

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

फा.क./निर्माण / 2020/8511

सिस्टम टेन्डर नं. 58968
ई-निविदा आमंत्रण सूचना

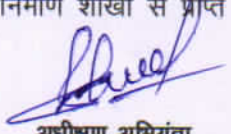
कोरबा, दिनांक 07/02/2020

लोक निर्माण विभाग से एकीकृत पंजीयन प्रणाली अंतर्गत सक्षम श्रेणी में पंजीकृत ठेकेदारों से निम्नलिखित कार्यों हेतु प्रमुख अभियन्ता लोक निर्माण विभाग, रायपुर द्वारा (भवन) दिनांक 01.01.2015, (विद्युत) दिनांक 01.08.2015 से प्रभावशील दर पर (निविदा खुलने के दिनांक तक समस्त संशोधनों के साथ) कम अधिक या समान दरों पर तथा शेड्यूल अनुसार प्रतिशत दरो पर निम्नलिखित निर्माण कार्य हेतु ऑनलाईन ई-निविदा आमंत्रित की जाती है :-

क्र.	कार्य का नाम	प्राक्कलन राशि लाख में	धरोहर राशि रु में	कार्यावधि	ठेकेदार का वर्ग	निविदा खुलने की अंतिम तिथि
1	वार्ड क 56 डगनियाखार में गार्डन का निर्माण कार्य	24.70	18550/-	04 माह	वर्ग डी एवं प्रवर श्रेणी	29.02.2020 से

शर्त:-

- निविदा दरे प्रचलित सी.एस.आर.से कम या अधिक प्रतिशत दरों पर दिया जावे सी.एस.आर.के अंतर्गत के आयटमों पर पृथक से आयटम दरों का उल्लेख करने पर निविदा निरस्त मानी जावेगी।
- जिन ठेकेदारों द्वारा नगर पालिक निगम (साडा) के किसी ठेके के कार्य में अनुबंध के अनुरूप कार्य न किया गया हो अथवा नगर पालिक निगम (साडा) के हित के विरुद्ध कार्य किया गया हो उन्हें निविदा भरने की पात्रता नहीं होगी।
- इच्छुक ठेकेदारों को उचित वर्ग में पंजीयन की प्रमाणित प्रतिलिपि यदि साझेदारी फर्म हो तो उसका प्रमाण पत्र (पार्टनरशीप डीड) की सत्य प्रतिलिपि, पूर्व में इस प्रकार के किये गये कार्यों की प्रमाणित सूची, उपलब्ध तकनीकी अमले की जानकारी, आयकर प्रमाण पत्र/पेन नम्बर, **जी.एस.टी.** पंजीयन प्रमाण पत्र एवं अमानत राशि ऑनलाईन जमा करना अनिवार्य होगा, प्रशिक्षित यंत्री एवं उद्यानिकी में स्नातक नियुक्त करने संबंधी प्रमाण पत्र, कर्मचारी भविष्य निधि रायपुर से पंजीकरण का कोड एवं धरोहर राशि का **स्कैन कापी ऑन लाईन सिस्टम पर अपलोड करना अनिवार्य होगा।**
- निविदाकार का विगत तीन वित्तीय वर्षों में किसी भी वित्तीय वर्ष में इस प्रकार के कार्य के 40 प्रतिशत प्राक्कलन राशि अथवा अधिक का कार्य सम्पादन का अनुभव अनिवार्य है। कार्यपालन अभियंता एवं उच्च अधिकारी से जारी प्रमाण पत्र ही मान्य होगा। अनुभव प्रमाण पत्र किसी शासकीय विभाग द्वारा अथवा किसी शासकीय उपक्रम/संस्था द्वारा जारी होना चाहिए।
- सम्पूर्ण किये गये कार्यों के लिए प्रत्येक चल देयकों में से 5 प्रतिशत सुरक्षा राशि 01 वर्ष के लिए एवं 5 प्रतिशत परफार्मेंस सिक्यूरिटी की गारंटी के रूप में से 03 वर्ष के लिए रोकी जावेगी।
- जिन निविदाकारों द्वारा कर्मचारी भविष्य निधि संगठन एवं कर्मचारी राज्य बीमा निगम, रायपुर से पंजीयन कराकर कोड प्राप्त कर लिया हो वे निविदाकार ही निविदा हेतु पात्र होंगे।
- निविदाकार को प्रत्येक निविदा में पंजीयन क्षमता के अंतर्गत वर्तमान में नगर निगम या अन्य विभागों में उनके द्वारा किये जा रहे कार्यों का विवरण राशि सहित मूलप्रति में वैध शपथपत्र देना अनिवार्य होगा।
- निविदा में भाग लेने वाले ठेकेदारों को छ.ग. भवन और अन्य सन्निर्माण कर्मकार (नियोजन एवं सेवा शर्तों का विनियमन) अधिनियम 1996 एवं तदंतर्गत निर्धारित नियमों के तहत पंजीयन कराना आवश्यक होगा तथा निर्माण लागत का **1 प्रतिशत उपकर** के रूप में प्रत्येक देयक से कटौती की जावेगी।
- ईट से संबंधित निर्माण कार्यों में फ्लाइ ईश ब्रिक का उपयोग किया जाना अनिवार्य होगा।
- प्रयुक्त लोहा का बिल एवं टेस्ट रिपोर्ट तथा प्रयुक्त सीमेंट का बिल संलग्न करना अनिवार्य होगा।
- निविदा दरों असामान्य कमी प्रतीत होने पर सफल निविदा दाता से अनुबंध के पूर्व एस.ओ.आर. एवं निविदा दर की अंतर की राशि के समतुल्य परफार्मेंस गारंटी के रूप में राष्ट्रीयकृत बैंक एफ.डी.आर., पोस्ट ऑफिस, टाईम डिपॉजिट अथवा एन.एस.सी. जो कि आयुक्त नगर पालिक निगम, कोरबा के नाम पर देय होगा जो मांग तिथि से **15 दिवस** के भीतर जमा करना अनिवार्य होगा। उपरोक्त राशि समयावधि में जमा न करने की दशा में निविदा स्वमेव निरस्त मानी जावेगी।
- निविदा अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नहीं किया जावेगा।
- निविदा के संबंध में किसी प्रकार की विवाद होने की स्थिति में आयुक्त का निर्णय अंतिम एवं सर्वमान्य होगा।
- निविदा स्वीकृत करने अथवा अस्वीकृत करने अथवा निरस्त करने का अधिकार नगर पालिक निगम के पास सुरक्षित रहेगा।
- उपरोक्त निविदा सूचना की विस्तृत प्रति नगर पालिक निगम, कोरबा के साकेत भवन स्थित निर्माण शाखा से प्राप्त किये जा सकते हैं।


