

MUNICIPAL CORPORATION DURG

निकाय के फिल्टर प्लांट इंटेकवेल एवं उच्च स्तरीय जलागार क्षेत्र का उन्नयन कार्य

BILL OF QUANTITY

S.N.	CODE NO.	ITEM	QTY	UNIT
(As per Building SOR 01.01.2015, Road SoR 1.1.2015, Electrical Sor 2020)				
1	1.2 (Building Sor 1.1.2015)	Surface dressing of the ground including removing vegetation and making up undulations and inequalities 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).	340.00	SQM.
2	1.1.1 (Building Sor 1.1.2015)	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.	2860.00	Cum.
3	1.9.1 (Building Sor 1.1.2015)	1.9 Extra rate for lead for every 50m lead or part thereof and upto 150 m beyond 50 m free lead and 1.5 m free lift by manual means only	36.25	Cum.
		1.9.1 For Soils		
4	1.17 (Building Sor 1.1.2015)	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.	553.00	Cum.

5	1.18 (Building Sor 1.1.2015)	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.	1110.00	Cum.
6	1.6	Extra for every additional lift of 1.5 m or part thereof.	24.55	Cum.
7	3.1.3 (Building Sor 1.1.2015)	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.		
		1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size)	1495.00	Cu.M.
8	3.1.5 (Building Sor 1.1.2015)	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size)	402.00	Cu.M.
9	3.13 (Building Sor 1.1.2015)	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 form work.	29.25	Cu.M.
10	3.2.1 (Building Sor 1.1.2015)	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).	590.00	Cum.

11	3.2 (Building Sor 1.1.2015)	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works up to plinth level excluding cost of form work		
	3.4	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:		
	3.2.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	10.42	Cum.
12	2.1 (Building Sor 1.1.2015)	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:		
13	2.1.1 (Building Sor 1.1.2015)	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	5630.00	SQM.
14	2.1.5 (Building Sor 1.1.2015)	Column, Pillars, Piers and likes-rectangular or square in shape.	1060.00	SQM.
15	2.1.13 (Building Sor 1.1.2015)	Weather shade, chhajja, Cornices and mouldings	39.33	SQM.

16	2.1.8 (Building Sor 1.1.2015)	Beams, lintels, cantilevers & walls	224.00	SQM.
17	2.1.7 (Building Sor 1.1.2015)	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	418.00	SQM.
18	3.12.1 (Building Sor 1.1.2015)	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:	4188.00	KG
19	7.5.4 (Building Sor 1.1.2015)	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)	668.00	CUM
20	7.5 (Building Sor 1.1.2015)	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 40 in foundation and plinth in:		
	7.5.4	Cement Mortar 1:6 (1 cement : 6 coarse sand)		
	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:	229.00	CUM

21	11.1.2 (Building Sor 1.1.2015)	Providing and making 6mm thick cement plaster of mix:		
		In Cement mortar 1:4 (1 cement : 4 fine sand)	607.00	SQM.
	11.2.2 (Building Sor 1.1.2015)	Providing and making 12mm thick cement plaster of mix:		
		In Cement Mortar 1:4 (1 cement : 4 fine sand)	290.00	SQM.
22	11.2.4 (Building Sor 1.1.2015)	12mm thick cement plaster of mix:		
		In Cement Mortar 1:6 (1 cement : 6 fine sand)	960.00	SQM.
23	11.3.4 (Building Sor 1.1.2015)	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:		
		In Cement Mortar 1:6 (1 cement : 6 fine sand)	8497.00	SQM.
	11.5 (Building Sor 1.1.2015)	11.5 Neat Cement punning.	261.00	SQM.
24	As per Ammendmen t no 08, 05/05/2025 item no.14.53	White washing/ Colour washing with lime to give an even Sqm shade in Three or more Coats for New surface as per relevant IS code 6278:1971 Consumption of lime 3.50kg /10 Sqm with all tools tackles and labour etc. complete for the work.	1355.00	SQM.

25	As per Ammendmen t no 08, 05/05/2025 item no.14.56	Providing and applying 2mm thick white cement based polymeric Exterior grade Putty with minimum 3 coats applied @ 5.4 kg/ 10Sqm as per relevant IS code 17545:2021 (Product such as Birla wall care, Asian trucare,JK wall putty, Berger Bison wall putty) to make the surface smooth and even with all tools tackles and labour etc. complete for the work.	1657.00	SQM.
26	As per Ammendmen t no 08, 05/05/2025 item no.14.60	Providing and applying of Acrylic primer on all surface applied @0.80 litres/10 sqm as per relevant I.S. code 15489:1974 (Product such as Asian Spark/suprimo , J.K. Primer, Dulux Acrylic Primer) with all tools tackles andlabour etc. complete for the work.	8550.00	SQM.
27	Amendment no. 8 05.05.2025, Item No. 14.61	Providing and applying Synthatic oil bound washable Distemper having VoC content less than 50gms/ lit. Minimum two coats up to final finish to give an even shade applied 1.25 kg / 10Sqm as per relevant I,S. Code 428:2000 (product such as Asian Tractor synthatic distemper , Berger Bison Lite , Dulux Magik , Birla Opus Style super smart) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work.	999.00	SQM.

