

**MUNICIPAL CORPORATION JABALPUR**

**ABSTRACT**

**NAME OF WORK :-CONSTRUCTION OF GARBAGE TRANSFER STATION AT VARIOUSE PLACES IN MUNICIPAL CORPORATION JABALPUR.**

S.No.	Item no.	ITEM	Quantity	Unit	Rate (in Rs)	Total Amount
1	2.6.1	Earth work in excavation for foundation, trenches for pipes / cables or drains etc. by mechanical means / manual means (exceeding 30cm in depth.) including ramming of bottom, dressing of sides, disposal of excavated earth including of all lift and lead upto 50m. Disposed earth to be levelled and neatly dressed.All kinds of soil	954.28	cum	151.00	144096
2	2.18.1	Supplying and filling in plinth under floors including, watering, ramming consolidating and dressing complete.Crusher Stone Dust	204.07	cum	687.00	140193
3	4.1.6	Cement concrete grade M-10 (Nominal Mix) with 40 mm maximum size of stone aggregate	2.93	cum	4112.00	12048
4	5.11	Reinforcement for R.C.C. work including straightening, cutting,bending, placing in position and binding upto floor level including costof binding wire, wastage and over laps upto 12mm horizontal/ inclined position of reinforcement bars in slab and beams, plinth, chajjas,lintels, upto 4.5m vertical length of reinforcement in wall columns (over laps shall be provided as per requirement of IS : 13920; IS 456 & SP :34) etc. complete.	2964.26	kg	57.00	168963
5	19.1.1	Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, etc. for concrete up to plinth level.	784.42	sqm	160.00	125507
6	4.1.2	Providing and laying in position cement concrete of specified gradeexcluding the cost of centering and shuttering All work up to plinthlevel.Cement concrete grade M-25 (Nominal Mix) with 20 mm maximum size of stone aggregate	18.05	cum	5647.00	101928
7	6.8	Brick work will well burnt open bhatta bricks crushing strength not less than 25kg/cm <sup>2</sup> and water absorption not more than 20% in above plinth level upto floor two level in cm 1:6 including the cost of scaffolding etc.	88.06	cum	3868.00	340616
8	13.2.1	15 mm cement plaster of mix :	465.60	sqm	174.00	81014
9	13.39	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:	805.10	sqm	58.00	46696
10	10.14.1.1	Steel work welded in built up sections/ framed work including cutting,hoisting, fixing in position and applying a priming coat of approvedsteel primer using structural steel etc. as required.In stringers, treads, landings etc. of stair cases including use of chequered plate wherever required, all complete.	12516.81	kg	84.00	1051412
11	4.1.4	Cement concrete grade M-10 (Nominal Mix) with 20 mm maximum size of stone aggregate	29.18	cum	4219.00	123110

*Pradeep*  
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No.	Item no.	ITEM	Quantity	Unit	Rate (in Rs)	Total Amount
12	4.1.2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering All work up to plinth level.Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate	94.18	cum	5178.00	487664
13	13.1	12 mm cement plaster of mix :	333.20	sqm	149.00	49647
14	19.1.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc	46.18	sqm	289.00	13346
15	15.21.1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 meters lead. For thickness of tiles upto 25 mm	33.34	sqm	27.00	900
16	23.65.1	White vitreous china dual purpose WC pan with white solid plastic seat and lid with white vitreous china flushing cistern and C.P. flush bend.	3.00	each	4102.00	12306
17	23.7.1	One urinal basin with 5 litre white P.V.C. automatic flushing cistern.	9.00	each	2583.00	23247
18	23.10.1	White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps.	2.00	each	1746.00	3492
19	21.25	Providing and placing on terrace at all floor 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.	4000.00	Ltr.	8.00	32000
20	20.5	Providing PVC pipe slotted as per direction of Engineer-in-Charge and fixing in Rain water recharge pit/Percolation pit or Soakway with jutecoir wrapping pipe.	150.00	mt	316.00	47400
	20.5.1	150 mm dia	91.30	cum	478.00	43641
21	2.6.1	Supplying and filling in plinth under floors including, watering, ramming consolidating and dressing complete.Hard moorum	123.29	cum	5435.00	670081
22	5.1.1	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate.	1.10	cum	5656.00	6222
23	5.2.1	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc.above plinth level and up to floor two level excluding cost of centering, shuttering and reinforcement etc.Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate.	220.72	sqm	270.00	59594
24	19.1.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	55.20	sqm	362.00	19982
25	19.1.6	Columns, Pillars, Piers, Abutments, Posts and Struts.				

