 16 Amp 4 pole 440V Make - BCH, L&T, TC, Simance	01 No
7	Supply & fixing of 2 NC 2 NO 12V/12Amp DC Relay	01 No
8	Supply & fixing of Over Current relay 3Pole 440V 0 to 16 Amp with fixing Connector Make - BCH, L&T, TC, Simance	01 No
9	Supply & fixing of Over Current relay 3Pole 440V 18 to 32 Amp with fixing Connector Make - BCH, L&T, TC, Simance	01 No
10	Supply & fixing of Over Current relay 3Pole 440V 16 to 28 Amp with fixing Connector Make - BCH, L&T, TC, Simance	01 No

11	Supply & fixing of Over Current relay 3Pole 440V 60 to 120 Amp with fixing Connector Make - BCH, L&T, TC, Simance	01 No
12	Supply & Fixing of digital timer 0 to 60 sec with connector & terminal Make - LS, Snyder, GIC	01 No
13	Supply & Fixing of Cycling Timer for Veb pool 0 to 10 Sec make L&T, GIC, BCH rated 220V 2NC 2NO Contract	01 No
14	Supply & Fixing of Sheet metal Clad double door with locking type arrangement panel box for fountain size - 300X400X250	01 No
15	Supply & Fixing of Incoming & Outgoing Terminal Rated 100Amp 440V epoxy casted	01 No
16	Supply & Fixing of Volt meter 0 to 500V Make - Cosmo, Esma, Key size - 96X96 MM	01 No
17	Supply & Fixing of suitable size Ampere meter 96X96 MM Make - Cosmo, Esma, Key	01 No
18	Supply & Fixing of selector switch 10Amp 440V/Amp Make - Cosmo, Esma, Key	01 No
19	Supply & Fixing of Current Transformer as per required Amp with Epoxy Casted	01 No
20	Supply & Fixing of LED Indicator lamp 220V RYB 3 Color	01 No
21	Supply & Fixing of 28 amp 220V veric coil for merry go round swing	01 No
22	Supply & Fixing of 40 Amp DC rectifier for merry go round	01 Set
23	Supply & Fixing of push button 2NO 2NC Make - L&T, BCH, GIC	01 No
24	Supply & Fixing of switch gear rated 400Amp 440V Make - Chawal, Orient, BCH	01 No
25	Supply & Fixing of switch gear rated 100Amp 440V Make - Chawal, Orient, BCH	01 No
26	Supply & Fixing of switch gear rated 250Amp 440V Make - Chawal, Orient, BCH	01 No
27	Supply & Fixing of switch gear rated 63Amp 440V Make - Chawal, Orient, BCH	01 No
28	Supply & Fixing of MCB 440V 16Amp with fixing box make - Lingrand, BCH, Snyder	01 No
29	Supply & Fixing of MCB 440V 32Amp with fixing box make - Lingrand, BCH, Snyder	01 No
30	Supply & Fixing of MCB 440V 63Amp with fixing box make - Lingrand, BCH, Snyder	01 No
31	Supply & Fixing of MCB 440V 100Amp with fixing box make - Lingrand, BCH, Snyder	01 No
32	Supply & Fixing of MCCB 440V 16Amp with fixing Terminal link with Shunt make - Lingrand, L&T, Snyder	01 No
33	Supply & Fixing of MCCB 440V 32Amp with fixing Terminal link with Shunt make - Lingrand, L&T, Snyder	01 No
34	Supply & Fixing of MCCB 440V 63Amp with fixing Terminal link with Shunt make - Lingrand, L&T, Snyder	01 No
35	Supply & Fixing of MCCB 440V 100Amp with fixing Terminal link with Shunt make - Lingrand, L&T, Snyder	01 No
36	Supply & Fixing of MCCB 440V 200Amp with fixing Terminal link with Shunt make - Lingrand, L&T, Snyder	01 No
37	Supply & Fixing of MCCB 440V 400Amp with fixing Terminal link with Shunt make - Lingrand, L&T, Snyder	01 No