28	As per Amendment no 08, 05/05/2025 item no.14.62	<p>Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit</p> <p>Minimum two coats up to final finish applied @ 1.25 Kg/ 10Sqm as per relevant L.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison, Opus Style/lite economy emulsion product such as Asian Tactor Spark Dulux Pomise sheen, Neroloc</p> <p>Litil Master, Berger Bison Lite, Nippon Superio.) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour complete for the work.</p>	264.00	SQM.
29	Amendment no. 8 05.05.2025, Item No. 14.66	<p>Providing and applying on exterior surface with LITE ECONOMY Exterior Emulsion paint of required shades to</p> <p>give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant</p> <p>LS. Code 15489:2013 Type -2 Class D,C (Glossy /Semi Glossy finish) (Product such as Asian ACE Spark ,Dulux Pomise exterior smart, Nerolac Littil Master, Berger Bison Lite, Nippon Superio etc) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work (With 2 Year Warranty.)</p>	552.16	SQM.

30	As per Ammendmen t no 08, 05/05/2025 item no.14.67	Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S, Code 15489:2013 Type -2 Class D,C (Glossy /Semi Glossy finish) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work (With 2 Year Warranty)	12865.00	SQM.
31	9.40 (Building Sor 1.1.2015)	Providing and fixing concertina coil fencing with required dia 610 mm (having 50 nos. round per 6 metre length) up to 3m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart tied with G.I. staples and G.I. clips to retain horizontal including necessary bolts or G.I. barbed wire tied to angle iron all complete as per direction of Engineer-incharge with reinforced barbed tape (R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)	4911.00	MTR

32	9.45 (Building Sor 1.1.2015)	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.	21432.00	KG
33	As per Ammendmen t no 08, 05/05/2025 item no.14.74	Providing and applying priming coat on steel work with red Oxide/ zinc phosphate primer applied @ 0.50 lit /Sqm as per relevant code 3536:1999 (product such as Asian Zinc phosphate , Dulux Steel primer, Burger Red oxide primer) with all tools tackles and labour etc. complete for the work	964.00	SQM.
34	As per Ammendmen t no 08, 05/05/2025 item no.14.76	Providing and applying Aluminium paint minimum 2 coats in all metal surface applying @ 0.75 li/ 10 Sqm up to required finish as per relevent I.S. code 2932: 2013 of (Product such as Asian Apcolite aluminium paint, Dulux Aliminium paint, Burger Superior Aluminium Paint) with all tools tackle and labour etc. complete for the work.	1207.82	SQM.
35	12.65.2 (Building Sor 1.1.2015)	Providing and applying Aluminium paint minimum 2 coats in all metal surface applying @ 0.75 li/ 10 Sqm up to required finish as per relevent I.S. code 2932: 2013 of (Product such as Asian Apcolite aluminium paint, Dulux Aliminium paint, Burger Superior Aluminium Paint) with all tools tackle and labour etc. complete for the work.	7233.00	SQM.

36	9.47.2 (Building Sor 1.1.2015)	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 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).	495.78	Kg

37	12.4 (Building Sor 1.1.2015)	52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of 6 mm size by volume) with metallic hardening compound of approved quality mixed with cement in ratio of 4:1 (4 cement : 1 metallic floor hardening compound by weight) including finishing etc. complete.	300.99	SQM.
38	12.50 (Building Sor 1.1.2015)	KOTA stone slab 25mm thick in risers and treads of steps, skirting dado and pillar laid in 12mm (Average) thick cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete. (single stone is to be used for riser and treads of steps and the width of stone for skirting and dado shall be equal to the height of skirting/ dado up to length of 1.0 M.)	44.49	SQM.
39	12.74 AS PER AMMENDM ENT	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.	14.50	SQM.

