

कार्यालय, नगर पालिक निगम, कोरबा (छत्तीसगढ़)

फा.क्र.147 / निर्माण / 2023

सिस्टम टेंडर नं. 132398

कोरबा दिनांक 26.04.2023

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 कार्य 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 निविदाएं आमंत्रित की जाती है :-

क्र.	कार्य का नाम	प्राक्कलन राशि (लाख में)	धरोहर राशि	कार्यावधि	ठेकेदार का वर्ग	निविदा खुलने की तिथि
1	नगर पालिक निगम, कोरबा क्षेत्रांतर्गत वार्ड क्र 14 पम्पहाउस नन्दीस्वान में महात्मा गांधी अर्बन इण्डस्ट्रियल पार्क अंतर्गत शेड निर्माण, पेव्म ब्लॉक, विद्युतीकरण, जल प्रदाय एवं अन्य आवश्यक कार्य	99.26	75000/-	08 माह	वर्ग डी एव प्रवर श्रेणी	19.05.2023 से

शर्तें:-

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 उन्हें निविदा भरने की पात्रता नहीं होगी।
3. निविदाकार एवं निर्माता को विगत 03 वर्षों राशि रु. 1.80 लाख का औसत टर्नओवर होना आवश्यक है।
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।
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. 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 स्कैन कर अपलोड करना 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 1 प्रतिशत उपकर के रूप में प्रत्येक देयक से कटौती की जावेगी।
8. ईट से संबंधित निर्माण कार्यों में फ्लाइ ईश ब्रिक 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 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।
11. निविदा अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नहीं किया जावेगा।
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।

कार्यपालक अभियंता
नगर पालिक निगम
कोरबा (छत्तीसगढ़)

प्रतिलिपि-

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

Date-Time Detail(s)

Seq. No.	Nagar Nigam Stage	Contractor Stage	Start		Expiry		Remarks
			Date	Time	Date	Time	
1	Release Tender		26.04.2023	18.00	26.04.2023	10.30	Release Tender
2		Bid Submission	26.04.2023	10.30	18.05.2023	17.30	
3	Tender Open		19.05.2023	10.30	--	--	


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

**DETAILED ESTIMATE FOR PROPOSED DEVELOPMENT OF NANDI SWAN UNDER UIPA PROJECT
AT MUNICIPAL CORPORATION KORBA (C.G.)**

BOQ

S.No.	PARTICULAR	QTY.	UNIT
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. 1.1.1) In all types of soil (BUILDING SOR ITEM NO.-1.1.1/9)	211.68	CUM
2	Carriage by mechanical transport upto 5 km lead: 1.26.1 Earth (BUILDING SOR ITEM NO.-1.26/12)	211.68	CUM
3	Pumping out water caused by springs tidal or river seepage, broken water main or drains and like during Excavation or during Excavation and laying of base concrete (volume to be calculated taking height from water level to bottom of pit and to be measured and paid) . (BUILDING SOR ITEM NO.-1.10/10)	63.50	CUM
4	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete. (BUILDING SOR. ITEM NO.-1.18/11)	1003.77	CUM
5	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). (BUILDING SOR. ITEM NO.- 3.1.3/23)	303.61	CUM
6	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). (BUILDING SOR ITEM NO.- 3.2/23)	70.98	CUM
7	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete: Thermo-Mechanically treated bars FE 415 (BUILDING SOR. ITEM NO.-3.12.1/24)	7098.29	KG
8	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 2.1.1 Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level. (BUILDING SOR ITEM NO.- 2.1.1/16)	411.79	SQ.M
9	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 2.1.8 Beams, lintels, Cantilevers & Walls. (BUILDING SOR ITEM NO.- 2.1.8/16)	244.74	SQ.M
10	Providing and laying damp proof course (upto 50mm thick) with plain cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded crushed stone aggregate 20mm nominal size) including formwork. (BUILDING SOR ITEM NO.- 3.13/24)	4.89	CUM
11	Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to IS:12894-2002 of class designation 40 in foundation and plinth in: Cement Mortar 1:6 (1 cement : 6 coarse sand) (BUILDING SOR ITEM NO.- 7.5.4/45)	44.26	CUM
12	Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to IS:12894-2002 of class designation 40 in foundation and plinth in: Cement Mortar 1:6 (1 cement : 6 coarse sand) Extra for brick work in superstructure Above plinth level for every floor or part thereof in addition to rate for foundation and plinth: (BUILDING SOR. ITEM NO.- 7.6/45)	252.72	CUM
13	Providing and making 12mm.thick cement plaster of mix : In Cement Mortar 1:6 (1 Cement : 6 fine Sand) (BUILDING SOR. ITEM NO.-11.2/103)	1362.15	SQ.M
14	Providing and making 15mm.thick cement plaster on the rough side of single or half brickwall of mix. In Cement Mortar 1:6 (1 cement : 6 fine sand) (BUILDING SOR. ITEM NO.-11.3/103)	1482.45	SQ.M

