
 सत्यमेव जयते	भारत सरकार कार्यालय मुख्य अभियंता सी० एस० क्यू० (वै०) के० लो० न०. वि०. कक्ष संख्या- 229, ए विंग, निर्माण भवन, नई दिल्ली- 110011 फोन नं०- 011- 23061697 फैक्स नं० 23061418	 CPWD
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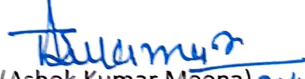
CORRECTION SLIP No. 1

Sub :- Correction slip of CPWD Delhi Schedule of Rates (E&M) 2022

The following corrections/modifications are made in CPWD Delhi Schedule of Rates (E&M) 2022 under following sub head (1) Wiring, (6) Lighting Conductor, (7) MV Cable Laying, (10) HV Cable Jointing & End Termination, (14) Misc. Civil items, (16) HVAC (Only Plumbing, Ducting and AHU and (18) Wet Riser & Sprinkler System for the following items:- 1.56, 6.3, 7.8.1, 10.9.3, 14.15.2, 14.16.2, 16.2.3, 16.2.8, 16.3.4, 16.4.2, 16.6.2, 16.7.1.2, 16.7.2.2 to 16.7.2.8, 16.7.3.1 to 16.7.3.5, 16.7.4.2 to 16.7.4.6, 16.8, 16.9, 16.11.1.1 to 16.11.1.8, 16.11.2.1 to 16.11.2.6, 16.12.2.2, 16.12.2.4, 16.14.1 to 16.14.2, 16.20.2, 16.21, 16.22, 18.2.3, 18.6.1, 18.6.2, 18.7.2 and 18.15.3 as per Annexure II.

This issues with the approval of competent authority.

Enclosure: - As above


(Ashok Kumar Meena) 28/4/23
Executive Engineer (E) TAS
O/o CE CSQ (E), CPWD,
Nirman Bhawan, New Delhi

File No. 9(2)/DSR & DAR/CE CSQ (E)/E-9136094/92

Dated 28-04-2023

To, (Through CPWD Website)

All SDGs/ ADGs/CEs/ CE & EDs/SEs/SE CumPD/EEs of CPWD and PWD Delhi

EXISTING				MODIFIED			
Code No.	Description	Unit	Rate	Code No.	Description	Unit	Rate
	CHAPTER-1-W I R I N G				CHAPTER-1-W I R I N G		
1.1.1	Group A	Point	1221	1.1.1	Group A	Point	1232
1.56	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 3 pin 5/6 A modular socket outlet and 2 nos. 5/6 A modular switch, connections etc. as required. (For light plugs to be used in non residential buildings).	Each	676	1.56	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 3 pin 5/6 A modular socket outlet and 2 nos. 5/6 A modular switch, connections etc. as required. (For light plugs to be used in non residential buildings).	Each	680
	CHAPTER 6-LIGHTNING CONDUCTOR				CHAPTER 6-LIGHTNING CONDUCTOR		
6.3	Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required.	Each	360	6.3	Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required.	Each	339
7.8	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required.			7.8	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required.		
7.8.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	Each	45	7.8.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	Each	44
10.9	Supplying and making straight through cable jointing with heat shrinkable jointing kit complete with all accessories including ferrules suitable for following size of 3 core, XLPE aluminium conductor cable of 33 KV grade as required :			10.9	Supplying and making straight through cable jointing with heat shrinkable jointing kit complete with all accessories including ferrules suitable for following size of 3 core, XLPE aluminium conductor cable of 33 KV grade as required :		
10.9.3	240 sq. mm	Each	98622	10.9.3	240 sq. mm	Each	98623
	CHAPTER 14-MISC.CIVIL ITEMS				CHAPTER 14-MISC.CIVIL ITEMS		
14.15	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. in the existing trench, complete as required.			14.15	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. in the existing trench, complete as required.		
14.15.2	90 mm dia (OD-90 mm & ID-76 mm nominal)	Metre	170	14.15.2	90 mm dia (OD-90 mm & ID-76 mm nominal)	Metre	171
14.16	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc.direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.			14.16	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc.direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.		
14.16.2	90 mm dia (OD-90 mm & ID-76 mm nominal)	Metre	290	14.16.2	90 mm dia (OD-90 mm & ID-76 mm nominal)	Metre	292
	CHAPTER 16-HVAC(ONLY PLUMBING,DUCTING & AHU)				CHAPTER 16-HVAC(ONLY PLUMBING,DUCTING & AHU)		
	INSULATED CHILLED WATER PIPING (Nitrile rubber insulation)				INSULATED CHILLED WATER PIPING (Nitrile rubber insulation)		

