

Bharat Heavy Electricals Limited
High Pressure Boiler Plant
Tiruchirappalli – 620 014. India
Civil Engineering Department (Factory)

TENDER DOCUMENT (PRICE BID)

Name of work : **Maintenance of Water supply & Plumbing works at BHEL Township,Trichy**

Value of work : **Rs.45 Lakhs + Applicable GST**

Tender Schedule No. : **CT:TS:020/19-20**

Period of Contract : **12 (Twelve) Months**

Tender evaluation cost : **Rs. 18 Lakhs**

EMD : **Rs. 36000/- (Rupees Thirty Six Thousand only)**

Issued to :

Date of Notification : **27.08.2019**

Last Date for Receipt of Tender : **17.09.2019 at 10.00 hrs**

**BHARAT HEAVY ELECTRICALS LIMITED
TIRUCHIRAPALLI - 620 014**

SCHEDULE - A

Name of Work: Maintenance of Water supply & Plumbing works at BHEL Township, Trichy

I / We _____ have read the condition of tender attached hereto and agree to abide by such conditions. I/We offer to execute the works in **CT:TS:20/19-20 for a period of 12 (Twelve) Months** at the percentage below / at par / above the rates contained in Bill of Quantities appended **below from Page 03.**

I / We further agree to sign an Agreement Bond to abide by the General Conditions of Contract and to carry out all works according to the specifications for materials and works of Bharat Heavy Electricals Limited, Tiruchirapalli-620 014. In case of acceptance of the tender by the BHEL, I/We bind myself/ourselves to execute the contract documents within 7 days after notice that my/our tender has been accepted and this contract has been awarded to me/us and thus failing which I/We shall have no objection to the forfeiture of the Earnest Money amount to **Rs. 36000/- (Rupees Thirty Six Thousand only)** lodged with Bharat Heavy Electricals Limited, Tiruchirapalli-620 014.

I / We further agree to include all tools & plants and consumables required for the work in my / our scope but required power and water will be provided at one point by BHEL at free of cost and based on this, we have quoted our percentage.

Note: Details & Quantities of each item of work shown in the BILL OF QUANTITIES are only approximate and the same is appended below. They are given as a guide for the purpose of tendering only and are liable to variation and alteration of the Competent Authority. The work under each item as executed shall be measured and priced at the overall percentage quoted by the contractor **Below (100-X) % / At par (100%) / Above (100+X) %** of the rates provided in Bill of Quantities appended below from **Page 03**

Sl. No.	Approx. Value of work	Common single percentage rate, Below (100-X) % / At par (100%) / Above (100+X) % to be quoted with respect to the BHEL estimate rate provided in Bill of Quantities appended below from Page 03	
		In Figures	In Words
1.	As per Split and award conditions (Excluding GST) SR given in Bill of Quantities shown below from page No3 = 100%		

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Note: BHEL estimate total 100% is given below. Contractor has to quote Common single percentage, Below (100-X) % / At par (100%) / Above (100+X) %, with respect to the estimate total in Bill of Quantities below, at page 2 both in figures and in words.

BHEL / TRICHY-620 014 , CIVIL ENGINEERING DEPARTMENT-FACTORY

BILL OF QUANTITIES

Name of work : Maintenance of Water supply & Plumbing works at BHEL Township,Trichy

Sl.no	S R Item	Matlcode No.	DESCRPITION	Unit	Rate (Rs)	Cement Consumption kg/unit
1	1101A	CS130001101A	Providing and fixing G.I pipes and specials (B - Class) of approved brand with G.I fittings and clamps on walls and floors, including cutting and making good the walls and floors etc. complete. (Internal work - exposed on walls) 15 mm dia nominal bore.	RM	147.10	0
2	1101B	CS130001101B	Providing and fixing G.I pipes and specials (B - Class) of approved brand with G.I fittings and clamps on walls and floors, including cutting and making good the walls and floors etc. complete. (Internal work - exposed on walls) 20 mm dia nominal bore.	RM	180.00	0
3	1101C	CS130001101C	Providing and fixing G.I pipes and specials (B - Class) of approved brand with G.I fittings and clamps on walls and floors, including cutting and making good the walls and floors etc. complete. (Internal work - exposed on walls) 25 mm dia nominal bore.	RM	239.65	0
4	1101D	CS130001101D	Providing and fixing G.I pipes and specials (B - Class) of approved brand with G.I fittings and clamps on walls and floors, including cutting and making good the walls and floors etc. complete. (Internal work - exposed on walls) 32 mm dia nominal bore.	RM	290.10	0

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5	1101E	CS130001101E	Providing and fixing G.I pipes and specials (B - Class) of approved brand with G.I fittings and clamps on walls and floors, including cutting and making good the walls and floors etc. complete. (Internal work - exposed on walls) 40 mm dia nominal bore.	RM	345.10	0
6	1101F	CS130001101F	Providing and fixing G.I pipes and specials (B - Class) of approved brand with G.I fittings and clamps on walls and floors, including cutting and making good the walls and floors etc. complete. (Internal work - exposed on walls) 50 mm dia nominal bore.	RM	431.55	0
7	1101G	CS130001101G	Providing and fixing G.I pipes and specials (B - Class) of approved brand with G.I fittings and clamps on walls and floors, including cutting and making good the walls and floors etc. complete. (Internal work - exposed on walls) 65 mm dia nominal bore.	RM	531.25	0
8	1101H	CS130001101H	Providing and fixing G.I pipes and specials (B - Class) of approved brand with G.I fittings and clamps on walls and floors, including cutting and making good the walls and floors etc. complete. (Internal work - exposed on walls) 80 mm dia nominal bore.	RM	677.65	0
9	1101I	CS130001101I	Providing and fixing G.I pipes and specials (B - Class) of approved brand with G.I fittings and clamps on walls and floors, including cutting and making good the walls and floors etc. complete. (Internal work - exposed on walls) 100 mm dia nominal bore.	RM	835.65	0
10	1101J	CS130001101J	Providing and fixing G.I pipes and specials (B - Class) of approved brand with G.I fittings and clamps on walls and floors, including cutting and making good the walls and floors etc. complete. (Internal work - exposed on walls) 125 mm dia nominal bore.	RM	1409.55	0
11	1101K	CS130001101K	Providing and fixing G.I pipes and specials (B - Class) of approved brand with G.I fittings and clamps on walls and floors, including cutting and making good the walls and floors etc. complete. (Internal work - exposed on walls) 150 mm dia nominal bore.	RM	1627.45	0

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12	1102	CS130001102	Making chases upto 7.50 x 7.50 cm in walls for concealed pipe line works etc. including making good to match with existing one after housing pipes etc. complete. Rate excludes cost of pipes.	RM	57.40	0
13	1103A	CS130001103A	Providing and laying G.I pipes and specials (B - Class) of approved brand with G.I fittings in trenches. (External work) Earth work excavation for trenches and refilling will be paid separately. 15 mm dia nominal bore.	RM	87	0
14	1103B	CS130001103B	Providing and laying G.I pipes and specials (B - Class) of approved brand with G.I fittings in trenches. (External work) Earth work excavation for trenches and refilling will be paid separately. 20 mm dia nominal bore.	RM	110.60	0
15	1103C	CS130001103C	Providing and laying G.I pipes and specials (B - Class) of approved brand with G.I fittings in trenches. (External work) Earth work excavation for trenches and refilling will be paid separately. 25 mm dia nominal bore.	RM	162.10	0
16	1103D	CS130001103D	Providing and laying G.I pipes and specials (B - Class) of approved brand with G.I fittings in trenches. (External work) Earth work excavation for trenches and refilling will be paid separately. 32 mm dia nominal bore.	RM	199.20	0
17	1103E	CS130001103E	Providing and laying G.I pipes and specials (B - Class) of approved brand with G.I fittings in trenches. (External work) Earth work excavation for trenches and refilling will be paid separately. 40 mm dia nominal bore.	RM	232.70	0
18	1103F	CS130001103F	Providing and laying G.I pipes and specials (B - Class) of approved brand with G.I fittings in trenches. (External work) Earth work excavation for trenches and refilling will be paid separately. 50 mm dia nominal bore.	RM	290.10	0
19	1103G	CS130001103G	Providing and laying G.I pipes and specials (B - Class) of approved brand with G.I fittings in trenches. (External work) Earth work excavation for trenches and refilling will be paid separately. 65 mm dia nominal bore.	RM	381.70	0
20	1103H	CS130001103H	Providing and laying G.I pipes and specials (B - Class) of approved brand with G.I fittings in trenches. (External work) Earth work excavation for trenches and refilling will be paid separately. 80 mm dia nominal bore.	RM	504.25	0

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21	1103I	CS130001103I	Providing and laying G.I pipes and specials (B - Class) of approved brand with G.I fittings in trenches. (External work) Earth work excavation for trenches and refilling will be paid separately. 100 mm dia nominal bore.	RM	650.95	0
22	1103J	CS130001103J	Providing and laying G.I pipes and specials (B - Class) of approved brand with G.I fittings in trenches. (External work) Earth work excavation for trenches and refilling will be paid separately. 125 mm dia nominal bore.	RM	1150.25	0
23	1103K	CS130001103K	Providing and laying G.I pipes and specials (B - Class) of approved brand with G.I fittings in trenches. (External work) Earth work excavation for trenches and refilling will be paid separately. 150 mm dia nominal bore.	RM	1360.80	0
24	1104A	CS130001104A	Providing and fixing PVC water pipes and specials conforming to ISS on walls and floors with clamps at one metre spacings, joining with proper adhesive as suggested by manufacturers, cutting and making good the wall etc. complete. (internal work - exposed on walls) PVC Pipe 18/20 mm OD (10 kg/Sq.cm)	RM	62.90	0
25	1104B	CS130001104B	Providing and fixing PVC water pipes and specials conforming to ISS on walls and floors with clamps at one metre spacings, joining with proper adhesive as suggested by manufacturers, cutting and making good the wall etc. complete. (internal work - exposed on walls) PVC Pipe 25 mm OD (10 kg/Sq.cm)	RM	80.05	0
26	1104C	CS130001104C	Providing and fixing PVC water pipes and specials conforming to ISS on walls and floors with clamps at one metre spacings, joining with proper adhesive as suggested by manufacturers, cutting and making good the wall etc. complete. (internal work - exposed on walls) PVC Pipe 32 mm OD (10 kg/Sq.cm)	RM	96.10	0
27	1104D	CS130001104D	Providing and fixing PVC water pipes and specials conforming to ISS on walls and floors with clamps at one metre spacings, joining with proper adhesive as suggested by manufacturers, cutting and making good the wall etc. complete. (internal work - exposed on walls) PVC Pipe 40 mm OD (6 kg/Sq.cm)	RM	119.65	0