  
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No.	Item no.	ITEM	Quantity	Unit	Rate (in Rs)	Total Amount
26	6.17.1	Brick work with fly ash lime bricks (FALG Bricks) conforming to IS:12894-2002, class designation 75 Kg/CM2 (average compressive strength) in superstructure above plinth level up to floor 2 level including the cost of scaffolding :	3.22	cum	4992.00	16074
27	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete:	45775.61	kg	69.00	3158517
28	6.1.16	Nut bolts for truss jointing @ 1.25kg/set of 0.95x25mm nut with bolt and 3 washer and 1 locking washer.				
		total	356.22	kg	64.00	22798
29	7.1	Supply & installation of pre-coated galvanised iron profile sheets(size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm ±5% total coated thickness (TCT) thick Zincoating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 micron epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 meter 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.	5073.30	sqm	422.00	2140933
30	7.2	Providing ridges or hips of width 60 cm over all width plain G.S. sheet fixed with polymer coated J. or L hooks, bolts and nuts 8 mm dia. G.I. limpet and bitumen washers complete.				
	7.2.1	ridge sheeting	39.00	rmt	416.00	16224
31	7.3.1	GS Sheet Gutter on edge of Gazebo	78.00	rmt	410.00	31980
32	8.1	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand or manufacture	1378.30	sqm	68.00	93724
33	3.3 vol. iii	3.3 Excavation for roadwork in soil with hydraulic excavator including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location with all lifts and lead upto 1000m as per relevant clauses of section-300 of specification.	395.00	cum	65.00	25675
34	4.1 vol iii	Construction of granular sub-base by providing Coarse graded material(CBR>30), spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method at OMC and compacting with vibratory roller of 80-100 KN Static weight to achieve the desired density, complete in all respect as per relevant clauses of section-400.	98.75	cum	689.00	68039

  
 Pradeep  
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No.	Item no.	ITEM	Quantity	Unit	Rate (in Rs)	Total Amount
35	6.1 vol iii	Construction of Dry lean cement concrete Sub-base over prepared sub grade with coarse and fine aggregate conforming to IS:383, the size of coarse aggregate not exceeding 26.5 mm, aggregate cementation to exceed 15:1, aggregate gradation after blending to be as per MORTH Specifications Table 6001, cement content not to be less than 150 kg/cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with paver with electronic sensor/mechanical paver, compacting with 8-10 tonnes vibratory roller, finishing and curing as per relevant clauses of section-601.	98.75	cum	3017.00	297929
36	6.2 vol. iii	Construction of dowel jointed, plain cement concrete pavement in M-30 grade concrete over a prepared sub base with 43 or higher grade cement, coarse and fine aggregate conforming to IS:383 maximum size of coarse aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver with spreading the concrete by shovels, rakes compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, placing of dowel bar, tie rod admixtures as approved, curing compound, finishing to lines and grades as per approved drawings as per IRC-15 2011 and as per relevant clauses of section-602 of specifications complete excluding cost of steel in dowel bar & tie rod etc	197.50	cum	5583.00	1102643
37	6.4	6.4 Add extra item No.-6.2 & 6.3 above for the cost of steel in dowel bar and tie bar etc. required as per design.				
	6.4.1	Mild Steel dowel bars confirming to IS 432, grade I	789.93	kg	47.300	37364
38	1.1 vol. iii	transportation including loading and unloading. Excavated Earth	1414.00	cum	92.87	131318
39	11.10.4	White cement without any pigment.	5.76	sqm	534.00	3076
40		c) Long point	16500.00	Each	110.00	1815000
41	23.73.1	15 mm nominal bore, 80mm long, 42 mm high and 30mm wide with BSP female threads weighing not less than 48 gms.	12000.00	Each	92.00	1104000
42	9.44.1	Providing and fixing curtain rods of 1.25 mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete 12mm dia (18 gauge)	180.00	meter	239.00	43020
43	11.10.3	Medium shade pigment with 50% white cement and 50% ordinary cement.	36.30	sqm	596.00	21635
44	23.10.10	Stainless Steel AISI-304(18/8) Round basin 405x355mm with single 15 mm C.P. brass pillar tap.	6.00	each	2238.00	13428
45	23.65.1	White vitreous china dual purpose WC pan with white solid plastic seat and lid with white vitreous china flushing cistern and C.P. flush bend.	3.00	each	4102.00	12306