38	Supply & Fixing of HRC fuse with porcline tubler fuse with beacalight base Rated 16 Amp 440V make – L&T, GIC, BCH	01 No
39	Supply & Fixing of IIRC fuse with porcline tubler fuse with beacalight base Rated 32Amp 440V make – L&T, GIC, BCH	01 No
40	Supply & Fixing of HRC fuse with porcline tubler fuse with beacalight base Rated 63 Amp 440V make – L&T, GIC, BCH	01 No
41	Supply & Fixing of IIRC fuse with porcline tubler fuse with beacalight base Rated 100 Amp 440V make – L&T, GIC, BCH	01 No
42	Supply & fixing of SFU 440V 4Pole 100Amp with neutral link panel mounting rotary drive Make – L&T, BCH, Simence	01 No
43	Supply & fixing of SFU 440V 4Pole 200Amp with neutral link panel mounting rotary drive Make – L&T, BCH, Simence	01 No
44	Supply & fixing of SFU 440V 4Pole 400Amp with neutral link panel mounting rotary drive Make – L&T, BCH, Simence	01 No
45	Supply & Fixing of fountain LED light 50W 220V water tite fitting with slik cast aluminum cover IP 65 heat proof glass Make – Oreva, Syska, Orient	01 No
46	Supply & Fixing of fountain LED light 90W 220V water tite fitting with slik cast aluminum cover IP 65 heat proof glass Make – Oreva, Syska, Orient	01 No
47	Supply & Fixing of fountain LED light 35W 220V water tite fitting with slik cast aluminum cover IP 65 heat proof glass Make – Oreva, Syska, Orient	01 No
48	Supply & Fixing of fountain LED light 20W 220V water tite fitting with slik cast aluminum cover IP 65 heat proof glass Make – Oreva, Syska, Orient	01 No
49	Supply & Fixing of fountain LED light 09W 220V water tite fitting with slik cast aluminum cover IP 65 heat proof glass Make – Oreva, Syska, Orient	01 No
50	Supply & Fixing of Different color juno high mast LED light rated 50W with fixture Make – Oreva, Syska, Orient	01 No
51	Supply & Fixing of Different color juno high mast LED light rated 90W with fixture Make – Oreva, Syska, Orient	01 No
52	Supply & Fixing of Different color juno high mast LED light rated 35W with fixture Make – Oreva, Syska, Orient	01 No
53	Supply & Fixing of Decorative different color LED flower tree Rated 220V 10Fit High 10Ruf	01 No

Part - C Required Supply & Laying of Cable Wire for All Garden & Fountai

1	Supply & Laying of 4 Core 4 Sqmm water proof 1100V grad ISI make copper multi cable with Excavation of cable trench laying, flinging with labor charges Make – Gloster, Policab, Finlox	1 Mtr
2	Supply & Laying of 4 Core 6 Sqmm water proof 1100V grad ISI make copper multi cable with Excavation of cable trench laying, flinging with labor charges Make – Gloster, Policab, Finlox	1 Mtr
3	Supply & Laying of 4 Core 2.5 Sqmm water proof 1100V grad ISI make copper multi cable with Excavation of cable trench laying, flinging with labor charges Make – Gloster, Policab, Finlox	1 Mtr
4	Supply & Laying of 3 Core 4 Sqmm water proof 1100V grad ISI make Submersible copper multi cable with Excavation of cable trench laying, flinging with labor charges Make – Gloster, Policab, Finlox	1 Mtr