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28	1104E	CS130001104E	Providing and fixing PVC water pipes and specials conforming to ISS on walls and floors with clamps at one metre spacings, joining with proper adhesive as suggested by manufacturers, cutting and making good the wall etc. complete. (internal work - exposed on walls) PVC Pipe 50 mm OD (6 kg/Sq.cm)	RM	156.80	0
29	1105A	CS130001105A	Providing and laying PVC water pipes and specials conforming to ISS in trenches, joining with proper adhesive as suggested by manufacturers etc. complete. (External work) Earth work excavation for trenches and refilling will be paid separately. PVC Pipe 18/20 mm OD (10 kg/Sq.cm)	RM	23.35	0
30	1105B	CS130001105B	Providing and laying PVC water pipes and specials conforming to ISS in trenches, joining with proper adhesive as suggested by manufacturers etc. complete. (External work) Earth work excavation for trenches and refilling will be paid separately. PVC Pipe 25 mm OD (10 kg/Sq.cm)	RM	32.35	0
31	1105C	CS130001105C	Providing and laying PVC water pipes and specials conforming to ISS in trenches, joining with proper adhesive as suggested by manufacturers etc. complete. (External work) Earth work excavation for trenches and refilling will be paid separately. PVC Pipe 32 mm OD (10 kg/Sq.cm)	RM	46.25	0
32	1105D	CS130001105D	Providing and laying PVC water pipes and specials conforming to ISS in trenches, joining with proper adhesive as suggested by manufacturers etc. complete. (External work) Earth work excavation for trenches and refilling will be paid separately. PVC Pipe 40 mm OD (6 kg/Sq.cm)	RM	51.10	0
33	1105E	CS130001105E	Providing and laying PVC water pipes and specials conforming to ISS in trenches, joining with proper adhesive as suggested by manufacturers etc. complete. (External work) Earth work excavation for trenches and refilling will be paid separately. PVC Pipe 50 mm OD (6 kg/Sq.cm)	RM	72.35	0
34	1105F	CS130001105F	Providing and laying PVC water pipes and specials conforming to ISS in trenches, joining with proper adhesive as suggested by manufacturers etc. complete. (External work) Earth work excavation for trenches and refilling will be paid separately. PVC Pipe 63 mm OD (6 kg/Sq.cm)	RM	108.50	0

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35	1105G	CS130001105G	Providing and laying PVC water pipes and specials conforming to ISS in trenches, joining with proper adhesive as suggested by manufacturers etc. complete. (External work) Earth work excavation for trenches and refilling will be paid separately. PVC Pipe 75 mm OD (6 kg/Sq.cm)	RM	150.70	0
36	1105H	CS130001105H	Providing and laying PVC water pipes and specials conforming to ISS in trenches, joining with proper adhesive as suggested by manufacturers etc. complete. (External work) Earth work excavation for trenches and refilling will be paid separately. PVC Pipe 90 mm OD (6 kg/Sq.cm)	RM	211.45	0
37	1105I	CS130001105I	Providing and laying PVC water pipes and specials conforming to ISS in trenches, joining with proper adhesive as suggested by manufacturers etc. complete. (External work) Earth work excavation for trenches and refilling will be paid separately. PVC Pipe 110 mm OD (6 kg/Sq.cm)	RM	294.65	0
38	1105J	CS130001105J	Providing and laying PVC water pipes and specials conforming to ISS in trenches, joining with proper adhesive as suggested by manufacturers etc. complete. (External work) Earth work excavation for trenches and refilling will be paid separately. PVC Pipe 140 mm OD (6 kg/Sq.cm)	RM	464.30	0
39	1105K	CS130001105K	Providing and laying PVC water pipes and specials conforming to ISS in trenches, joining with proper adhesive as suggested by manufacturers etc. complete. (External work) Earth work excavation for trenches and refilling will be paid separately. PVC Pipe 160 mm OD (6 kg/Sq.cm)	RM	594.70	0
40	1105L	CS130001105L	Providing and laying PVC water pipes and specials conforming to ISS in trenches, joining with proper adhesive as suggested by manufacturers etc. complete. (External work) Earth work excavation for trenches and refilling will be paid separately. PVC Pipe 180 mm OD (6 kg/Sq.cm)	RM	774.35	0
41	1105M	CS130001105M	Providing and laying PVC water pipes and specials conforming to ISS in trenches, joining with proper adhesive as suggested by manufacturers etc. complete. (External work) Earth work excavation for trenches and refilling will be paid separately. PVC Pipe 200 mm OD (6 kg/Sq.cm)	RM	941.90	0

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42	1106A	CS130001106A	Providing and fixing PVC pipes of 4 K.G / Sqcm conforming to ISS including joining with proper adhesive as suggested by manufacturers and suitable clamps for rain water pipes, drainage etc. Rate excludes all specials like shoe, bend, tee, tee with door etc. PVC Pipe 75 mm OD	RM	128.05	0
43	1106B	CS130001106B	Providing and fixing PVC pipes of 4 K.G / Sqcm conforming to ISS including joining with proper adhesive as suggested by manufacturers and suitable clamps for rain water pipes, drainage etc. Rate excludes all specials like shoe, bend, tee, tee with door etc. PVC Pipe 110 mm OD	RM	225.50	0
44	1106C	CS130001106C	Providing and fixing PVC pipes of 4 K.G / Sqcm conforming to ISS including joining with proper adhesive as suggested by manufacturers and suitable clamps for rain water pipes, drainage etc. Rate excludes all specials like shoe, bend, tee, tee with door etc. PVC Pipe 160 mm OD	RM	364.85	0
45	1107A	CS130001107A	Providing and fixing PVC moulded fittings / accessories on walls for rain water pipes conforming to IS 13592 Type A including joining with seal rings conforming to IS 5382 and proper adhesive as suggested by manufacturers etc., complete. 75 x75 x 75 mm single tee with door.	EA	134.50	0
46	1107B	CS130001107B	Providing and fixing PVC moulded fittings / accessories on walls for rain water pipes conforming to IS 13592 Type A including joining with seal rings conforming to IS 5382 and proper adhesive as suggested by manufacturers etc., complete. 110 x 110 x 110 mm single tee with door.	EA	197.90	0
47	1107C	CS130001107C	Providing and fixing PVC moulded fittings / accessories on walls for rain water pipes conforming to IS 13592 Type A including joining with seal rings conforming to IS 5382 and proper adhesive as suggested by manufacturers etc., complete. 160 x 160 x 160 mm single tee with door.	EA	335.15	0
48	1107D	CS130001107D	Providing and fixing PVC moulded fittings / accessories on walls for rain water pipes conforming to IS 13592 Type A including joining with seal rings conforming to IS 5382 and proper adhesive as suggested by manufacturers etc., complete. 75 x75 x 75 mm single tee without door.	EA	119.10	0

49	1107E	CS130001107E	Providing and fixing PVC moulded fittings / accessories on walls for rain water pipes conforming to IS 13592 Type A including joining with seal rings conforming to IS 5382 and proper adhesive as suggested by manufacturers etc., complete. 110 x110 x 110 mm single tee without door.	EA	174.80	0
50	1107F	CS130001107F	Providing and fixing PVC moulded fittings / accessories on walls for rain water pipes conforming to IS 13592 Type A including joining with seal rings conforming to IS 5382 and proper adhesive as suggested by manufacturers etc., complete. 160 x160 x 160 mm single tee without door.	EA	288.85	0
51	1107G	CS130001107G	Providing and fixing PVC moulded fittings / accessories on walls for rain water pipes conforming to IS 13592 Type A including joining with seal rings conforming to IS 5382 and proper adhesive as suggested by manufacturers etc., complete. 75 mm shoe	EA	68.60	0
52	1107H	CS130001107H	Providing and fixing PVC moulded fittings / accessories on walls for rain water pipes conforming to IS 13592 Type A including joining with seal rings conforming to IS 5382 and proper adhesive as suggested by manufacturers etc., complete. 110 mm shoe	EA	101.70	0
53	1107I	CS130001107I	Providing and fixing PVC moulded fittings / accessories on walls for rain water pipes conforming to IS 13592 Type A including joining with seal rings conforming to IS 5382 and proper adhesive as suggested by manufacturers etc., complete. 160 mm shoe	EA	174.90	0
54	1107J	CS130001107J	Providing and fixing PVC moulded fittings / accessories on walls for rain water pipes conforming to IS 13592 Type A including joining with seal rings conforming to IS 5382 and proper adhesive as suggested by manufacturers etc., complete. 75 mm bend	EA	81.90	0
55	1107K	CS130001107K	Providing and fixing PVC moulded fittings / accessories on walls for rain water pipes conforming to IS 13592 Type A including joining with seal rings conforming to IS 5382 and proper adhesive as suggested by manufacturers etc., complete. 110 mm bend	EA	150.25	0