अधीक्षण अभियंता
नगर पालिक निगम
कोरबा (छत्तीसगढ़)

Date-Time Detail(s)

Seq. No.	Nagar Nigam Stage	Contractor Stage	Start		Expiry		Remarks
			Date	Time	Date	Time	
1	Release Tender		07.02.20	10.30	07.02.20	10.30	Release Tender
2		Bid Submission	07.02.20	10.30	28.02.20	17.30	
3	Tender Open		29.02.20	10.30	--	--	


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

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

ABSTRACT

**FOR THE CONSTRUCTION OF GARDEN AT WARD NO 56 DAGANIYAKHAR
KORBA (C.G.)**

S.N.	Item Work	Qty	Unit	Rate	Amount
A	PART - A. Civil Work				
1	1.2 Surface dressing of the ground including removing egeation 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).				
		1182.48	sqm	7.20	8513.86
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	272.13	cum	185.00	50344.05
3	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.	73.49	cum	371.00	27264.79
4	3.1 Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work.				
	1.3 1:3:6 (1 cement : 3 coarse sand : 6 graded stone Agregate 40mm nominal size).	45.63	cum	2970.00	135521.10
5	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)	69.95	cum	3350.00	234332.50
6	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				
	65.2 Pigment Coloured (rubber mould) precast interlock concrete blocks	226.21	SQM	632.00	142964.72
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	1500.00	KG	54.50	81750.00
8	2.1 Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:				
	1.1 Foundations, footings, base of columns and plinth beam in any shape and size.	140.25	Sqm	139.00	19494.75