40	8.3 (Building Sor 1.1.2015)	Providing 40x5mm iron hold fast 40cm long including fixing to frame with 10mm bolts nuts and wooden plug and embedding in Cement Concrete 1:2:4 in blocks of size 30x10x15cm.	180.00	EACH
41	8.148.2 (Building Sor 1.1.2015)	8.148 Providing and fixing factory made UPVC door frame made of UPVC profile section having an overall dimension as below (tolerance $\pm 1\text{mm}$) with wall thickness $2.0\text{mm} \pm 0.2\text{mm}$, corners of the door frame to be jointed with galvanized brackets and stainless steel screws, joints mitred and plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19mm and $1\text{mm} \pm 0.1\text{mm}$ wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturers specification and direction of Engineer-in-charge 8.148.2 Extruded section Profile size 42x50 mm.	4.95	MTR
42	8.12 (Building Sor 1.1.2015)	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.		
	8.12.2	35 mm. thick (single leaf)		
	8.15	Extra for double leaf shutter instead of single leaf.	34.02	SQM.

43	8.58.2 (Building Sor 1.1.2015)	Providing and fixing bright finished brass butt hinges with brass polished MS screws complete:		
		100x85x5.50 mm (Heavy Type)	57.00	EACH
44	8.60.2 (Building Sor 1.1.2015)	Providing and fixing bright finished brass sliding door bolt with nuts and brass polished MS screws complete:		
		250x16mm	19.00	EACH
45	8.61.2 (Building Sor 1.1.2015)	Providing and fixing brass door latch with brass polished MS screws complete:		
		250x16x5 mm	21.00	EACH
46	8.62.2 (Building Sor 1.1.2015)	Providing and fixing bright finished brass tower bolts (barrel type) with brass polished MS screws complete:		
		200x10mm	22.00	EACH
47	8.65.1 (Building Sor 1.1.2015)	Providing and fixing bright finished brass door handles with brass polished MS screws complete:		
		125 mm	38.00	EACH
48	9.15 (Building Sor 1.1.2015)	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.	826.30	KG

49	9.51.2 (Building Sor 1.1.2015)	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete. (Cost of aluminium snap beading shall be paid in basic item):		
		With float glass panes of 5 mm thickness	34.26	SQM.
50	9.37 (Building Sor 1.1.2015)	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.	7.00	EACH
51	20.14.1 (Building Sor 1.1.2015)	Supplying and fixing C.I. cover without frame for manholes :		
		455x610 mm rectangular C.I. cover (light duty) the weight of the cover to be not less than 23 kg.	5.00	EACH
52	9.3.1 (Building Sor 1.1.2015)	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.		
		Electric resistance or induction butt welded tubes Grade-250	5506.23	KG

53	16.8 (Building Sor 1.1.2015)	Dismantling flag stone flooring laid in cement/lime mortar including stacking of serviceable material and disposal of unserviceable material within 50 metre lead.	13.50	Cu.M.
54	2.1 (Road Sor 01.01.2025)	Cutting of trees, excluding removal of stumps and roots of trees (Cutting of trees, trunks and branches excluding removal of stumps and roots of trees and stacking of serviceable material with all lifts and up to a lead of 1000 mtrs)		
	i)	Girth from 300 mm to 600 mm	25.00	Each.
	ii)	Girth beyond 600 mm to 900 mm	25.00	Each.
55	19.8 (Electrical sor 01-06-2020)	Supply of hot dipped galvanized (in single dip to minimum 75 micron) octogonal pole made of 3mm thick steel grade E-350 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 with 4 way terminal connector including 4mm thick anchor plate, 4 nos 24mm dia foundation bolts of EN8 grade, and as per IS 2062 & BS EN: 10025. (designed for wind speed upto 180km/hr, IS: 875 Part 3)		
	19.8.1	9 metre high, dia 155mm at bottom and 90mm at top, base plate size 260x260x16mm, foundation bolts 750mm long	20.00	EACH

56	19.12	Designing and providing suitable RCC foundation in Cement Concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) for 3 mere to 12 metre high GI octagonal pole including steel reinforcement form work, embedding 2 nos 50mm dia PVC pipe for cable entry in each foundation, excavation disposal of surplus soil and curing etc. as per specification. (SOR: 19.12	12.00	CUM.
57	19.11.7	Erection of GI octagonal/tubular/conical pole on existing cement concrete foundation having grouted bolts and nuts, aligning in true vertical position as per specification.		
		9 metre high	19.20	EACH
58	19.28	Supplying and fixing of double over hang (Arm) 1500 MM (long)x50 mm dia decorative GI street light pole bracket made out of GI "A" Class pipe welded to 300 MM Long GI Pole canopy of suitable dia at angle of 102.50 Degree including having GI triangular stiffner and making arrangement for tightening the bracket with pole by providing suitable size heavy duty nuts and bolts in canopy including FRP Dome on existing pole etc. as per enclosed drawing and as per direction of engineer-in-charge.	20.00	EACH