16.2	Supplying, laying/ fixing, testing and commissioning of following nominal sizes of chilled water piping inside the building (with necessary clamps, vibration isolators and fittings but excluding valves, strainers, gauges etc.) duly insulated with following closed cell elastometric nitrile rubber of minimum 45 Kg / cu m density, thermal conductivity 0.037 W/MK or better at 20 deg mean temperature class 'O' insulation applied by suitable adhesive complete including repairing of damage to building etc. as per specifications and as required complete in all respect.			16.2	Supplying, laying/ fixing, testing and commissioning of following nominal sizes of chilled water piping inside the building (with necessary clamps, vibration isolators and fittings but excluding valves, strainers, gauges etc.) duly insulated with following closed cell elastometric nitrile rubber of minimum 45 Kg / cu m density, thermal conductivity 0.037 W/MK or better at 20 deg mean temperature class 'O' insulation applied by suitable adhesive complete including repairing of damage to building etc. as per specifications and as required complete in all respect.		
	Note:-The Pipes of sizes 150mm & below shall be M.S. 'C' class as per IS : 1239 and pipes size above 150mm shall be welded black steel pipe heavy class as per IS: 3589, from minimum 6.35mm thick M.S. Sheet for pipes upto 350 mm dia. and from minimum 7mm thick MS sheet for pipes of 400 mm dia and above.				Note:-The Pipes of sizes 150mm & below shall be M.S. 'C' class as per IS : 1239 and pipes size above 150mm shall be welded black steel pipe heavy class as per IS: 3589, from minimum 6.35mm thick M.S. Sheet for pipes upto 350 mm dia. and from minimum 7mm thick MS sheet for pipes of 400 mm dia and above.		
16.2.3	300mm dia. (32 mm thick insulation)	mtr	8973	16.2.3	300mm dia. (32 mm thick insulation)	mtr	9010
16.2.8	100mm dia. (32 mm thick insulation)	mtr	2980	16.2.8	100mm dia. (32 mm thick insulation)	mtr	2993
	INSULATED CHILLED WATER PIPING (expanded polystyrene insulation)				INSULATED CHILLED WATER PIPING (expanded polystyrene insulation)		
16.3	Supplying, laying/ fixing, testing and commissioning of following nominal sizes of chilled water piping plumbing inside the building (with necessary clamps, vibration isolators and fittings but excluding valves, strainers, gauges etc.) duly insulated with fire retardant quality expanded polystyrene moulded pipe section of density 20 kg/cu.m after a thick coat of cold setting adhesive (CPRX compound) wrapping with 500g polythene faced hessain and finally applying 0.63mm aluminium sheet cladding complete with type3 , grade 1 roofing feltstrip(as per IS:1322 as amended up to date) at joints repairing of damage to building etc. as per specifications and as required complete in all respect.			16.3	Supplying, laying/ fixing, testing and commissioning of following nominal sizes of chilled water piping plumbing inside the building (with necessary clamps, vibration isolators and fittings but excluding valves, strainers, gauges etc.) duly insulated with fire retardant quality expanded polystyrene moulded pipe section of density 20 kg/cu.m after a thick coat of cold setting adhesive (CPRX compound) wrapping with 500g polythene faced hessain and finally applying 0.63mm aluminium sheet cladding complete with type3 , grade 1 roofing feltstrip(as per IS:1322 as amended up to date) at joints repairing of damage to building etc. as per specifications and as required complete in all respect.		
	Note:-The Pipes of sizes 150mm & below shall be M.S. 'C' class as per IS : 1239 and pipes size above 150mm shall be welded black steel pipe heavy class as per IS: 3589, from minimum 6.35mm thick M.S. Sheet for pipes upto 350 mm dia. and from minimum 7mm thick MS sheet for pipes of 400 mm dia and above.				Note:-The Pipes of sizes 150mm & below shall be M.S. 'C' class as per IS : 1239 and pipes size above 150mm shall be welded black steel pipe heavy class as per IS: 3589, from minimum 6.35mm thick M.S. Sheet for pipes upto 350 mm dia. and from minimum 7mm thick MS sheet for pipes of 400 mm dia and above.		
16.3.4	250mm dia.(75 mm thick insulation)	mtr	8616	16.3.4	250mm dia.(75 mm thick insulation)	mtr	8643
	INSULATION ON EXISTING PIPE				INSULATION ON EXISTING PIPE		