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56	1107L	CS130001107L	Providing and fixing PVC moulded fittings / accessories on walls for rain water pipes conforming to IS 13592 Type A including joining with seal rings conforming to IS 5382 and proper adhesive as suggested by manufacturers etc., complete. 160 mm bend	EA	191.50	0
57	1108A	CS130001108A	Providing and fixing in position of brass wheel valve / gate valve (G.M) of approved brand with C.I wheel etc. complete. (ISI marked) 15 to 25 mm nominal bore	EA	421.70	0
58	1108B	CS130001108B	Providing and fixing in position of brass wheel valve / gate valve (G.M) of approved brand with C.I wheel etc. complete. (ISI marked) 32 mm nominal bore	EA	545.35	0
59	1108C	CS130001108C	Providing and fixing in position of brass wheel valve / gate valve (G.M) of approved brand with C.I wheel etc. complete. (ISI marked) 40 mm nominal bore	EA	712.80	0
60	1108D	CS130001108D	Providing and fixing in position of brass wheel valve / gate valve (G.M) of approved brand with C.I wheel etc. complete. (ISI marked) 50 mm nominal bore	EA	962.70	0
61	1108E	CS130001108E	Providing and fixing in position of brass wheel valve / gate valve (G.M) of approved brand with C.I wheel etc. complete. (ISI marked) 80 mm nominal bore	EA	2730.25	0
62	1108F	CS130001108F	Providing and fixing in position of brass wheel valve / gate valve (G.M) of approved brand with C.I wheel etc. complete. (ISI marked) 100 mm nominal bore	EA	4972.00	0
63	1109A	CS130001109A	Providing and fixing in position C.P brass bib cock / stop cock (Medium Duty) of approved brand (ISI marked) 15 mm nominal bore.	EA	207.55	0
64	1109B	CS130001109B	Providing and fixing in position C.P brass bib cock / stop cock (Medium Duty) of approved brand (ISI marked) 20 mm nominal bore.	EA	265.25	0
65	1109C	CS130001109C	Providing and fixing in position C.P brass bib cock / stop cock (Medium Duty) of approved brand (ISI marked) 25 mm nominal bore.	EA	342.10	0
66	1110A	CS130001110A	Providing and fixing in position of following of approved brand (ISI marked) 15 mm nominal bore C.P brass long nose bibcock	EA	748.70	0
67	1110B	CS130001110B	Providing and fixing in position of following of approved brand (ISI marked) 15mm nominal C.P brass stop cock	EA	585.95	0

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			(concealed)			
68	1110C	CS130001110C	Providing and fixing in position of following of approved brand (ISI marked) 15 mm nominal C.P brass long body bibcock	EA	577.10	0
69	1111	CS1300001111	Providing and fixing in position 15 mm nominal bore C.P brass angle valve for basin mixer and geyser points of approved brand (ISI marked)	EA	479.85	0
70	1112	CS1300001112	Providing and fixing in position 100 mm dia C.P brass shower rose (tilting type) of approved brand with 15 or 20 mm dia inlet.	EA	67.65	0
71	1113	CS1300001113	Providing and fixing in position of white glazed earthenware wash basin of size 550 x 400 x 225 mm of approved brand with M.S or C.I brackets painted with two coats of synthetic enamel paint, single 15 mm C.P brass pillar tap and C.P brass chain with rubber plug, 32 mm C.P brass waste coupling of standard pattern, 32 mm dia PVC flexible waste pipe etc. complete, including cutting and making good the walls wherever required.	EA	1605.80	0
72	1114	CS1300001114	Providing built-in-wash basin of inner dimension 0.30 x 0.25 m with 50 mm thick bottom slab in cement concrete 1:2:4, using 12 to 20 mm size hard broken granite stone jelly and 30 mm thick side walls in cement concrete 1:2:4 using 6 mm granite stone chips applied over chickenmesh and finished with insitu gray mosaic of 10 mm thick wearing layer on both faces. Rate includes cost of all materials, labour, centering, curing and all other incidentals but excluding cost of binding wire and fabrication charges for grills.	RM	1154.50	0
73	1115A	CS130001115A	Providing and fixing in position of towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour. (600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 grams) PTMT towel rail 600 mm	EA	382.05	0

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74	1115B	CS130001115B	Providing and fixing in position of towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour. (600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 grams) Brass chromium plated towel rail 600 mm and 20 mm dia	EA	399.65	0
75	1115C	CS130001115C	Providing and fixing in position of towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour. (600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 grams) Anodised aluminium Towel rail 60cm long and 20mm dia with brackets	EA	266.55	0
76	1116A	CS130001116A	Providing and fixing 600 x 450 x 5 mm bevelled edge mirror of superior glass (approved brand) mounted on 5/6 mm thick hard board / ply wood / plastic folder sheet, fixed to wooden cleats with C.P brass screws and washers, etc. complete. 600 x 450 x 5 mm bevelled edge mirror	EA	374.00	0
77	1116B	CS130001116B	Providing and fixing 600 x 450 x 5 mm bevelled edge mirror of superior glass (approved brand) mounted on 5/6 mm thick hard board / ply wood / plastic folder sheet, fixed to wooden cleats with C.P brass screws and washers, etc. complete. Circular shape 450 mm dia Mirror with Plastic moulded frame	EA	528.00	0
78	1116C	CS130001116C	Providing and fixing 600 x 450 x 5 mm bevelled edge mirror of superior glass (approved brand) mounted on 5/6 mm thick hard board / ply wood / plastic folder sheet, fixed to wooden cleats with C.P brass screws and washers, etc. complete. Rectangular shape 453x357 mm Mirror with Plastic moulded frame	EA	363.00	0
79	1116D	CS130001116D	Providing and fixing 600 x 450 x 5 mm bevelled edge mirror of superior glass (approved brand) mounted on 5/6 mm thick hard board / ply wood / plastic folder sheet, fixed to wooden cleats with C.P brass screws and washers, etc. complete. Oval shape 450x350 mm (outer dimensions) Mirror with Plastic	EA	418.00	0

80	1116E	CS130001116E	Providing and fixing 600 x 450 x 5 mm bevelled edge mirror of superior glass (approved brand) mounted on 5/6 mm thick hard board / ply wood / plastic folder sheet, fixed to wooden cleats with C.P brass screws and washers, etc. complete. Rectangular shape 1500x450 mm Mirror with Plastic moulded frame	EA	803.00	0
81	1117	CS1300001117	Providing and fixing in position of 600 x 120 x 5 mm glass shelf (approved brand) with edges rounded off, supported on anodised aluminium angle frame with C.P brackets fixed with screws , rawl plugs etc. complete.	EA	308.00	0
82	1118	CS1300001118	Providing and fixing RCC precast sink of size 60 x 45 x 25 cm in cement concrete of mix 1:2:4 for 25 mm thick bottom slab and 20 mm thick side walls using 6 mm granite stone jelly, applied on chickenmesh and plastered both sides with cement mortar 1:4, 12 mm thick and finished smooth, supply and fixing PVC waste pipe 32 mm dia. with necessary coupling. etc., complete. Rate includes cost of all materials, labour, curing, carrying and fixing in position etc. but excluding cost of binding wire and fabrication charges for grills, all as per standard specifications.	EA	1244.40	0
83	1119A	CS130001119A	Providing and fixing in position of ready made sink including PVC flexible waste pipe of 32 mm dia with necessary C.P waste coupling etc. complete. Cudappa sink of size 600X450X200 or thereabouts (outer dimensions) - 12 mm thick.	EA	766.10	0
84	1119B	CS130001119B	Providing and fixing in position of ready made sink including PVC flexible waste pipe of 32 mm dia with necessary C.P waste coupling etc. complete. Cudappa sink of size 600X600X200 or thereabouts (outer dimensions) - 12 mm thick.	EA	932.15	0
85	1119C	CS130001119C	Providing and fixing in position of ready made sink including PVC flexible waste pipe of 32 mm dia with necessary C.P waste coupling etc. complete. Marble (white) sink of size 23" x 17" x 9"/10" or thereabouts (outer dimensions) - 12 mm thick.	EA	1174.80	0
86	1119D	CS130001119D	Providing and fixing in position of ready made sink including PVC flexible waste pipe of 32 mm dia with necessary C.P waste coupling etc. complete. Marble (white) sink of size 23" x 23" x 9"/10" or thereabouts (outer dimensions) - 12 mm thick.	EA	1460.80	0

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87	1119E	CS130001119E	Providing and fixing in position of ready made sink including PVC flexible waste pipe of 32 mm dia with necessary C.P waste coupling etc. complete. Granite (black) sink of size 23" x 17" x 9"/10" or thereabouts (outer dimensions) - 12 mm thick.	EA	1614.80	0
88	1119F	CS130001119F	Providing and fixing in position of ready made sink including PVC flexible waste pipe of 32 mm dia with necessary C.P waste coupling etc. complete. Granite (black) sink of size 23" x 23" x 9"/10" or thereabouts (outer dimensions) - 12 mm thick.	EA	1900.80	0
89	1120	CS130001120	Conveying RCC/ ready made sink from BHEL stores to site of work and fixing in proper position with cement mortar including supply and fixing 32 mm dia PVC waste pipe with necessary coupling etc. complete. Rate excludes cost of sink which will be supplied by BHEL at stores at free of cost.	EA	181.50	0
90	1121	CS1300001121	Providing and fixing in position of 100 x 75 mm Nahani trap with PVC grating, all as per standard specifications.	EA	182.70	0
91	1122	CS1300001122	Providing and fixing in position of 150 mm SW gully trap with HCI grating, all as per standard specifications.	EA	288.75	0
92	1123A	CS130001123A	Providing and fixing in position of brass ball valve of approved brand with plastic float fitted with brass rod etc. complete. 20mm nominal bore	EA	385.80	0
93	1123B	CS130001123B	Providing and fixing in position of brass ball valve of approved brand with plastic float fitted with brass rod etc. complete. 25mm nominal bore	EA	432.30	0
94	1124A	CS130001124A	Providing and fixing in position of Indian type white glazed earthenware water closet pan of approved brand with suitable P or S trap including a pair of white glazed foot rest etc. complete. 580 mm size	EA	1112.35	0
95	1124B	CS130001124B	Providing and fixing in position of Indian type white glazed earthenware water closet pan of approved brand with suitable P or S trap including a pair of white glazed foot rest etc. complete. 500 mm size	EA	1579.85	0
96	1125A	CS130001125A	Providing and fixing in position of orissa pattern water closet of approved brand with integral type foot rests,suitable P or S trap etc. complete. 580 mm size (White) (Parryware/Neycer/Cera)	EA	1815.25	0