	1.5 Columns, Pillars, Piers and likes- rectangular or square in shape	8.64	Sqm	297.00	2566.08
	1.8 Beams, lintels, cantilevers & walls	44.16	Sqm	202.00	8920.32
10	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).	25.00	CUM	4163.00	104075.00
11	12.8 Providing and fixing plain cement concrete fibre reinforced heavy duty designer glazed floor tiles with uniform colour (for coloured tiles) and texture conforming to IS: 1237 (for abrasion wear) and IS : 516 (for compressive strength) of approved make, colours, shades and size on cement Mortar bed and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching pigment complete.				
	8.2 On floor, steps and risers over 20mm thick bed of cement Mortar 1:4 (1 cement : 4 coarse sand)	216.20	Sqm	905.00	195661.00
12	16.3 Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead. 16.3.3 In cement mortar.	25.19	CUM	263.00	6624.97
13	11.2 Providing and making 12mm thick cement plaster of mix: 11.2.3 In Cement Mortar 1:5 (1 cement : 5 fine sand)	126.20	Sqm	96.50	12178.30
14	11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix: 11.3.3 In Cement Mortar 1:5 (1 cement : 5 fine sand)	165.80	Sqm	113.00	18735.40
15	14.15 Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with: 14.15.1 On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	292.00	Sqm	56.00	16352.00
16	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:	7.47	CUM	121.00	903.87
17	9.15 Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc. including applying a priming coat welded to frame with all necessary fitting complete including applying a priming of red oxide zinc chromate primer.	4246.87	kg	67.50	286663.73
18	12.46 15 mm thick Table rubbed polished Granite stone slab in risers and treads of steps skirting dado and pillars laid on 12mm (Average) thick base of cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry including rubbing and polishing etc. complete (single stone is to be used for risers and treads of steps and width of stone for skirting and dado shall be equal to the height of skirting & dado and length of 1.0 m). 46.2 Granite stone black	19.80	Sqm	2719.00	53836.20

19	13.19 Extra for providing edge moulding to 15mm thick stone counters, vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. 13.19.2 Granite work	43.40	Sqm	172.00	7464.80
20	1.26 Carriage by mechanical transport upto 5 km lead: 26.1 Earth	52.14	CUM	111.00	5787.87
21	22.4 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).	65.50	CUM	236.00	15457.41
22	22.2 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).	65.50	CUM	201.00	13165.00
23	22.9 Mixing earth and sludge or manure in proportion specified or directed	131.00	CUM	11.00	1441.00
24	22.8 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).	131.00	CUM	17.50	2292.50
25	22.25 Providing and planting following herbs in garden including preparation of soil, base plantation, providing and spreading different fertilizers, soil and sand:				
	25.4 Carpet grass (well developed)	436.65	Sqm	263.00	114838.95
	25.1 Hedges like Alife, Dorenta, Tikoma etc	350.00	each	14.00	4900.00
	25.2 Furn like Arica, China etc (3 year old)	20.00	each	125.00	2500.00
26	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)	3.00	point	1502.00	4506.00
27	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.				
	21.1.1 All types of soil 21.1.1.3 150mm Dia	29.45	mtr.	339.00	9983.55
	21.1.2 Rocky strata including Boulders. 21.1.2.2 125 mm dia.	39.70	mtr.	349.00	13855.30
28	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				
	21.3.3 150 mm nominal size dia.	29.45	mtr.	540.00	15903.00

29	21.4 Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) slotted pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge. 4.2 125 mm nominal size dia.	10.00	mtr.	504.00	5040.00
30	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	24.00	Hrs.	654.00	15696.00
31	21.12 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.	1.00	each	1055.00	1055.00
				TOTAL	1640589.01


 Sub. Engg.
 Municipal Corporation
 Korba (C.G.)

Astt. Engg.
 Municipal Corporation
 Korba (C.G.)

Exe. Engg.
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Consultant & Architect Space
 & View
 Korba (C.G.)

B PART - B. GARDEN CHAIR & PLAYING EQUIPMENT WORK			
a	Garden Chair S/F of Garden Chairs made of cost iron MS 50x25x1.2mm for 3 seater code	10.00	nos.
b	Mary Go Round 4 seater small F/P of M.S. Maire go round as per direction code (RC 506 MGR)	1.00	nos.
c	Half Slide 2.5	1.00	nos.
d	Swing Double P/F of SEE-SAW Double make of M.S. Complete in All Respect	1.00	nos.
e	Dust Bins P/F of SEE-SAW Double make of M.S. Complete in All Respect	4.00	nos.
f	Supplying And Fixing Installation Foam Fountain with all Required accessories.	1.00	set
		TOTAL	