16.4	Supplying, laying/ fixing, testing and commissioning of following thickness resin bonded fiber glass pipe section insulation having density 80 kg/cum or mineral wool (non combustible) having density of 144 Kg/ cu m duly covered with a layer of 120 gm/sqm polythene sheet (vapour barrier) on existing pipe and finally applying 0.63mm aluminium sheet cladding complete with type3 , grade 1 roofing feltstrip(as per IS:1322 as amended up to date) at joints etc. as per specifications and as required.			16.4	Supplying, laying/ fixing, testing and commissioning of following thickness resin bonded fiber glass pipe section insulation having density 80 kg/cum or mineral wool (non combustible) having density of 144 Kg/ cu m duly covered with a layer of 120 gm/sqm polythene sheet (vapour barrier) on existing pipe and finally applying 0.63mm aluminium sheet cladding complete with type3 , grade 1 roofing feltstrip(as per IS:1322 as amended up to date) at joints etc. as per specifications and as required.		
16.4.2	65 MM	per sqm	2402	16.4.2	65 MM	per sqm	2450
16.6	Supplying, laying/ fixing of following thickness insulation with fire retardant quality expanded polystyrene moulded pipe section of density 20 kg/cu.m after a thick coat of cold setting adhesive (CPRX compound) wrapping with 500g polythene faced hessain and finally applying 0.63mm aluminium sheet cladding complete with type3 , grade 1 roofing feltstrip(as per IS:1322 as amended up to date) at joints repairing etc. as per specifications and as required complete in all respect..			16.6	Supplying, laying/ fixing of following thickness insulation with fire retardant quality expanded polystyrene moulded pipe section of density 20 kg/cu.m after a thick coat of cold setting adhesive (CPRX compound) wrapping with 500g polythene faced hessain and finally applying 0.63mm aluminium sheet cladding complete with type3 , grade 1 roofing feltstrip(as per IS:1322 as amended up to date) at joints repairing etc. as per specifications and as required complete in all respect..		
16.6.2	50mm	per sqm	1204	16.6.2	50mm	per sqm	1224
16.7	Supplying, fixing, testing and commissioning of following valves, strainers, gauges in the chilled water plumbing duly insulated to the same specifications as the connected piping and adequately supported as per specifications.			16.7	Supplying, fixing, testing and commissioning of following valves, strainers, gauges in the chilled water plumbing duly insulated to the same specifications as the connected piping and adequately supported as per specifications.		
16.7.1	BUTTERFLY VALVE (MANUAL) with C I body SS Disc, Nitrile Rubber Seal & O- Ring PN 16 pressure rating for chilled water/hot eater circulation as specified			16.7.1	BUTTERFLY VALVE (MANUAL) with C I body SS Disc, Nitrile Rubber Seal & O- Ring PN 16 pressure rating for chilled water/hot eater circulation as specified		
16.7.1.2	150mm dia.	Each	8333	16.7.1.2	150mm dia.	Each	8353
16.7.2	BALANCING VALVE WITH BUILT IN MEASURING FACILITY with C I body flanged construction with EPDM coated disc with long pitch with protected out pipe insulation & PN 16 pressure rating for chilled / hot water circulation as specified.			16.7.2	BALANCING VALVE WITH BUILT IN MEASURING FACILITY with C I body flanged construction with EPDM coated disc with long pitch with protected out pipe insulation & PN 16 pressure rating for chilled / hot water circulation as specified.		
16.7.2.2	150mm dia.	Each	34461	16.7.2.2	150mm dia.	Each	34479
16.7.2.3	125mm dia.	Each	26476	16.7.2.3	125mm dia.	Each	26438
16.7.2.4	100mm dia.	Each	19885	16.7.2.4	100mm dia.	Each	19845
16.7.2.5	80mm dia.	Each	13771	16.7.2.5	80mm dia.	Each	13763
16.7.2.6	65 mm dia	Each	12325	16.7.2.6	65 mm dia	Each	12302
16.7.2.7	50mm dia.	Each	10739	16.7.2.7	50mm dia.	Each	10750
16.7.2.8	40 mm dia	Each	7614	16.7.2.8	40 mm dia	Each	7610