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97	1125B	CS130001125B	Providing and fixing in position of orissa pattern water closet of approved brand with integral type foot rests,suitable P or S trap etc. complete. 580 mm size (colour)	EA	2146.35	0
98	1126	CS1300001126	Providing and fixing in position of 25 mm nominal bore C.P half turn flush valve of approved brand (ISI marked) in pipe lines.	EA	1017.50	0
99	1127A	CS130001127A	Providing and fixing in position of pedestal type water closet (European type W.C pan) 400 mm high of approved brand with seat and lid, C.P brass hinges and rubber buffers, 10 litre PVC low level flushing cistern with fittings and painted C.I / M.S brackets with 15 mm PVC connection, 32/40 mm PVC flush bend with fittings and clamps, over flow arrangement with specials and mosquito proof coupling including painting of fittings and brackets, cutting and making good the walls and floors wherever required etc. complete. White glazed (white seat and lid)	EA	4530.05	0
100	1127B	CS130001127B	Providing and fixing in position of pedestal type water closet (European type W.C pan) 400 mm high of approved brand with seat and lid, C.P brass hinges and rubber buffers, 10 litre PVC low level flushing cistern with fittings and painted C.I / M.S brackets with 15 mm PVC connection, 32/40 mm PVC flush bend with fittings and clamps, over flow arrangement with specials and mosquito proof coupling including painting of fittings and brackets, cutting and making good the walls and floors wherever required etc. complete. Colour glazed with colour seat and lid	EA	4931.55	0
101	1128	CS1300001128	Providing and fixing in position of 10 litre low level PVC flushing cistern of approved make with fittings and flush pipe etc. complete.	EA	679.95	0
102	1129	CS1300001129	Providing and fixing in position 32 mm dia G.I flush pipe with brass union for high level flushing cistern including cutting and making good the walls and floors etc. complete.	EA	543.95	0

103	1130A	CS130001130A	Providing and fixing in position of white glazed earthenware urinal of approved brand with teakwood plugs and screws/clamps, including standard PVC flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, cutting of floor and walls and making good all damages and finishing to match with the existing work etc., complete. Flat back angular lipped urinal of 430 x 260 x 350 mm or 340 x 410 x 265 mm	EA	1383.50	0
104	1130B	CS130001130B	Providing and fixing in position of white glazed earthenware urinal of approved brand with teakwood plugs and screws/clamps, including standard PVC flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, cutting of floor and walls and making good all damages and finishing to match with the existing work etc., complete. Flat back half stall urinal of size 580x380x350 mm	EA	2606.70	0
105	1131A	CS130001131A	Providing, laying in proper grade and alignment and joining glazed stoneware pipes of approved brand with stiff mixture of cement mortar 1:1 and spun yarn including testing of joints etc.complete. 100 mm dia S.W Pipes	RM	176.75	0.64
106	1131B	CS130001131B	Providing, laying in proper grade and alignment and joining glazed stoneware pipes of approved brand with stiff mixture of cement mortar 1:1 and spun yarn including testing of joints etc.complete. 150 mm dia S.W Pipes	RM	270.45	1.2
107	1131C	CS130001131C	Providing, laying in proper grade and alignment and joining glazed stoneware pipes of approved brand with stiff mixture of cement mortar 1:1 and spun yarn including testing of joints etc.complete. 200 mm dia S.W Pipes	RM	402.65	1.77
108	1131D	CS130001131D	Providing, laying in proper grade and alignment and joining glazed stoneware pipes of approved brand with stiff mixture of cement mortar 1:1 and spun yarn including testing of joints etc.complete. 225 mm dia S.W Pipes	RM	491.75	2.17

109	1132A	CS130001132A	Providing rectangular/circular manhole as per Drawing for the following depths. Rate includes earth work excavation in all soils (except hard rock requiring blasting) including soft disintegrated rock, watering and ramming of foundation bed, providing cement concrete 1:4:8 in foundation, including necessary slope and forming channels smoothly finished in C.M 1:2, brick work in C.M 1:5 for arch ring, etc., using standard approved bricks, plastering in cement mortar 1:4 for side walls (outside and inside), cement concrete 1:2:4 using 12 to 20 mm HBGS jelly for manhole cover fixing, providing and fixing C.I steps for ladder rungs, etc., complete. Rate includes an initial lead of 10 m and all lifts for excavation and other charges etc., complete, but excludes cost of manhole cover and frame. Upto 0.90 m depth (Rectangular)	EA	4131.75	128
110	1132B	CS130001132B	Providing rectangular/circular manhole as per Drawing for the following depths. Rate includes earth work excavation in all soils (except hard rock requiring blasting) including soft disintegrated rock, watering and ramming of foundation bed, providing cement concrete 1:4:8 in foundation, including necessary slope and forming channels smoothly finished in C.M 1:2, brick work in C.M 1:5 for arch ring, etc., using standard approved bricks, plastering in cement mortar 1:4 for side walls (outside and inside), cement concrete 1:2:4 using 12 to 20 mm HBGS jelly for manhole cover fixing, providing and fixing C.I steps for ladder rungs, etc., complete. Rate includes an initial lead of 10 m and all lifts for excavation and other charges etc., complete, but excludes cost of manhole cover and frame. Above 0.90 and upto 1.20 m depth (Rectangular)	EA	6589.65	278.01

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111	1132C	CS130001132C	Providing rectangular/circular manhole as per Drawing for the following depths. Rate includes earth work excavation in all soils (except hard rock requiring blasting) including soft disintegrated rock, watering and ramming of foundation bed, providing cement concrete 1:4:8 in foundation, including necessary slope and forming channels smoothly finished in C.M 1:2, brick work in C.M 1:5 for arch ring, etc., using standard approved bricks, plastering in cement mortar 1:4 for side walls (outside and inside), cement concrete 1:2:4 using 12 to 20 mm HBGS jelly for manhole cover fixing, providing and fixing C.I steps for ladder rungs, etc., complete. Rate includes an initial lead of 10 m and all lifts for excavation and other charges etc., complete, but excludes cost of manhole cover and frame. Above 1.20 and upto 1.50 m depth (Rectangular)	EA	8361.35	320.31
112	1132D	CS130001132D	Providing rectangular/circular manhole as per Drawing for the following depths. Rate includes earth work excavation in all soils (except hard rock requiring blasting) including soft disintegrated rock, watering and ramming of foundation bed, providing cement concrete 1:4:8 in foundation, including necessary slope and forming channels smoothly finished in C.M 1:2, brick work in C.M 1:5 for arch ring, etc., using standard approved bricks, plastering in cement mortar 1:4 for side walls (outside and inside), cement concrete 1:2:4 using 12 to 20 mm HBGS jelly for manhole cover fixing, providing and fixing C.I steps for ladder rungs, etc., complete. Rate includes an initial lead of 10 m and all lifts for excavation and other charges etc., complete, but excludes cost of manhole cover and frame. Above 1.50 and upto 1.80 m depth (Rectangular)	EA	9284.90	332.1

113	1132E	CS130001132E	Providing rectangular/circular manhole as per Drawing for the following depths. Rate includes earth work excavation in all soils (except hard rock requiring blasting) including soft disintegrated rock, watering and ramming of foundation bed, providing cement concrete 1:4:8 in foundation, including necessary slope and forming channels smoothly finished in C.M 1:2, brick work in C.M 1:5 for arch ring, etc., using standard approved bricks, plastering in cement mortar 1:4 for side walls (outside and inside), cement concrete 1:2:4 using 12 to 20 mm HBGS jelly for manhole cover fixing, providing and fixing C.I steps for ladder rungs, etc., complete. Rate includes an initial lead of 10 m and all lifts for excavation and other charges etc., complete, but excludes cost of manhole cover and frame. Above 1.80 and upto 2.10 m depth (Rectangular)	EA	10773.80	367.94
114	1132F	CS130001132F	Providing rectangular/circular manhole as per Drawing for the following depths. Rate includes earth work excavation in all soils (except hard rock requiring blasting) including soft disintegrated rock, watering and ramming of foundation bed, providing cement concrete 1:4:8 in foundation, including necessary slope and forming channels smoothly finished in C.M 1:2, brick work in C.M 1:5 for arch ring, etc., using standard approved bricks, plastering in cement mortar 1:4 for side walls (outside and inside), cement concrete 1:2:4 using 12 to 20 mm HBGS jelly for manhole cover fixing, providing and fixing C.I steps for ladder rungs, etc., complete. Rate includes an initial lead of 10 m and all lifts for excavation and other charges etc., complete, but excludes cost of manhole cover and frame. Above 2.10 and upto 2.40 m depth (Rectangular)	EA	12463.50	403.63

115	1132G	CS130001132G	Providing rectangular/circular manhole as per Drawing for the following depths. Rate includes earth work excavation in all soils (except hard rock requiring blasting) including soft disintegrated rock, watering and ramming of foundation bed, providing cement concrete 1:4:8 in foundation, including necessary slope and forming channels smoothly finished in C.M 1:2, brick work in C.M 1:5 for arch ring, etc., using standard approved bricks, plastering in cement mortar 1:4 for side walls (outside and inside), cement concrete 1:2:4 using 12 to 20 mm HBGS jelly for manhole cover fixing, providing and fixing C.I steps for ladder rungs, etc., complete. Rate includes an initial lead of 10 m and all lifts for excavation and other charges etc., complete, but excludes cost of manhole cover and frame. Above 2.40 and upto 2.70 m depth (Rectangular)	EA	15600.85	594.62
116	1132H	CS130001132H	Providing rectangular/circular manhole as per Drawing for the following depths. Rate includes earth work excavation in all soils (except hard rock requiring blasting) including soft disintegrated rock, watering and ramming of foundation bed, providing cement concrete 1:4:8 in foundation, including necessary slope and forming channels smoothly finished in C.M 1:2, brick work in C.M 1:5 for arch ring, etc., using standard approved bricks, plastering in cement mortar 1:4 for side walls (outside and inside), cement concrete 1:2:4 using 12 to 20 mm HBGS jelly for manhole cover fixing, providing and fixing C.I steps for ladder rungs, etc., complete. Rate includes an initial lead of 10 m and all lifts for excavation and other charges etc., complete, but excludes cost of manhole cover and frame. Above 2.70 and upto 3.00 m depth (Rectangular)	EA	16756.65	618.57