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C	PART - C. ELECTRICAL WORK				
1	Supplying and laying following sizes one number PVC insulated/ XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.				
	4 x 10 sq. mm.	211.00	mtr.	278	58658.00
2	5.11 Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface/ concealed, steel/ PVC conduit/ PVC casing capping as required.				
	2 x 1.5 sq. mm	60.00	mtr.	33	1980.00
3	8.30 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 5 KV surge protection on pole bracket complete as required and furnishing 2 Yrs Guarantee certificate from manufacturer.				
	25-30 watt	20.00	each	4890	97800.00
4	21.6 Supply of hot dipped galvanized (in single dip to average 65 micron) octagonal pole made of 3mm thick steel sheet having window and flush cover with locking arrangement at suitable height from base for cable termination block, pole suitably reinforced with welded steel section at window cut section to make the strength of pole unaffected, with following minimum specifications including 3mm thick anchor plate, 4 nos 16mm dia foundation bolts of EN8 grade. (designed for wind speed upto 150km/hr) 4 metre high, dia 130mm at bottom and 70mm at top, base plate size 200x200x12mm, foundation bolts 450mm long				
		10.00	each	5131	51310.00
5	21.11 Erection of GI octagonal/ tubular pole on existing cement concrete foundation having grouted bolts and nuts, aligning in true vertical position as required.				
		10.00	each	547	5470.00
6	21.9 Supply and fixing following street light pole bracket on existing pole made out of 50 mm dia MS "B" class pipe welded to 300 mm long MS pole canopy of suitable dia at a angle of 102.50 including having MS triangular stiffner of size 150 X 50 X 5 mm thick, making arrangement for tightening the bracket with pole by providing suitable size heavy duty nuts and bolts in canopy, painting with one coat of approved steel primer etc. as required. 9.2 single over hang 1.00 metre				
		20.00	each	1030	20600.00
7	21.22 Painting of following height steel tubular poles with two coat of approved colour and shade synthetic enamel paint including cleaning the surface as required: upto 6 meter				
		10.00	nos.	99.5	995.00
8	26.3 Supplying, installation, testing and commissioning of submersible pump set for water supply system with submersible motor directly coupled to multi-stage submersible pump of specified discharge capacity, head, delivery size in existing bore well including 2 sets of suitable size holding clamps made out of 50 mm X 6 mm MS flat, connection with suitable submersible cable of standard length etc. as required. 26.3.1 1.00 HP Single Phase				
		1.00	each	15866	15866.00

9	26.1 Supplying, installation, testing and commissioning of centrifugal type mono-block self priming electric pump set suitable for single phase, 230 volts AC supply including connection of suction and delivery line etc. as required. 0.25 HP single phase	1.00	each	2938	2938.00
10	26.8 Supplying and fixing of following sizes GM non return valve ISI mark in the suction/ delivery line etc. as required. 32 mm dia	4.00	each	652	2608.00
11	Supply, installation, testing and commissioning of 1-3 HP 1 phase submersible motor starter cum control wall/ floor mounted type made out of not less than 1.6 mm thick MS sheet and comprising of following panel mounting switchgears there in including connection inter-connection etc. as required. a) Phase indicating lamps with fuses and toggle switches 1 set b) 1/2/3 HP 1 phase DOL starter with over load and no volt relay 1 No c) 25 A "C" curve DPMCB 1 No d) Voltmeter 0-250 V 1 set e) Ammeter 0-10 A 1 set	1.00	each	4125	4125.00
12	26.12 Supplying and fixing M.S. clamp 50 cm long made of 50mmx5mm thick M.S. Flat for holding the pipes and submerable pump set as required.	29.45	mtr.	314	9247.30
13	26.14 Supplying, laying and fixing following size submersible cable along with GI/PVC/HDFC pipe line or laid in ground etc as required 26.14.2 3x2.5 sqmm	48.80	mtr.	67.5	3294.00
14	26.15 Supplying and making water proof joint with heat shrinkable joint kit including copper ferrules for following size of 3 core submersible copper conductor cable of 1.1 KV grade as required. 26.15.2 3x2.5 sqmm	2.00	each	275	550.00
15	26.16 Supplying and laying of approved make stainless steel wire rope of 6 mm dia for support of submersible pump set complete with tying to pump set and pump holding clamp.	48.80	mtr.	16.5	805.20
16	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 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 required. (Only face area is to be measured)				
	9.19.6 1200 mm deep	1.00	each	9951	9951.00
17	10.49 Providing and fixing ISI Marked designer tiles of approved design and size conforming to IS: 13801 over and including 20mm thick cement plaster 1:3 including floating coat of cement slurry on bed and filling joints with neat cement slurry mixed with pigment to match the shade of tiles complete.	37.68	sqm	1002	37755.36

18	10.12 Supply and fixing of polymer pre-coated 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.	40.00	sqm	693	27720.00
19	9.3 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.				
	9.3.2 Electric resistance or induction butt welded tubes Grade-300	570.72	kg	93.5	53362.32
20	9.4 Extra for curvature in making steel work in tubular structure in built-up sections, trusses and frame work	570.00	kg	2.3	1311.00
21	12.10 Providing and laying rectified ceramic glazed floor tiles of size 300x300mm and above conforming to IS : 15622 of approved make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete.				
	12.10.2 Size above 300x300mm	36.66	sqm	905	33177.30
TOTAL					439523.48


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