S.No.	PARTICULAR	QTY.	UNIT
15	Providing and fixing in position doors, windows and ventilators frames made of cold rolled pressed steel sheet framed profiles made from commercial M.S. Sheets conforming to I.S. 513 of 1973 and as per general specifications of I.S 4351 including hinges jamb, lock jamb, steel butt hinges, base tie, joints mitred and welded with 10cm long legs of size 15x3mm M.S. flat, embedded in cement concrete blocks 15x10x10cm size of grade M-10 or rawl plugs and screws or with fixing clips or with bolts and nuts including neatly compacted filling M-10 cement concrete in profile section applying a priming coat of red oxide zinc chromate primer. 9.18.3 Single rebate/ mullion 100mmx50mm size, 1.25mm thick sheet.		
	(BUILDING SOR ITEM NO.-9.18/81)	84.00	METER
16	Providing and fixing flush door shutters, conforming to IS : 2202 (Part-I), decorative type core of block board construction with frame of first class hard wood and well matched teak ply veneering with vertical grains or cross bands and face veneers on both faces of shutters excluding hinges.8.12.3 30 mm. thick (single leaf)		
	(BUILDING SOR. ITEM NO.-8.12.2/56)	26.46	SQ.M
17	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.		
	(BUILDING SOR ITEM NO.-9.15/81)	2250.00	KG
18	Providing and fixing antique/ SS finished brass sliding door bolt with necessary bolts, nuts and antique/ SS polished MS screw complete: 8.79.2 250 x 16mm		
	(BUILDING SOR ITEM NO.8.79/64)	28.00	EACH
19	Providing and fixing antique/ SS finished brass tower bolts (Barrel type) with antique/ SS polished MS screw complete: 250 x10 mm		
	(BUILDING SOR ITEM NO.8.81/64)	28.00	EACH
20	Providing and fixing 150mm antique/ S.S. finished brass floor door stopper with rubber cushion and antique/ S.S. polished MS screws to suit the shutter thickness.		
	(BUILDING SOR ITEM NO.-8.90/65)	28.00	EACH
21	Providing and fixing antique/ SS finished brass handles with antique/ SS polished MS screw complete: 125 mm		
	(BUILDING SOR ITEM NO.-8.84/65)	56.00	EACH
22	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. 12.3.2- 50 mm thick		
	(BUILDING SOR ITEM NO.12.3.2/111)	1737.61	SQ.M
23	Providing and applying 2mm thick ready mix exterior grade putty (manufactured with cow dung processing) on walls to make the surface smooth and even. As per Inner , outer plastering		
	(BUILDING AMMENDMENT SOR ITEM NO.-14.51)	2844.60	SQ.M
24	Wall painting with premium emulsion (plastic) paint manufactured with the cow dung processing emulsion paint of required shade to give an even shade.		
	14.49.1 On new work (Two or more coats) (BUILDING AMMENDMENT SOR ITEM NO.-14.49)	1733.46	SQ.M
25	14.50 Painting exterior surface with SMOOTH exterior emulsion paint manufacturerd with the cow dung processing to give pro specifications to give protective and decorative finish including cleaning washing of surface etc.		
	14.50.1 On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over. (BUILDING AMMENDMENT SOR ITEM NO.-14.50)	906.06	SQ.M
26	Painting on new work (two or more coats) to give an even shade with 14.22.2 Premium synthetic enamel paint (BUILDING SOR. ITEM NO.-14.22.2/134)		
		115.00	SQM
27	Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer. 9.3.1 Electric resistance or induction butt welded tubes Grade-300		
	(BUILDING SOR. ITEM NO.-9.3.2/80)	24001.00	KG