117	1132I	CS130001132I	Providing rectangular/circular manhole as per Drawing for the following depths. Rate includes earth work excavation in all soils (except hard rock requiring blasting) including soft disintegrated rock, watering and ramming of foundation bed, providing cement concrete 1:4:8 in foundation, including necessary slope and forming channels smoothly finished in C.M 1:2, brick work in C.M 1:5 for arch ring, etc., using standard approved bricks, plastering in cement mortar 1:4 for side walls (outside and inside), cement concrete 1:2:4 using 12 to 20 mm HBGS jelly for manhole cover fixing, providing and fixing C.I steps for ladder rungs, etc., complete. Rate includes an initial lead of 10 m and all lifts for excavation and other charges etc., complete, but excludes cost of manhole cover and frame. Above 3.00 and upto 3.30 m depth (Rectangular)	EA	18619.60	654.69
118	1132J	CS130001132J	Providing rectangular/circular manhole as per Drawing No.D/1016065 for the following depths. Rate includes earth work excavation in all soils (except hard rock requiring blasting) including soft disintegrated rock, watering and ramming of foundation bed, providing cement concrete 1:4:8 in foundation, including necessary slope and forming channels smoothly finished in C.M 1:2, brick work in C.M 1:5 for arch ring, etc., using standard approved bricks, plastering in cement mortar 1:4 for side walls (outside and inside), cement concrete 1:2:4 using 12 to 20 mm HBGS jelly for manhole cover fixing, providing and fixing C.I steps for ladder rungs, etc., complete. Rate includes an initial lead of 10 m and all lifts for excavation and other charges etc., complete, but excludes cost of manhole cover and frame. Above 3.30 and upto 3.60 m depth (Rectangular)	EA	20482.55	690.82
119	1133A	CS130001133A	Supply and fixing C.I cover without frame for manholes/gully traps. 500 mm dia C.I cover only (Medium duty) Weight of the cover to be not less than 58 K.G.	EA	2587.35	0
120	1133B	CS130001133B	Supply and fixing C.I cover with frame for manholes/gully traps. 500 mm dia C.I cover (Medium duty) Total weight of cover and frame to be not less than 116 K.G (Weight of cover 58 K.G and weight of frame 58 K.G)	EA	5309.70	0

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121	1133C	CS130001133C	Supply and fixing C.I cover without frame for manholes/gully traps. 560 mm dia C.I cover only. (Heavy duty) Weight of cover to be not less than 108 K.G.	EA	5562.35	0
122	1133D	CS130001133D	Supply and fixing C.I cover with frame for manholes/gully traps. 560 mm dia C.I cover . (Heavy duty) Total weight of cover and frame to be not less than 208 K.G (Weight of cover 108 K.G and weight of frame 100 K.G)	EA	10045.20	0
123	1133E	CS130001133E	Supply and fixing C.I cover without frame for manholes/gully traps. 300 x 300 mm C.I cover for gully trap (standard pattern) The weight of cover to be not less than 4.50 K.G.	EA	260.60	0
124	1134	CS1300001134	Labour charges for laying centrifugally C.I pipes (S and S or flanged pipes) in trenches to proper grade and alignment. Rate excludes cost of pipes.	MT	1020.45	0
125	1135	CS1300001135	Labour charges for laying C.I specials such as tees, bends, collars, tapers, caps etc. in trenches to proper alignment. Rate excludes cost of specials.	MT	1960.45	0
126	1136A	CS130001136A	Labour charges for cutting C.I pipes true to axis and filing smoothly and finishing the ends complete. 80 mm dia C.I pipe.	EA	44.65	0
127	1136B	CS130001136B	Labour charges for cutting C.I pipes true to axis and filing smoothly and finishing the ends complete. 100 mm dia C.I pipe.	EA	60.10	0
128	1136C	CS130001136C	Labour charges for cutting C.I pipes true to axis and filing smoothly and finishing the ends complete. 125 mm dia C.I pipe.	EA	83.90	0
129	1136D	CS130001136D	Labour charges for cutting C.I pipes true to axis and filing smoothly and finishing the ends complete. 150 mm dia C.I pipe.	EA	113.10	0
130	1136E	CS130001136E	Labour charges for cutting C.I pipes true to axis and filing smoothly and finishing the ends complete. 200 mm dia C.I pipe.	EA	150.85	0
131	1136F	CS130001136F	Labour charges for cutting C.I pipes true to axis and filing smoothly and finishing the ends complete. 250 mm dia C.I pipe.	EA	186.95	0
132	1136G	CS130001136G	Labour charges for cutting C.I pipes true to axis and filing smoothly and finishing the ends complete. 300 mm dia C.I pipe.	EA	224.70	0

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133	1136H	CS130001136H	Labour charges for cutting C.I pipes true to axis and filing smoothly and finishing the ends complete. 350 mm dia C.I pipe.	EA	260.80	0
134	1136I	CS130001136I	Labour charges for cutting C.I pipes true to axis and filing smoothly and finishing the ends complete. 400 mm dia C.I pipe.	EA	298.30	0
135	1136J	CS130001136J	Labour charges for cutting C.I pipes true to axis and filing smoothly and finishing the ends complete. 450 mm dia C.I pipe.	EA	334.65	0
136	1137A	CS130001137A	Providing lead caulked joints to C.I pipes and specials including testing of joints but excluding cost of pig lead. 80 / 100 mm dia pipe.	EA	163.50	0
137	1137B	CS130001137B	Providing lead caulked joints to C.I pipes and specials including testing of joints but excluding cost of pig lead. 125 / 150 mm dia pipe.	EA	241.50	0
138	1137C	CS130001137C	Providing lead caulked joints to C.I pipes and specials including testing of joints but excluding cost of pig lead. 200 / 250 mm dia pipe.	EA	365.95	0
139	1137D	CS130001137D	Providing lead caulked joints to C.I pipes and specials including testing of joints but excluding cost of pig lead. 300 / 350 mm dia pipe.	EA	498.25	0
140	1137E	CS130001137E	Providing lead caulked joints to C.I pipes and specials including testing of joints but excluding cost of pig lead. 400 / 450 mm dia pipe.	EA	698.95	0
141	1138A	CS130001138A	Providing flanged joints to double flanged C.I pipes and specials including testing of joints, 3 mm thick rubber insertions, suitable bolts and nuts etc. complete. 100 / 125 mm dia pipe.	EA	173.25	0
142	1138B	CS130001138B	Providing flanged joints to double flanged C.I pipes and specials including testing of joints, 3 mm thick rubber insertions, suitable bolts and nuts etc. complete. 150 / 200 mm dia pipe.	EA	208.55	0
143	1138C	CS130001138C	Providing flanged joints to double flanged C.I pipes and specials including testing of joints, 3 mm thick rubber insertions, suitable bolts and nuts etc. complete. 250 / 300 mm dia pipe.	EA	323.45	0
144	1138D	CS130001138D	Providing flanged joints to double flanged C.I pipes and specials including testing of joints, 3 mm thick rubber insertions, suitable bolts and nuts etc. complete. 350 / 400	EA	453.75	0

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			mm dia pipe.			
145	1138E	CS130001138E	Providing flanged joints to double flanged C.I pipes and specials including testing of joints, 3 mm thick rubber insertions, suitable bolts and nuts etc. complete. 450 / 500 mm dia pipe.	EA	836.75	0
146	1139	CS1300001139	Desludging and cleaning the underground equalising reservoirs by dewatering, scraping the silt deposited on floor, brushing, swabbing, cleaning, scraping side walls and floors with bleaching powder, removing dirt, moss, cleaning the reservoirs with fresh water etc. complete. Rate includes labour, scaffolding, brushes, brooms etc. complete. Bleaching powder, electrical/diesel operated pumps with power/diesel and fresh water will be supplied by BHEL at free of charges.	M2	6.00	0
147	1140	CS1300001140	Cleaning the main over head water tanks by dewatering, scouring the silt deposited on the floor of tanks, removing cobweb, brushing, scraping the side walls and floors of inner and outer compartments using cleaning powder, removal of sediment, applying cleaning powder on all interior surfaces and kept under disinfection for a minimum of 12 hour, then washing thoroughly with clean water without any residual cleaning powder or any foreign matter etc. complete. Rate includes all labour, brushes, brooms etc. Cleaning powder will be supplied by BHEL at stores at free of cost. Payment will be made for the floors and inside walls of the water tanks. (Staging height may vary from 15 to 23 M from ground level)	SQM	6.50	0