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सं.क्र. - .....  
नगर निगम, जबलपुर

No.	Item no.	ITEM	Quantity	Unit	Rate (in Rs)	Total Amount
46	12.1	Providing, Laying and jointing non-pressure (NP2) RCC socket & spigot pipes with rubber gasket joint including testing of joints. 1000 MM	12.00	sqm	4085.00	49020
47	7.2	Providing ridges or hips of width 60 cm over all width plain G.S. sheet fixed with polymer coated J. or L hooks, bolts and nuts 8 mm dia. G.I. limpet and bitumen washers complete.				
	7.2.1	ridge sheeting	180.00	rmt	416.00	74880
48	20.2	Drilling of perfectly vertical bore hole of a diameter suitable to receive 200mm nominal diameter casing pipe upto desired depth below ground level inclusive of the labour charges for transporting, lowering and fixing of 200mm nominal diameter M,S./G.I./U.P.V.C. casing pipe inside the bore hole including all works pertaining to drilling such as transportation, installation and removal of drilling machine etc. complete.in all types of collapsible strata consisting of soils, clays, sand, moorum, gravel, boulders etc.	180.00	meter	503.00	90540
49		Providing, erecting and giving test of submersible pumpset conforming to IS 8034 and motor conforming to IS9283, with water proof winding. Pump shall be suitable for various delivery head and discharge with stainlesssteel shaft. Motor suitable for working on 415 V $\pm$ 10%, 3 Ph, 50 Hz A.C. Supply, with cable guard, thrustcarbon/fiber bearing to withstand entire hydraulic thrust.The pump set shall be suitable for direct coupling, with suitable suction strainer. Pump should have suitable discharge out let as per manufacturer's design.Antithrust stream lined non return valve	3.00	each	19633.00	58899
50	5.1.2	Providing, laying, jointing & testing of following P.V.C. pipes with solvent cement joint for 6, 8 and 10 kg/ sq. cm. pressures including testing of joints, cost of jointing materials etc. complete in all respect.100 MM DIA	90.00	rm	195.00	17550
51	20.1.1	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plane and brass threaded fitting 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 testing of joints complete as per direction of Engineer in Charge. Internal work Exposed on wall.15 mm nominal outer dia .Pipes.	60.00	meter	109.00	6540
52	21.1.3	25 mm nominal outer dia .Pipes.	30.00	meter	161.00	4830
53	21.1.6	50 mm nominal outer dia .Pipes.	30.00	meter	334.00	10020
54	21.12.1	15 mm nominal bore 0.40kg	12.00	each	223.00	2676
55	21.12.2	20 mm nominal bore 0.75kg	12.00	each	247.00	2964
56	21.13.1	15 mm nominal bore 0.40kg	12.00	each	205.00	2460
57	21.13.2	20 mm nominal bore 0.75kg	6.00	each	247.00	1482
58	21.14.3	25 mm nominal bore	6.00	each	282.00	1692