S.No.	PARTICULAR	QTY.	UNIT
28	Providing and fixing 15 cm. wide 45cm. overall semi circular plain G.I. sheet gutter with iron brackets 40x3 mm size, bolts, nuts and washers etc. including making necessary connections with rain water pipe complete as per designs. 10.9.2 0.63 mm thick sheet		
	(BUILDING SOR. ITEM NO.-10.9/91)	323.36	MTR
29	10.12 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.		
	(BUILDING SOR. ITEM NO.- 10.12/91)	2211.43	SQ.M
30	12.65 Providing & laying 60mm thick precast interlocking concrete blocks of approved size (approx 305 sqcm) and shape/ pattern, over 40 mm thick average complete coarse sand bed with joints of 3mm thick filled by fine sand including leveling with surface vibrator, temping and sweeping etc. complete of minimum compressive strength of 250 kg/sq.cm 12.65.2 Pigment Coloured (rubber mould) precast interlock concrete blocks		
	(BUILDING SOR ITEM NO.-12.65.2/120)	1148.48	SQ.M
31	2.1 Wiring for light/ fan/ exhaust fan / call bell point with 3x1.5 sqmm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in surface FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) with 5/6 amp piano type switch, phenolic laminated sheet, suitable size M.S. box etc as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)		
	2.1.1 1.1 Short Point	10.0	Point
	2.1.2 Medium Point	60.0	Point
	2.1.3 Long Point	10.0	Point
32	2.2 Wiring for twin control light point with 3x1.5 sqmm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) with 5/6	14.0	Point
33	2.11 Wiring for power plug point with 3x4 sq mm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in surface FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) along with modular type 16 Amp switch and 6 pin 16 amps socket outlet with modular base and cover plate, suitable size G.I. box,		
	2.11.3 Long Point	10.0	Point
	2.11.4 Extra Long Point I	10.0	Point
	2.11.5 Extra Long Point II	15.0	Point
34	2.12 Wiring for power plug point with 3x6 sq mm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in surface FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) along with modular type 32 Amp SPMCB "C" curve and 3 pin 20 amps socket outlet with modular base and cover plate, suitable size G.I. box, earthing the switch box and socket outlet with same size wire etc. as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)		
	2.12.3 Long Point	5.0	Point
	2.12.4 Extra Long Point I	5.0	Point
35	2.13 Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, wire in surface FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) etc as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)		
	2.13.1 3 X 1.5 sq. mm in 20mm conduit	400.0	Metre
	2.13.14 6 X 10 sq. mm in 40mm conduit	30.0	Metre
36	3.11 Supplying and drawing following sizes of FRLS PVC insulated copper conductor, multi strand wire in the existing surface/ concealed, FRLS PVC conduit / PVC casing capping as per specification and IS: 694 (2010)		
	3.11.38 5 x 16 sq. mm	20.0	Metre
37	6.1 Supplying, installation, testing and commissioning of following sizes ceiling fan including wiring the down rods of standard length up to 30 cm with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, earthing etc. complete as required. P.F. should be greater than 0.9, with BEE Star rating from 3 star and above, IS: 374:2019 including all amendments.		
	6.1.3 1200 mm sweep fan	42.0	each