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148	1141	CS1300001141	Cleaning of over head water tank of 500 cum capacity with a staging height of 23 to 40 M from ground level by de-watering, removing algae, fungus, scouring the silt deposited on the floors of the tank, removing cobweb, brushing, scraping the side walls of inner and outer shells, floors, columns and beams using necessary cleaning powder on all interior surfaces and kept under disinfection for a minimum of 12 hour, then washing thoroughly with clean water without any residual cleaning powder or any other foreign matter etc., complete. Necessary cleaning powder, brushes, brooms and ladder will be supplied by BHEL at stores at free of cost. Contractor has to take all safety precautions.	EAC H	4880.75	0
149	1142A	CS130001142A	Replacement to the damaged water closet by providing new Orissa water closet pan of approved brand with suitable trap. Rate includes dismantling the damaged water closet with foot rests, trap, ellis/mosaic floor finish with base concrete, sand and refilling with fresh river sand, providing new Orissa pan with trap and fixing in position, providing 20 mm thick ellis pattern finish over 75 mm thick floor concrete in PCC 1:5:10 using 40 mm size stone jelly for that area, finishing the side walls to match with the existing one etc. complete. 580 mm size (White)	EAC H	1617.90	0
150	1142B	CS130001142B	Replacement to the damaged water closet by providing new Orissa water closet pan of approved brand with suitable trap. Rate includes dismantling the damaged water closet with foot rests, trap, ellis/mosaic floor finish with base concrete, sand and refilling with fresh river sand, providing new Orissa pan with trap and fixing in position, providing 20 mm thick ellis pattern finish over 75 mm thick floor concrete in PCC 1:5:10 using 40 mm size stone jelly for that area, finishing the side walls to match with the existing one etc. complete. 580 mm size (White), but with 20 mm thick insitu mosaic floor finish as per usual practice instead of ellis pattern finish.	EAC H	1788.40	0
151	1143	CS1300001143	Replacement to the damaged European water closet by providing new white glazed European water closet (white) 400 mm high of approved brand with seat andandlid. Rate includes dismantling the damaged water closet, providing new EWC, fixing, all labour etc. complete.	EAC H	1495.60	0

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152	1144	CS1300001144	Labour charges for dismantling the trap alone without damaging the water closet and refixing with new trap supplied by BHEL at stores at free of cost and making good all damages and finishing to match with the existing one etc.complete.	EAC H	211.75	0
153	1145	CS1300001145	Replacement to the damaged nahani trap by providing and fixing in position of new PVC nahani trap 100 x 75 mm with grating as per std. specns. Rate includes labour for dismantling the existing trap, refixing with new one, making good all damages and finishing to match with the existing one etc., complete.	EAC H	352.00	0
154	1146	CS1300001146	Providing 32 mm dia PVC waste pipe to sink with necessary coupling etc complete.	EAC H	49.50	0
155	1147A	CS130001147A	Cleaning and complete removal of all the obstructions/blockage accumulated such as silt, sand, debris, all other wastes etc. from manhole and disposing the same in the near by low level areas. Scope includes opening the manhole cover, removing all the blockage such as silt, sand, debris, all other wastes etc., lifting, disposing the same in the near by low level areas, all labour, tools, repositioning the manhole cover after finishing the job etc.complete. Manhole upto 1.50 metre depth	EAC H	168.50	0
156	1147B	CS130001147B	Cleaning and complete removal of all the obstructions/blockage accumulated such as silt, sand, debris, all other wastes etc. from manhole and disposing the same in the near by low level areas. Scope includes opening the manhole cover, removing all the blockage such as silt, sand, debris, all other wastes etc., lifting, disposing the same in the near by low level areas, all labour, tools, repositioning the manhole cover after finishing the job etc.complete. Manhole beyond 1.50 but upto 3.30 metre depth	EAC H	378.40	0

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157	1148	CS130001148	Cleaning the sewer line in all depths between manhole to manhole and complete removal of all the obstructions/blockage accumulated such as silt, sand, debris, all other wastes etc. by means of blockage removal machine attached with sewer cleaning rod etc. and disposing the same in the near by low level areas. Scope includes opening the manhole cover, removing all the blockage such as silt, sand, debris, all other wastes etc., lifting, disposing the same in the near by low level areas, all labour, tools, repositioning the manhole cover after finishing the job etc.complete. Blockage removal machine attached with sewer cleaning rod for the job will be issued by BHEL at stores at free of cost.	R.M	16.80	0
158	1149A	CS130001149A	Labour charges for conveying, laying and fixing G.I pipes and specials with G.I fittings and clamps on walls and floors, including cutting and making good the walls and floors etc. complete. Rate includes cost of white lead, hemp, oil, sand etc. but excludes cost of G.I pipes, specials and clamps which will be supplied by BHEL at stores at free of cost. 15 mm dia nominal bore.	RM	58.55	0
159	1149B	CS130001149B	Labour charges for conveying, laying and fixing G.I pipes and specials with G.I fittings and clamps on walls and floors, including cutting and making good the walls and floors etc. complete. Rate includes cost of white lead, hemp, oil, sand etc. but excludes cost of G.I pipes, specials and clamps which will be supplied by BHEL at stores at free of cost. 20 mm dia nominal bore.	RM	64.85	0
160	1149C	CS130001149C	Labour charges for conveying, laying and fixing G.I pipes and specials with G.I fittings and clamps on walls and floors, including cutting and making good the walls and floors etc. complete. Rate includes cost of white lead, hemp, oil, sand etc. but excludes cost of G.I pipes, specials and clamps which will be supplied by BHEL at stores at free of cost. 25 mm dia nominal bore.	RM	71.40	0

161	1149D	CS130001149D	Labour charges for conveying, laying and fixing G.I pipes and specials with G.I fittings and clamps on walls and floors, including cutting and making good the walls and floors etc. complete. Rate includes cost of white lead, hemp, oil, sand etc. but excludes cost of G.I pipes, specials and clamps which will be supplied by BHEL at stores at free of cost. 32 mm dia nominal bore.	RM	80.05	0
162	1149E	CS130001149E	Labour charges for conveying, laying and fixing G.I pipes and specials with G.I fittings and clamps on walls and floors, including cutting and making good the walls and floors etc. complete. Rate includes cost of white lead, hemp, oil, sand etc. but excludes cost of G.I pipes, specials and clamps which will be supplied by BHEL at stores at free of cost. 40 mm dia nominal bore.	RM	102.15	0
163	1149F	CS130001149F	Labour charges for conveying, laying and fixing G.I pipes and specials with G.I fittings and clamps on walls and floors, including cutting and making good the walls and floors etc. complete. Rate includes cost of white lead, hemp, oil, sand etc. but excludes cost of G.I pipes, specials and clamps which will be supplied by BHEL at stores at free of cost. 50 mm dia nominal bore.	RM	124.10	0
164	1149G	CS130001149G	Labour charges for conveying, laying and fixing G.I pipes and specials with G.I fittings and clamps on walls and floors, including cutting and making good the walls and floors etc. complete. Rate includes cost of white lead, hemp, oil, sand etc. but excludes cost of G.I pipes, specials and clamps which will be supplied by BHEL at stores at free of cost. 65 mm dia nominal bore.	RM	135.20	0
165	1149H	CS130001149H	Labour charges for conveying, laying and fixing G.I pipes and specials with G.I fittings and clamps on walls and floors, including cutting and making good the walls and floors etc. complete. Rate includes cost of white lead, hemp, oil, sand etc. but excludes cost of G.I pipes, specials and clamps which will be supplied by BHEL at stores at free of cost. 80 mm dia nominal bore.	RM	143.70	0

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166	1149I	CS130001149I	1Labour charges for conveying, laying and fixing G.I pipes and specials with G.I fittings and clamps on walls and floors, including cutting and making good the walls and floors etc. complete. Rate includes cost of white lead, hemp, oil, sand etc. but excludes cost of G.I pipes, specials and clamps which will be supplied by BHEL at stores at free of cost. 100 mm dia nominal bore.	RM	229.75	0
167	1149J	CS130001149J	Labour charges for conveying, laying and fixing G.I pipes and specials with G.I fittings and clamps on walls and floors, including cutting and making good the walls and floors etc. complete. Rate includes cost of white lead, hemp, oil, sand etc. but excludes cost of G.I pipes, specials and clamps which will be supplied by BHEL at stores at free of cost. 125 mm dia nominal bore.	RM	163.35	0
168	1149K	CS130001149K	Labour charges for conveying, laying and fixing G.I pipes and specials with G.I fittings and clamps on walls and floors, including cutting and making good the walls and floors etc. complete. Rate includes cost of white lead, hemp, oil, sand etc. but excludes cost of G.I pipes, specials and clamps which will be supplied by BHEL at stores at free of cost. 150 mm dia nominal bore.	RM	172.40	0
169	1150A	CS130001150A	Painting G.I pipes and fittings with synthetic enamel paint of two coats over a ready mixed priming coat, both of approved quality for new work. 15 mm diameter pipe	RM	8.45	0
170	1150B	CS130001150B	Painting G.I pipes and fittings with synthetic enamel paint of two coats over a ready mixed priming coat, both of approved quality for new work. 20 mm diameter pipe	RM	9.95	0
171	1150C	CS130001150C	Painting G.I pipes and fittings with synthetic enamel paint of two coats over a ready mixed priming coat, both of approved quality for new work. 25 mm diameter pipe	RM	13.10	0
172	1150D	CS130001150D	Painting G.I pipes and fittings with synthetic enamel paint of two coats over a ready mixed priming coat, both of approved quality for new work. 32 mm diameter pipe	RM	15.50	0
173	1150E	CS130001150E	Painting G.I pipes and fittings with synthetic enamel paint of two coats over a ready mixed priming coat, both of approved quality for new work. 40 mm diameter pipe	RM	18.40	0

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174	1150F	CS130001150F	Painting G.I pipes and fittings with synthetic enamel paint of two coats over a ready mixed priming coat, both of approved quality for new work. 50 mm diameter pipe	RM	21.70	0
175	1151A	CS130001151A	Conveying polyethylene cylindrical moulded water storage tank of following capacity from BHEL stores to site of work and placing it in proper position in buildings at required levels/floors. All as per instructions of Engineer in charge. Rate includes conveyance, placing it in position at required level, fixing the specials like barrel nipples etc. complete. PVC tank ans all specials will be issued by BHEL at stores at free of cost. Upto 500 litre	EA	99.00	0
176	1151B	CS130001151B	Conveying polyethylene cylindrical moulded water storage tank of following capacity from BHEL stores to site of work and placing it in proper position in buildings at required levels/floors. All as per instructions of Engineer in charge. Rate includes conveyance, placing it in position at required level, fixing the specials like barrel nipples etc. complete. PVC tank ans all specials will be issued by BHEL at stores at free of cost. Above 500 but up to 1000 litre	EA	123.20	0
177	1151C	CS130001151C	Conveying polyethylene cylindrical moulded water storage tank of following capacity from BHEL stores to site of work and placing it in proper position in buildings at required levels/floors. All as per instructions of Engineer in charge. Rate includes conveyance, placing it in position at required level, fixing the specials like barrel nipples etc. complete. PVC tank ans all specials will be issued by BHEL at stores at free of cost. Above 1000 but up to 2000 litre	EA	198.00	0
178	1152A	CS130001152A	Labour charges for conveying, laying and fixing G.I pipes and specials (B - Class) of approved brand with G.I fittings in trenches. Rate includes cost of white lead, hemp, oil, sand etc. but excludes cost of G.I pipes, specials and clamps which will be supplied by BHEL at stores at free of cost. 15 mm dia nominal bore.	RM	8.45	0