Pradeep  
उपयंत्री  
सं.क्र.-.....  
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No.	Item no.	ITEM	Quantity	Unit	Rate (in Rs)	Total Amount
59	6.15.1	Providing and laying 80mm thick factory made cement concrete interlocking paver block of M -40 grade made by block making machine with strong vibratory compaction and of approved size and design/ shape laid in required colour and pattern over and including 50mm thick compacted bed of stone dust sand, filling the joints with coarse sand etc. all complete as per the direction of Engineer-in-charge.	742.50	sqm	691.00	513068
60	6.15.2	Cement mortar 1:4 (1 cement : 4 coarse sand)	18.15	sqm	596.00	10817
61		miscellaneous other work and electric work				904694
		<b>electric work</b>				
		WIRING IN CONCEALED RIGID PVC CONDUIT (HEAVY DUTY) SYSTEM WITH MODULER ACCESSORIES				
62		Point wiring including metallic switch box, sheet, switch, socket, lamp holders/ceiling roses etc with 1.5 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in concealed rigid P.V.C. conduit (HMS) ISI Marked of suitable size and 1.5 Sq. mm. PVC insulated copper earth continuity conductor of green colour inside conduit including painting etc. as required as per specification for :-				
63		Light Point/Fan Points.				
64		a) Short point	5	Each	511.00	2555
65		b) Medium point	10	Each	963.00	9630
66		c) Long point	15	Each	1466.00	21990
67		3 Pin 6 Amp socket outlet on Separate Board				
		a) Short point	2	Each	549.00	1098
68		b) Medium point	5	Each	1001.00	5005
69		c) Long point	3	Each	1504.00	4512
70		CIRCUIT WIRING/MAINS WIRING				
		Circuit Wiring -Wiring for circuit wiring with PVC insulated cable FR with copper multi strand conductor ISI marked in concealed rigid P.V.C. conduit (HMS) of ISI marked suitable size including painting etc. as required as per specification				
		a) 2x2.5 Sq.mm.	300	meter	171.00	51300
71		b)4x2.5 Sq.mm.	100	meter	224.00	22400
72		Supplying & fixing of ISI marked Porcelain Rewireable type fuse carrier & base unit of approved make & confirming to IS: 2086- 1993 -				
		100 Amps/415 Volts	3	Each	222.00	666
73		Supplying of ISI Marked and approved make of Moulded Case Circuit Breaker (MCCB) suitable for 3 phase,3 pole, 50 Hz, 415 Volts, AC supply with respective interrupting capacity (KA) at 415 Volts cited against their range standard conforming to IS - 8828				
		MCCB with Breaking Capacity 35 KA at 415 V				
		Current Rating -200 Amps & Adjustable: 70% -100% thermal & 5- 10 times magnetic Setting	1	Each	11111.00	11111
74		Supplying of ISI Marked and accepted standard of Miniature Circuit Breaker (MCB) of 'C' series suitable for 240/415 Volts, 50 Cycle , 10 kA Value AC supply confirming to IS : 8828 : 1996, IEC : 60898 :2002 but without enclosures :-				

Pradeep  
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No.	Item no.	ITEM	Quantity	Unit	Rate (in Rs)	Total Amount
		SINGLE POLE (SP)				
		6 Amp to 32 Amp Rating	16	Each	81.00	1296
		FOR TRIPLE POLE & NEUTRAL(TPN)				
75		50 Amp to 63 Amp Rating	2	Each	745.00	1490
76		Supplying, fixing, testing & commissioning floor mounted with 300 mm high stand, LT Panel primer coated with two coat of enamel paint & provided with required gasket for dust/ vermin proof with degree of protection IP42 suitable for 415V 3 phase, 50 Hz, 4 wire system fabricated out of CRCA sheet upto 2 mm thick (1.6 mm for doors) with frame work of angle iron/ channel/ bolted type construction duly compartmentalised for incomer, bus section, outgoing, cable alleys & CT, PT Ampere Meter, Volt Meter, selector switches, Frequency Meter, phase indicating lamps, energy Meter complete including cost of busbar supports, detachable cable gland plates, 2 earthing terminals, internal wiring & fixing of separately supplied MCBs, MCCBs, panel mounted Changeover switch/SFUs, etc. as required but excluding cost of busbar strips, Ampere Meter, Volt Meter, Selector switch as per approved design & specification	300	Kg	84.00	25200
77		Supply of XLPE Insulated power cable (conforming IS- 7098 ) 1100 Volt grade/Heavy duty power cable conforming to IS 1554-1100 Volts grade, 2 core /3½ core/4 core ISI MARKED with Alu. Stranded /solid conductor				
		UNARMoured 3 Core				
		6 Sq.mm.(XLPE)	300	meter	45.00	13500
		ARMoured 3½ CORE				
78		35 Sq.mm(XLPE)	90	meter	168.00	15120
79		70 Sq.mm(XLPE)	60	meter	297.00	17820
80		95 Sq.mm.(XLPE)	30	meter	360.00	10800
		ARMoured 4 CORE				
81		10 Sq.mm.(XLPE)	50	meter	99.00	4950
		LUGS:-				
82		Supplying and fixing cramping type Alum. lugs as per I.S.S. Specification suitable for following size of cable with Alu./Copper solid/stranded conductor evenly cramped with high/pressure tool and connected to switch gear/ Bus/ M.C.C.B./ M.C.B. etc. as required complete. For Conductor Size-				
		6mm to 16 Sq.mm	20	Each	5.00	100
83		35 Sq.mm	8	Each	9.00	72
84		70 Sq.mm	8	Each	19.00	152
85		95 Sq.mm	8	Each	21.00	168
86		CABLE LAYING - Laying of underground cable armoured./ unarmoured as per specification in air with approved type of iron clamps complete. -				
		2/3/4 Core cable upto 16 Sq.mm	350	meter	32.00	11200
87		3 / 3½ / 4 Core cable 25 Sq.mm to 120 Sq.mm	180	meter	44.00	7920
88		Supply of support for overhead line RS joist / H-beam of I.S. standard including welding, drilling of required hole etc. complete as required. -				
		H-Beam 152x152mm, Std weight 37.1 kg per meter	52	meter	1810.00	94120