S.No.	PARTICULAR	QTY.	UNIT
38	6.19 Supplying, installation, testing and commissioning of following LED tube light fitting including batten with Electronic Driver Heat sink Capacitor complete with all other accessories on surface/ in false ceiling, including connection, earthing etc complete as per specification and IP20, P.F. should be greater than 0.9. LED chip efficacy ratio ≥ 100 lumens /watt.		
	6.19.4 36 watt {4 feet}	84.0	Each
39	6.28 Supplying, installation, testing and commissioning of following 230/250 volts LED street light fitting with all accessories like driver, heat sink made of die cast aluminium with IP 66 protection and 15 KV surge protection on pole bracket, including connection, earthing, Separate housing for driver etc complete as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio ≥ 120 lumens /watt.		
	6.28.4 30 watt	10.0	Each
40	6.48 Numbering of ceiling fan/ exhaust fan/ fluorescent fittings as per specification.	80.0	Each
41	7.19 Fabrication, supply, installation, testing and commissioning of cubicle type compartmentalized wall/ floor mounted power cum control panel board of specified size and following depth made out of not less than 2 mm thick CRCA MS powder coated sheet with suitable size compartments for bus bars, switchgears and necessary cutouts for voltmeters, ammeters etc as per specifications including powder coating painting but without busbars, switchgears and other accessories etc complete as per specification.		
	7.19.1 Upto 300 mm deep	2.3	sqm
42	7.20 Supply, installation, testing and commissioning of 4 pole (3 phase + neutral) aluminium bus bars in existing cubicle type compartmentalized wall/ floor mounted panel board along with suitable size and shape insulators, necessary bolts and nuts etc complete as per specification.		
	7.20.2 200 amp (30x5mm)	3.0	Metre
43	9.1 Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as per specification, IS/ IEC: 60947-2 and Ics = 100 % Icu.		
	9.1.1 3 pole MCCB, 25-63A, Fixed Thermal Release, 10KA	4.0	Each
	9.1.4 3 pole MCCB, 100A, Adjustable Thermal - Magnetic Release, 25KA	1.0	Each
44	9.8 Supplying and fixing on surface/ recess prewired horizontal type following way, 415 volts TP&N, MCB distribution board of sheet steel phosphatized and powder painted complete complete with loose wire box, terminal blocks, tinned copper busbar, neutral link, earth bar, din bar, detachable gland plate, duly prewired with suitable size FRLS PVC insulated copper conductor up to terminal blocks including interconnections, earthing etc. as per specification. (But without MCB/ RCCB/ Isolator)		
	9.8.1 4 way (4 + 12), Single door	2.0	Each
45	9.10 Supplying and fixing SP MCB, 240 volts, 'B' curve, suitable for lighting and other loads in the existing MCB DB complete with connections, testing and commissioning etc. as per specification.		
	9.10.1 6 amps to 32 amps	24.0	Each
46	9.16 Supplying and fixing TP&N MCB, 440 volts, 'C' curve, suitable for lighting and other loads in the existing MCB DB complete with connections, testing and commissioning etc. as per specification.		
	9.16.3 40 amps	2.0	Each
47	9.22 Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as per specification.		
	9.22.2 40 amps	2.0	Each
48	10.6 Providing and fixing metal clad, 4 pole, on load change over switch unit (without sheet steel enclosure), 415/500 volts, in cubicle panel including drilling holes on the board, connections, earthing the body, testing and commissioning etc. as per specification. (Connecting lead if required shall be paid separately)		
	10.6.2 100 amps	1.0	Each
49	10.15 Providing and fixing following rating current transformer in existing cubical panel including, connections, testing and commissioning etc. as per specification.		
	10.15.2 100/5 amps	3.0	Each
50	10.17 Providing and fixing penal mounting 230 volt LED type indicating lamp in existing cubical panel including, connections, testing and commissioning etc. as per specification.	18.0	Each
51	10.19 Providing and fixing penal mounting digital type ammeter of size 100x100 (NS) in existing cubical panel including, connections, testing and commissioning etc. as per specification	1.0	Each
52	10.20 Providing and fixing penal mounting 0-500 volt voltmeter of size 100x100 (NS) in existing cubical panel including, connections, testing and commissioning etc. as per specification.		
	10.20.2 Digital type	1.0	Each
53	10.21 Providing and fixing penal mounting selector switch in existing cubical panel including, connections, testing and commissioning etc. as per specification.		