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179	1152B	CS130001152B	Labour charges for conveying, laying and fixing G.I pipes and specials (B - Class) of approved brand with G.I fittings in trenches.Rate includes cost of white lead, hemp, oil, sand etc. but excludes cost of G.I pipes, specials and clamps which will be supplied by BHEL at stores at free of cost. 20 mm dia nominal bore.	RM	8.45	0
180	1152C	CS130001152C	Labour charges for conveying, laying and fixing G.I pipes and specials (B - Class) of approved brand with G.I fittings in trenches.Rate includes cost of white lead, hemp, oil, sand etc. but excludes cost of G.I pipes, specials and clamps which will be supplied by BHEL at stores at free of cost. 25 mm dia nominal bore.	RM	12.90	0
181	1152D	CS130001152D	Labour charges for conveying, laying and fixing G.I pipes and specials (B - Class) of approved brand with G.I fittings in trenches.Rate includes cost of white lead, hemp, oil, sand etc. but excludes cost of G.I pipes, specials and clamps which will be supplied by BHEL at stores at free of cost. 32 mm dia nominal bore.	RM	12.95	0
182	1152E	CS130001152E	Labour charges for conveying, laying and fixing G.I pipes and specials (B - Class) of approved brand with G.I fittings in trenches.Rate includes cost of white lead, hemp, oil, sand etc. but excludes cost of G.I pipes, specials and clamps which will be supplied by BHEL at stores at free of cost. 40 mm dia nominal bore.	RM	17.25	0
183	1152F	CS130001152F	Labour charges for conveying, laying and fixing G.I pipes and specials (B - Class) of approved brand with G.I fittings in trenches.Rate includes cost of white lead, hemp, oil, sand etc. but excludes cost of G.I pipes, specials and clamps which will be supplied by BHEL at stores at free of cost. 50 mm dia nominal bore.	RM	17.45	0
184	1152G	CS130001152G	Labour charges for conveying, laying and fixing G.I pipes and specials (B - Class) of approved brand with G.I fittings in trenches.Rate includes cost of white lead, hemp, oil, sand etc. but excludes cost of G.I pipes, specials and clamps which will be supplied by BHEL at stores at free of cost. 65 mm dia nominal bore.	RM	30.55	0

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185	1152H	CS130001152H	Labour charges for conveying, laying and fixing G.I pipes and specials (B - Class) of approved brand with G.I fittings in trenches.Rate includes cost of white lead, hemp, oil, sand etc. but excludes cost of G.I pipes, specials and clamps which will be supplied by BHEL at stores at free of cost. 80 mm dia nominal bore.	RM	30.75	0
186	1152I	CS130001152I	Labour charges for conveying, laying and fixing G.I pipes and specials (B - Class) of approved brand with G.I fittings in trenches.Rate includes cost of white lead, hemp, oil, sand etc. but excludes cost of G.I pipes, specials and clamps which will be supplied by BHEL at stores at free of cost. 100 mm dia nominal bore.	RM	45.10	0
187	1152J	CS130001152J	Labour charges for conveying, laying and fixing G.I pipes and specials (B - Class) of approved brand with G.I fittings in trenches.Rate includes cost of white lead, hemp, oil, sand etc. but excludes cost of G.I pipes, specials and clamps which will be supplied by BHEL at stores at free of cost. 125 mm dia nominal bore.	RM	45.10	0
188	1152K	CS130001152K	Labour charges for conveying, laying and fixing G.I pipes and specials (B - Class) of approved brand with G.I fittings in trenches.Rate includes cost of white lead, hemp, oil, sand etc. but excludes cost of G.I pipes, specials and clamps which will be supplied by BHEL at stores at free of cost. 150 mm dia nominal bore.	RM	70.50	0
189	1153A	CS130001153A	Providing and fixing gun metal non- return valve of approved quality(screwed end) 25 mm nominal bore (Horizontal)	EA	388.30	0
190	1153B	CS130001153B	Providing and fixing gun metal non- return valve of approved quality(screwed end) 25 mm nominal bore (Vertical)	EA	421.30	0
191	1153C	CS130001153C	Providing and fixing gun metal non- return valve of approved quality(screwed end) 32 mm nominal bore (Horizontal)	EA	522.70	0
192	1153D	CS130001153D	Providing and fixing gun metal non- return valve of approved quality(screwed end) 32 mm nominal bore (Vertical)	EA	599.70	0
193	1153E	CS130001153E	Providing and fixing gun metal non- return valve of approved quality(screwed end) 40 mm nominal bore	EA	646.15	0

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			(Horizontal)			
194	1153F	CS130001153F	Providing and fixing gun metal non- return valve of approved quality(screwed end) 40 mm nominal bore (Vertical)	EA	855.15	0
195	1153G	CS130001153G	Providing and fixing gun metal non- return valve of approved quality(screwed end) 50 mm nominal bore (Horizontal)	EA	934.80	0
196	1153H	CS130001153H	Providing and fixing gun metal non- return valve of approved quality(screwed end) 50 mm nominal bore (Vertical)	EA	1143.80	0
197	1153I	CS130001153I	Providing and fixing gun metal non- return valve of approved quality(screwed end) 65 mm nominal bore (Horizontal)	EA	1674.25	0
198	1153J	CS130001153J	Providing and fixing gun metal non- return valve of approved quality(screwed end) 65 mm nominal bore (Vertical)	EA	1916.25	0
199	1153K	CS130001153K	Providing and fixing gun metal non- return valve of approved quality(screwed end) 80 mm nominal bore (Horizontal)	EA	2369.90	0
200	1153L	CS130001153L	Providing and fixing gun metal non- return valve of approved quality(screwed end) 80 mm nominal bore (Vertical)	EA	3216.90	0
201	1154	CS1300001154	Supply at site of work and fixing in position of 32mm dia. CP bottle trap for water line connection in wash basin / urinals of approved brand and quality. All as per standard specifications and instructions of Engineer-in-charge.	EA	625.75	0
202	1155	CS1300001155	Supplying and placing in proper position of Polyethylene cylindrical moulded vertical storage tank of 500 litres capacity of approved quality in buildings at required levels / floors as per the instruction of Engineer in charge. Rate shall include cost of the tank, taxes, duties, loading unloading transportation charges delivery to BHEL conveying to site of work and placing in position at required level, fixing the barrel nipple to the tank etc., and all other incidental charges etc., complete. Rate will exclude the cost of all special like barrel nipple etc., which will be issued by BHEL at free of cost	EA	3759.30	0

203	1156	CS1300001156	Providing and fixing in position of fire clay laboratory sink (white) of size 610 mm x 460 mm x 205 mm or thereabouts of approved make and quality Neycer or equivalent with 32 mm waste coupling, waste hose and 250 mm clamps with necessary fixing arrangements. Rate includes cost of sink, waste coupling, waste hose, clamps, labour for fixing and all other incidental charges etc., complete. All as per standard specifications and instructions of Engineer in charge.	EA	9211.70	0
204	1157	CS1300001157	Providing and fixing in position of white glazed earthen ware wash hand basin of oval shape size 540 mm x 460 mm or thereabouts of approved make and quality (Parry ware or equivalent) with 32 mm CP Waste coupling and necessary fixing arrangements. Rate includes cost of wash basin, waste coupling, labour for fixing and all other incidental charges, etc., complete. All as per standard specifications and instructions of Engineer in charge	EA	2066.00	0
205	1158	CS1300001158	Providing and fixing in position of Float valve- PTMT (Poly Tetra- Methylene Terephthalate) Ball Cock-20 mm nominal bore of PRAYAG (India) make with Epoxy coated Aluminium rod and HD Ball etc. complete(Full Set)	EA	302.00	0
206	1159	CS1300001159	Labour charges for removing the blockage in the gully trap and cleaning it completely, all as per the instructions of Engineer-in-charge.	NO	32.25	0
207	1537	CS1300001537	Cleaning of Septic tanks including removal of all sludge/waste material with septic tank cleaning vehicle of tank capacity of 7000 litres and conveying the waste to all leads and disposal off.Rate includes hire and running charges for the septic tank cleaning vehicle with driver and labour for cleaning the septic tank, cost of tools and plants, all incidental charges, leading disposing off the sewage and wastages etc as per the instructions of Engineer in Charge. Payment will be made for one trip up to a maximum of 7000 litres quantity of sewage	EA	2687.50	0