5	Supply & Laying of 3 Core 6 Sqmm water proof 1100V grad ISI make Submersible copper multi cable with Excavation of cable trench laying, flinging with labor charges Make – Gloster, Policab, Finlox	1 Mtr
6	Supply & cable Laying of PVC insulated PVC sheathed steel aromer 4 core 1100V grad ISI make Aluminum power cable with completed Excavation of cable trench laying, flinging with labor charge Make - Gloster, Policab, HPL	
a.	400Sqmm 4 Core	1 Mtr
b.	300Sqmm 4 Core	1 Mtr
c.	240Sqmm 4 Core	1 Mtr
d.	75Sqmm 4 Core	1 Mtr
e.	35Sqmm 4 Core	1 Mtr
d.	16Sqmm 4 Core	1Mtr
7	Supply & fixing of Cable Termination Box	01 No
8	Supply & Cable Termination end	
a.	400Sqmm Aluminum Luges	01 No
b.	240Sqmm Aluminum Luges	01 No
c.	300Sqmm Aluminum Luges	01 No
d.	75 Sqmm Aluminum Luges	01 No
e.	16 Sqmm Aluminum Luges	01 No
Part - D Required Supply & Fixing Heard Wear Item for All Garden & Founta		
1	Supply & Fixing of Pneumatic Cylinder 12PCI Double Stock for Veb Pool air ducting gate Make – Iner Pack, Usha, Jainson	01 No
2	Supply & Fixing of air Hose Size – 3/8 PVC Flexible Pipe	1 Mtr
3	Supply & Fixing of air distributor solenoid gate vale 220V Make – Usha, Primer	01 No
4	Supply & Fixing of Fountain Brass Nozzle Size 3/8	01 No
a.	Size ½ Inch	01 No
b.	Size – 200 X 75MM X 70MM	01 No
c.	Finger Nozzle 50 Way Springaler Tips brass metal	01 No
d.	Drum Nozzle 100 Way Springaler Tips brass metal	01 No
e.	Fog Nozzle	01 No
5	Supply & Fixing of Brass Casted gate vale size – ½ Inch Heavy Duty	01 No
6	Supply & Fixing of Brass Casted gate vale size – 2 Inch Heavy Duty	01 No
7	Supply & Fixing of Brass Casted gate vale size – 3 Inch Heavy Duty	01 No
8	Supply & Fixing of GI Socket Size – ½ inch, 2 inch, 3 inch	01 No
9	Supply & Fixing of GI Flange Size - ½ inch, 2 inch, 3 inch	01 No
10	Supply & Fixing of Hose pipe Size - ½ inch, 2 inch, 3 inch with Fixing Clamp & Hose Nipple	01 No
11	Supply & Fabrication of Steel jail Box with angle frame & SS jail	1 Job
12	Supply & Fabrication of Steel water distribution drum with cutting, welding, & Machining with labor charges	1 Job
13	Supply & Replacement of Old damage GI Pipe of all Fountain with Cutting, Welding & Bending with Labor charges	1 Fit
14	Clearing of Per fountain with Labor charges	01 No
15	Supply & fixing of Solenoid Brass Gate vale 220V for musical fountain	01 No
Part - E Repairing of Playing Equipment for All Garden		
1	Slider repairing of damage Glass Fiver panel	01 Fit
2	Repairing of water slider Damage Panel with leakage Element	01 Fit
3	Saw repairing with Cutting, welding of GI Pipe with Labor Charges	01 No

4	Painting of Any Equipment as Required Color & paint with Labor Charges	01 Fit
5	Garden Chair made of cast Iron	01 No
6	Garden Chair made of SS Steel	01 No

Part - F Required Electronic Equipment for All Garden


1	Supply & fixing of 50W 10 inch Speaker Make – Ahuja, Sonex	01 No
2	Supply & fixing of Sound box Double Boom Speaker with tuter 5000W Make – Ahuja, Sonex	01 No
3	Supply & fixing of Amplifier Unit Make – Ahuja, Sonex	01 No
4	Supply & fixing of Musical Equalizer 10 Way 220V for Musical fountain Make – Primer,	01 No
5	Supply & fixing of Musical DJ System with sound Box & required Equipment	1 Set


Part - G Required Electrical Motor Pump Repairing & Rewinding Work for All Foun


1	Rewinding of 2HP Mono Block Suction Motor Pump replacement of Bush, Bearing & Oil seal	01 No
2	Rewinding of 5HP 440V Open well submersible mono block pump motor with replacement Bush & Oil seal	01 No
3	Rewinding of 7.5HP 440V Open well submersible mono block pump motor with replacement Bush & Oil seal	01 No
4	Rewinding of 10HP 440V Open well submersible mono block pump motor with replacement Bush & Oil seal	01 No
5	Rewinding of 5HP 440V submersible pump motor with replacement Bush, Oil seal & ampler	01 No
6	Rewinding of 7.5HP 440V submersible pump motor with replacement Bush, Oil seal & ampler	01 No
7	Rewinding of 10HP 440V submersible pump motor with replacement Bush, Oil seal & ampler	01 No
8	Rewinding of 15HP 440V submersible pump motor with replacement Bush, Oil seal & ampler	01 No

Part - F 2-D & 3-D Painting work All Fountain & Garden

1	2- D	Sqm
2	3-D	Sqm


 Sub Engineer
 Municipal Corporation
 Korba (C.G.)


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


 Executive Engineer
 Municipal Corporation
 Korba (C.G.)