59	15.3.11	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).		
	15.3.11	3.5 x25 sqmm	300.00	Mtr
	15.3.13	3.5 x50 sqmm	560.00	Mtr
60	14.2.1	Supplying and laying HDPE pipe of 4kg/Sqcm 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.		
		63 mm outer dia	500.00	Mtr
61	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.	20.00	Each
62	9.10.1	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.		
		6 amps to 32 amps	20.00	Each
		40 amps	20.00	Each
63	15.28	Supplying, fixing and cramping suitable size and all type aluminium ferule/ lugs to following size 1.1 KV grade power cable core / lead, pressed with high pressure cramping tool including connection to switch gear/ MCCB etc as per specification. .		
	15.28.4	25 Sq mm.	240.00	Each
64	19.134	Providing and making suitable CC pole collar (muffing) in Cement Concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size) of size 0.4 m dia and 0.4 m height from existing CC foundation.	20.00	Each
65	32.2.4	Providing following size ISI marked FRLS PVC insulated , PVC sheathed, flexible copper conductor wire.		

	32.2.4	1.5 sq. mm three core	240.00	mtr
66	6.28.8	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 \geq 120 lumens /watt.		
		90 watt	40.00	Each
67	12.18	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ concealed conduit/ submain wiring/ cable as per specification.	90.00	Mtr
68	14.3.2	Supplying and laying following size medium class G.I. pipe 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.		
		80 mm internal dia	90.00	Mtr
69	6.59	Supply and installation of timer including relay and contactor set complete as required	10.00	Each
70	30.1	Earth work in all type soil except soft rock / hard rock with all lead and 1.5 metre lift, dressing, stacking excavated strata including refilling of excavated soil in trench / pit to ground level complete as per specification.	20.00	Cum

71	30.5	Filling of excavation stuff of any kind made available for filling except B.C. soil in layers including ramming and watering.	4.00	Cum
72	12.2	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe, with charcoal and salt as per specification and IS Code 3043: 1987(R 2016)	20.00	Set
73	PWD S.O.R.-P- 84/I-9.42 9.42.1	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe, with charcoal and salt as per specification and IS Code 3043: 1987(R 2016)	437.11	SQM.
74	2.01 (A) (As per Road Sor 01-01-2025)	Cutting of trees, excluding removal of stumps and roots of trees (Cutting of trees, trunks and branches excluding removal of stumps and roots of trees and stacking of serviceable material with all lifts and up to a lead of 1000 mtrs)		
	i)	Girth from 300 mm to 600 mm	20.00	EACH
	ii)	Girth beyond 600 mm to 900 mm	20.00	EACH

75		<p>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.</p>		
		PWD S.O.R.-P-91/I-10.11	37.18	sqm
		Roofing		
		total		

76		10.16 Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete :	5.50	mtr
		10.16.1 Ridges plain (500-600mm)		
		Ridge		
		total		
78		10.16.6 Gutter. (600 mm over all girth).	11.00	mtr
		Gutter		
		total		
79	As per Ammendment no 08, 05/05/2025 item no.14.60	Providing and applying of Acrylic primer on all surface applied @0.80 litres/10 sqm as per relevant I.S. code 15489:1974 (Product such as Asian Spark/suprimo , J.K. Primer, Dulux Acrylic Primer) with all tools tackles andlabour etc. complete for the work.	2269.00	Sq.M.
80	3.2 road sor	Excavation in Soil (by Mechanical Means.) Excavation for roadway in soil using mechanical means including loading in tipper for carrying of cut earth to embankment site and unloading with all lifts and lead upto 1000 meters as per relevantclauses of section 300.	420.00	Cu.M.

81	1.1	Transportation of metal i/c loading & unloading For a lead upto 1 Km.	336.00	CUM
		80% Of Excavated Qty.		
82	6.3	Providing and laying cement concrete for plain concrete/ reinforced concrete i/c form work, shuttering complete in as per drawings and specifications.(For Village roads _)		
		P.C.C. M-10	280.00	Cu.M.
		PCC Grade M 20	420.00	Cu.M.
83	3.3	Providing and laying design mix reinforced cement concrete with crushed graded stone aggregate 20mm nominal size using batching plant, transit mixer and concrete pump, in all works upto plinth level excluding cost of form work.		
	3.3.2	M-25 Grade		
		Parapet wall	18.33	Cum
<div> <div>SUB ENGINEER</div> <div>ASSISTANT ENGINEER</div> <div>EXECUTIVE ENGINEER</div> </div>				
<div> <div>ARCHITECT AND ENGINEER</div> <div>RAJHANS CONSULTANT AND TECHNOCRATS PVT. LTD. ,BHILAI</div> </div>				