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208	0101A	CS130000101A	Earthwork excavation (TRENCHES) in soils given below by mechanical means (Hydraulic excavator)/manual means and depositing the excavated earth at suitable places within the initial lead of 50 meter and initial lift of 1.5 meter for foundation in building works, roads, narrow drains, sewers, bridges, pipe lines etc., sectioning the subgrade to proper level and grade, watering and consolidating the subgrade to receive concrete bed, all as per standard specifications and instructions of Engineer-in-charge. All kinds of soil except rock	M3	125.80	0
209	0101B	CS130000101B	Earthwork excavation (TRENCHES) in soils given below by mechanical means (Hydraulic excavator)/manual means and depositing the excavated earth at suitable places within the initial lead of 50 meter and initial lift of 1.5 meter for foundation in building works, roads, narrow drains, sewers, bridges, pipe lines etc., sectioning the subgrade to proper level and grade, watering and consolidating the subgrade to receive concrete bed, all as per standard specifications and instructions of Engineer-in-charge. Ordinary rock	M3	201.70	0
210	0101C	CS130000101C	Earthwork excavation (TRENCHES) in soils given below by mechanical means (Hydraulic excavator)/manual means and depositing the excavated earth at suitable places within the initial lead of 50 meter and initial lift of 1.5 meter for foundation in building works, roads, narrow drains, sewers, bridges, pipe lines etc., sectioning the subgrade to proper level and grade, watering and consolidating the subgrade to receive concrete bed, all as per standard specifications and instructions of Engineer-in-charge. Hard rock (requiring blasting)	M3	363.55	0
211	0101D	CS130000101D	Earthwork excavation (TRENCHES) in soils given below by mechanical means (Hydraulic excavator)/manual means and depositing the excavated earth at suitable places within the initial lead of 50 meter and initial lift of 1.5 meter for foundation in building works, roads, narrow drains, sewers, bridges, pipe lines etc., sectioning the subgrade to proper level and grade, watering and consolidating the subgrade to receive concrete bed, all as per standard specifications and instructions of Engineer-in-charge. Hard rock (blasting prohibited)	M3	410.75	0

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212	0112	CS1300000112	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift up to 1.5 m etc. complete.	M3	78.90	0
213	0121	CS1300000121	Clearing grass and removal of rubbish upto a distance of 50 metre.	M2	2.30	0
214	0122	CS1300000122	Clearing jungle including uprooting of rank vegetation, grass, brushwood, trees and saplings of girth upto 30 cm measured at a height of 1 metre above ground level and removal of rubbish upto a distance of 50 metre.	M2	4.50	0
215	1001A17	CS1301001A17	Dismantling / removing / demolishing as the case may be of the following by manually/mechanical means and carefully stacking the serviceable materials at site of work or conveying and handing over the same at BHEL stores and disposal of unserviceable materials by transporting and dumping in the near by low level areas within a lead of 100 metres. All as per instructions of Engineer-in-charge. G.I / PVC pipe lines of various dia including all specials.	RM	10.80	0
216	1001A18	CS1301001A18	Dismantling / removing / demolishing as the case may be of the following by manually/mechanical means and carefully stacking the serviceable materials at site of work or conveying and handing over the same at BHEL stores and disposal of unserviceable materials by transporting and dumping in the near by low level areas within a lead of 100 metres. All as per instructions of Engineer-in-charge. A.C / C.I rain water pipes upto 150 mm dia with fittings and clamps.	RM	20.15	0
217	1001A19	CS1301001A19	Dismantling / removing / demolishing as the case may be of the following by manually/mechanical means and carefully stacking the serviceable materials at site of work or conveying and handing over the same at BHEL stores and disposal of unserviceable materials by transporting and dumping in the near by low level areas within a lead of 100 metres. All as per instructions of Engineer-in-charge. S.W pipe lines upto 225 mm dia.	RM	30.25	0

218	1001A20(i)	CS131001A201	Dismantling / removing / demolishing as the case may be of the following by manually/mechanical means and carefully stacking the serviceable materials at site of work or conveying and handing over the same at BHEL stores and disposal of unserviceable materials by transporting and dumping in the near by low level areas within a lead of 100 metres. All as per instructions of Engineer-in-charge. C.I pipes including earthwork excavation, breaking lead caulked joints, melting of lead and making into blocks, refilling trenches after taking out the pipes etc. Upto 150 mm dia	RM	127.60	0
219	1001A20(ii)	CS131001A202	Dismantling / removing / demolishing as the case may be of the following by manually/mechanical means and carefully stacking the serviceable materials at site of work or conveying and handing over the same at BHEL stores and disposal of unserviceable materials by transporting and dumping in the near by low level areas within a lead of 100 metres. All as per instructions of Engineer-in-charge. C.I pipes including earthwork excavation, breaking lead caulked joints, melting of lead and making into blocks, refilling trenches after taking out the pipes etc. Above 150 upto 300 mm dia	RM	169.60	0
220	1001A20(iii)	CS131001A203	Dismantling / removing / demolishing as the case may be of the following by manually/mechanical means and carefully stacking the serviceable materials at site of work or conveying and handing over the same at BHEL stores and disposal of unserviceable materials by transporting and dumping in the near by low level areas within a lead of 100 metres. All as per instructions of Engineer-in-charge. C.I pipes including earthwork excavation, breaking lead caulked joints, melting of lead and making into blocks, refilling trenches after taking out the pipes etc. Above 300 mm dia	RM	220.10	0

221	1001A21(i)	CS131001A211	Dismantling / removing / demolishing as the case may be of the following by manually/mechanical means and carefully stacking the serviceable materials at site of work or conveying and handing over the same at BHEL stores and disposal of unserviceable materials by transporting and dumping in the near by low level areas within a lead of 100 metres. All as per instructions of Engineer-in-charge. C.I sluice valve Upto 150 mm dia	EA	100.45	0
222	1001A21(ii)	CS131001A212	Dismantling / removing / demolishing as the case may be of the following by manually/mechanical means and carefully stacking the serviceable materials at site of work or conveying and handing over the same at BHEL stores and disposal of unserviceable materials by transporting and dumping in the near by low level areas within a lead of 100 metres. All as per instructions of Engineer-in-charge. C.I sluice valve Above 150 mm dia	EA	349.15	0
223	1001A31	CS1301001A31	Dismantling / removing / demolishing as the case may be of the following by manually/mechanical means and carefully stacking the serviceable materials at site of work or conveying and handing over the same at BHEL stores and disposal of unserviceable materials by transporting and dumping in the near by low level areas within a lead of 100 metres. All as per instructions of Engineer-in-charge. R.C.C pipes upto 450 mm dia	RM	183.55	0
224	1001A32	CS1301001A32	Dismantling / removing / demolishing as the case may be of the following by manually/mechanical means and carefully stacking the serviceable materials at site of work or conveying and handing over the same at BHEL stores and disposal of unserviceable materials by transporting and dumping in the near by low level areas within a lead of 100 metres. All as per instructions of Engineer-in-charge. Kerb stone	RM	17.85	0

225	1001A33	CS1301001A33	Dismantling / removing / demolishing as the case may be of the following by manually/mechanical means and carefully stacking the serviceable materials at site of work or conveying and handing over the same at BHEL stores and disposal of unserviceable materials by transporting and dumping in the near by low level areas within a lead of 100 metres. All as per instructions of Engineer-in-charge. Bituminous road.	M3	376.20	0
226	1001A34	CS1301001A34	Dismantling / removing / demolishing as the case may be of the following by manually/mechanical means and carefully stacking the serviceable materials at site of work or conveying and handing over the same at BHEL stores and disposal of unserviceable materials by transporting and dumping in the near by low level areas within a lead of 100 metres. All as per instructions of Engineer-in-charge. W.B.M /W.M.M road.	M3	233.20	0
227	0120	CS1300000120	Bailing or pumping out water from trenches, foundations etc., at all depths wherever necessary as per standard specifications.	Hour	65.05	0
228	0102A	CS130000102A	Earthwork excavation (TRENCHES) in soils given below by mechanical means (Hydraulic excavator)/manual means and depositing the excavated earth at suitable places within the initial lead of 50 meter and initial lift of 1.5 meter for foundation in building works, roads, narrow drains, sewers, bridges, pipe lines etc., sectioning the subgrade to proper level and grade, watering and consolidating the subgrade to receive concrete bed, all as per standard specifications and instructions of Engineer-in-charge. Rate also includes bailing or pumping out water during excavation due to subsoil water, rain etc. All kinds of soil except rock.	M3	138.40	0

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229	0102B	CS130000102B	Earthwork excavation (TRENCHES) in soils given below by mechanical means (Hydraulic excavator)/manual means and depositing the excavated earth at suitable places within the initial lead of 50 meter and initial lift of 1.5 meter for foundation in building works, roads, narrow drains, sewers, bridges, pipe lines etc., sectioning the subgrade to proper level and grade, watering and consolidating the subgrade to receive concrete bed, all as per standard specifications and instructions of Engineer-in-charge. Rate also includes bailing or pumping out water during excavation due to subsoil water, rain etc. Ordinary rock.	M3	221.85	0
230	0102C	CS130000102C	Earthwork excavation (TRENCHES) in soils given below by mechanical means (Hydraulic excavator)/manual means and depositing the excavated earth at suitable places within the initial lead of 50 meter and initial lift of 1.5 meter for foundation in building works, roads, narrow drains, sewers, bridges, pipe lines etc., sectioning the subgrade to proper level and grade, watering and consolidating the subgrade to receive concrete bed, all as per standard specifications and instructions of Engineer-in-charge. Rate also includes bailing or pumping out water during excavation due to subsoil water, rain etc. Hard rock (requiring blasting).	M3	399.90	0
231	0102D	CS130000102D	Earthwork excavation (TRENCHES) in soils given below by mechanical means (Hydraulic excavator)/manual means and depositing the excavated earth at suitable places within the initial lead of 50 meter and initial lift of 1.5 meter for foundation in building works, roads, narrow drains, sewers, bridges, pipe lines etc., sectioning the subgrade to proper level and grade, watering and consolidating the subgrade to receive concrete bed, all as per standard specifications and instructions of Engineer-in-charge. Rate also includes bailing or pumping out water during excavation due to subsoil water, rain etc. Hard rock (blasting prohibited)	M3	451.80	0
232	0526	CS1300000526	Removing cobwebs from the structures of buildings at all heights including cleaning of roof walls, undersurface of A.C sheets etc, complete. Rate includes providing working platforms, ladder, safety nets, labour etc, complete. Payment will be made based on the floor area of the buildings.	M2	5.20	0

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233	0111	CS1300000111	Supply and spreading/filling with stone dust complying with standard specifications.	M3	250.40	0
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