S.No.	PARTICULAR	QTY.	UNIT
	10.21.1 For voltmeter	1.0	Each
	10.21.2 For ammeter	1.0	Each
54	12.12 Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including soldering, excavation and refilling the trench etc. as per specification.	20.0	Metre
55	12.14 Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode at 0.5 Metre depth below ground level including excavation and refilling the trench etc. as per specification.	20.0	Metre
56	12.19 Providing maintenance free earthing with following size GI pipe including making bore pit of minimum 150mm dia, providing and laying approved make Earthing Electrode of Pipe-in-Pipe technology as per IS 3043(R 2016) - 1987 made of corrosion free G.I. Pipes having outer pipe of 80mm dia and inner pipe of 50mm dia and filling with specified qty highly conductive compound around pipe and above that with soft soil in bore pit complete and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. as per specification:		
	12.19.1 With 3 metre long GI Pipes and 50 kg back filling compound.	2.0	Each
57	14.1 Supplying and laying ISI marked double wall HDPE pipe (IS 14930 Part II) having corrugation on the outer wall and plan surface on inner wall in ground below road, path etc at a depth not less than 40 cm and upto 90 cm including excavation, dismantling of road if required and refilling the trench with excavated material, ramming and making the surface good etc. as per specification.		
	14.1.1 63 mm outer dia and 50 mm Inner dia	50.0	Metre
58	15.3 Supplying and laying following sizes one number FRLS PVC insulated /XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade in existing RCC/ HUME/ STONEWARE/ METAL/ HDPE pipe as per specification, IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1).		
	15.3.22 4 x 10 sq. mm.	50.0	Metre
59	15.23 Supplying and making end termination with brass compression gland and aluminum lugs for following size armoured aluminum conductor power cable of 1.1 KV grade as per specification. .		
	15.23.23 4 X 10 sq. mm (22 mm)	8.0	Each
60	19.15 Supplying and fixing of 32mm dia x 2 metre long G.I pipe (light) bracket for mounting street light fittings of all types on poles including bending the pipe to the required shape, 2 Nos 40x3mm flat iron clamps with bolts and nuts including wiring with 1.5 sq. mm W.P /PVC wire etc. as per specification.		
	LED Street Light 30W	10.0	Each
61	26.17.1 Supply and erecting of following ISI marked Fire extinguishers on wall/ column including erecting bracket etc complete. ABC Fire Extinguisher 9KG Nitrogen Store Pressure As per IS: 15683:2018 Body Sheet Not Less Than 2mm Thickness, CE Mark NRV Valve With ABC Powder 90% UL 299 FIRE RATING: 6A, 144B. With all accessories.	14.0	Each
62	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. 1.1.1) In all types of soil		
	(BUILDING SOR ITEM NO.-1.1.1 /9)	36.00	CUM
63	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.		
	(BUILDING SOR ITEM NO.-1.17/11)	36.00	CUM
64	Providing and laying in trenches G.I. pipes medium class complete with G.I. fittings including excavation of trenches, refilling the same and testing of joints complete: 19.9.6) 50 mm dia. nominal bore	150.00	MTR
65	19.6 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 19.6.2 20 mm nominal outer dia pipes		
	(BUILDING SOR ITEM NO.- 19.9/177)	100.00	MTR
65	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) (BUILDING SOR ITEM NO.- 19.10/178)		
	19.10.4) 50 mm dia. nominal bore	30.00	EACH
	19.10.1 25 mm nominal bore	30.00	EACH
66	Providing and fixing G.I. Union in G.I. pipe (New work) including cutting and threading the pipe and making long screws etc. complete: (BUILDING SOR ITEM NO.- 19.11/178)		
	19.11.6) 50 mm dia. nominal bore	30.00	EACH
	19.11.2 20 mm nominal bore	30.00	EACH

S.No.	PARTICULAR	QTY.	UNIT
67	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end): (BUILDING SOR ITEM NO.- 19.16/179)		
	19.16.4 50 mm nominal bore	8.00	EACH
	19.16.1 25 mm nominal bore	8.00	EACH
	19.14.1 Bib cock (400 grams)	14.00	EACH
	19.14.6 Stop cock (concealed) (600 grams)	14.00	EACH
68	Constructing masonry Chamber 60x60x75 cm, inside with modular well burnt clay bricks of 35 kg/ cm ² in cement mortar 1:4 (1 cement : 4 coarse sand) for 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 : For 65mm to 100mm valve- (BUILDING SOR ITEM NO.- 19.48/184)	10.00	EACH