  
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No.	Item no.	ITEM	Quantity	Unit	Rate (in Rs)	Total Amount
89		Supplying and drawing All Aluminium Alloy conductor (AAAC) of approved make conforming to IS 398- 1979 Pt. IV, including binding at existing insulator, jointing, jumpering, tearing off, connecting etc. as required including clearing of obstacles (if any) -				
		0.05 sq.inch / 30 sq.mm Alloy Aluminium Conductor	0.15	Km.	41595.00	6239.25
90		Erection of steel tubular or steel rail pole or H-Beam of length exceeding 10 meters but not exceeding 13 meters in cement concrete 1:3:6 (1 cement :3 coarse sand: 6 graded stone aggregate 40mm nominal size) foundation , base padding & muffing including excavation and refilling etc. as required.(4.55 bags of cement/cmt.)	4	Each	1855.00	7420
91		Supplying of angle/channel flat iron fitting for overhead lines such as cross arms, clamps, brackets, welding and other necessary materials as per specifications.	400	Kg.	48.00	19200
92		Supplying and erection of galvanised stay set for 11kV overhead line complete with 19/20mm dia x 1.8 meters long stay rod, anchor plate of size 45cm x 45cm x 7.5mm thick, thimble, stay clamps, turn buckle (20mmx 600mm), 7/4.00mm dia G.I. stay wire and 11kV strain insulator etc. in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm. nominal size) foundation including excavation and refilling etc. as required.	2	Set	2038.00	4076
93		Supplying and erection of 11kV pin insulator complete with large steel head G.I. pin, nut, washer etc. as required.	6	Set	208.00	1248
94		Supplying and erection of 11kV disc insulator for 11kV overhead lines with galvanised insulator fittings, ball and socket type, and complete with galvanised strain clamp,bolts, nuts washer etc. as required.	6	Set	780.00	4680
95		Supplying and erection of three piece nonlinear resistor type lightning arrestor suitable for 3 wire, 11kV overhead lines with rated voltage of 9kV (rms) with a nominal discharge current rating of 5 KA and complete with galvanised clamping arrangement, G.I. bolts, nuts, washer etc. as required.	1	Set	1442.00	1442
96		Supplying installing and testing of AB isolating switch assembly set gang operated suitable for 11/0.4 KV, DP structure with brass part contacts, operating rod with required GI pipe, handle locking arrangement on On-Off position conforming to IS complete with required material and installing on existing structure to complete the job as required as per specification. -				
		11 kV	1	set	6352.00	6352
97		Supplying, installing ,testing of 11 KV D.O. fuse assembly with brass part contact for 11/0.4 KV DP Structure set of 3 with fuse with barrel with required fuse element & other materials as per specification on existing D.P. structure as required.(set of 3nos.)	1	set	4405.00	4405

  
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No.	Item no.	ITEM	Quantity	Unit	Rate (in Rs)	Total Amount
98		Supplying, installing, testing and commissioning of 11/0.4 K.V. 3 Phase 50 Cycle oil immersed, naturally cooled, out door type transformer connected delta on H.T. side and star on L.T. side hand operated off load, Tap changer switch, above 100 kVA rating and diagram plate, two earthing terminal, lifting lugs, oil level guage, drain valve with plug, temperature not exceeding 50°C on load, oil conservator with drain plug, oil filling hole with plug dehydrating silica gel breather, four unidirectional roller, arcing horns, explosion vent, terminal arrangement bushing on H.V. side and cable box on LV side, first filling of oil upto desired level and transformer installing on existing structure with all Required materials arrangements as required as per IS specification.	1	Each	111506.40	111506
		Aluminium wound				
99		100 kVA	1	Each	104415.00	104415
100		Supplying, installation, testing and commissioning of LT distribution box with TPN isolater 200 amp on incoming bus bar and 6 SP M.C.C.B of 90 A" on outgoing side for 100 kva transformer.	1	Each	14702.00	14702
101		Supply, installaion, testing 1100 volts grade aluminium conductor XLPE, LT Cable Single Core -				
		iv) 185 Sq.mm.	0.02	km	149061.00	2236
102		Supply and fixing of LED tube rod comprising of LED tube with non integral / integral driver, 6500K color temp having 40000 burning hrs life with minimum @ L 70, system lumen output should be minimum with efficacy > 80 lm/W. LED driver PF 0.95 & THD < 20%. The colour rendering index of LED light should be more than 70. Submission LM 80-08 Form LED Source Manufacturer & LM79-08 / IS16106 from NABL approved lab. Manufacturer mandatory i/c connection wire, testing etc. to complete the job. 2 Yrs Guarantee certificate from manufacturer.				
		1 X 18/20/22W, Integral	30.00	Each	439.00	13170
103		Supplying of flood light with high power LED of 1 to 3 W each assembled on single MCPCB, system lumens output with efficacy > 110 lm/W. luminaire having color temp 6500K & 50000 burning hrs life with minimum @ L 70, The colour rendering index of LED light should be more than 70. Luminaire comprises of driver, PF 0.95 & surge protection 4 KV. Housing made of pressure die cast aluminium with heat resistant flat glass, IP66 protection. Submission LM 80-08 Form LED Source Manufacturer & LM79-08 / IS16106 from NABL approved lab. Manufacturer mandatory i/c connection lead, testing etc. to complete the job. 2 Yrs Guarantee certificate from manufacturer.				
		90W	40.00	Each	6912.00	276480
104		Supplying, erection and testing of approved make electric Ceiling fan of double ball bearing complete with standard down rod, canopy, hanging shackle, Aluminium blades, without regulator, A.C. 230-250 volts including connections with all necessary material complete as required confirming to IS :374/1979 with upto date ammendments.				
		Ceiling Fan (Energy Saver 50 W)-1200 mm Sweep	8.00	Each	1680.00	13440

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No.	Item No.	ITEM	Quantity	Unit	Rate (in Rs)	Total Amount
105		Supplying of approved make TPN MCB DB Metal Double Door with provision for FP MCB/Isolator/RCCB/RCBO as incomer and SP MCBs as outgoing inclusive of Busbar, Neutral bar, Earth bar & two earth terminals etc. complete as per IS:13032( exclusive of MCB & isolator ):				
		4 way (4+12)	1251.00	Each	2.00	2502
106		Supplying and installing Double wall corrugated pipes (DWC) of HDPE ( IS 14930 Part II -marked ) for cable laid under ground with necessary connecting sockets/ couplings,tees of same material and at required depth upto 90cm. below road/ground surface,including excavation, back filling with excavated material with ramming and making the surface good.				
		63.00mm outside dia.	193.00	meter	200.00	38600
107		Painting of pole bracket cable protecting pipe and its clamps in two coatings of All. enamel based primer as directed by Engineer-in-Charge.				
		above 9 mtr.	55.00	meter	55.00	3025
108		Supplying and fixing of 32mm dia. X 2.00 mtr. Long G.I. pipe B class bracket for mounting of flourescent street light fittings on poles including bending the pipe to the required shape and wiring with 1.5Sq.mm W.P./PVC wire etc. as required.	40	Each	675.00	27000
ESTIMATE AMOUNT						16709235
add 18% GST						3007662
TOTAL AMOUNT						19716897

Say Amount — 197.17 Lakh

*Pradeep*  
SLC

**उपयंत्री**

सं.क्र.-.....

नगर निगम, जबलपुर

*Pr*  
संयोजीय सं.क्र.  
नगर निगम, जबलपुर