16.7.3	NON - RETURN VALVE with dual plate of C I body SS plates vulcanized NBR seal flanged end & PN 16 pressure rating for chilled / hot water circulation including insulation as specified.			16.7.3	NON - RETURN VALVE with dual plate of C I body SS plates vulcanized NBR seal flanged end & PN 16 pressure rating for chilled / hot water circulation including insulation as specified.		
16.7.3.1	200 mm dia	Each	14492	16.7.3.1	200 mm dia	Each	14498
16.7.3.2	150mm dia.	Each	9209	16.7.3.2	150mm dia.	Each	9199
16.7.3.3	125mm dia.	Each	7867	16.7.3.3	125mm dia.	Each	7872
16.7.3.4	100 mm dia	Each	6160	16.7.3.4	100 mm dia	Each	6164
16.7.3.5	80mm dia.	Each	4272	16.7.3.5	80mm dia.	Each	4266
16.7.4	Y - STRAINER of Ductile CI Body flanged ends with stainless steel strainer for chilled / hot water circulation including insulation as specified.			16.7.4	Y - STRAINER of Ductile CI Body flanged ends with stainless steel strainer for chilled / hot water circulation including insulation as specified.		
16.7.4.2	150mm dia.	Each	28033	16.7.4.2	150mm dia.	Each	27515
16.7.4.3	125mm dia.	Each	21924	16.7.4.3	125mm dia.	Each	21885
16.7.4.4	100 mm dia	Each	14687	16.7.4.4	100 mm dia	Each	14649
16.7.4.5	80 mm dia	Each	9882	16.7.4.5	80 mm dia	Each	9878
16.7.4.6	65mm dia.	Each	7961	16.7.4.6	65mm dia.	Each	7949
16.8	Providing and fixing in position the industrial type pressure gauges with gun metal / brass valves complete as required	Each	1196	16.8	Providing and fixing in position the industrial type pressure gauges with gun metal / brass valves complete as required	Each	1364
16.9	Providing & fixing in position the mercury in glass industrial type thermometers.	Each	1043	16.9	Providing & fixing in position the mercury in glass industrial type thermometers.	Each	1041
16.11	Supplying, fixing, testing and commissioning of following valves, gauges and strainers for condenser water circulation as per specifications.			16.11	Supplying, fixing, testing and commissioning of following valves, gauges and strainers for condenser water circulation as per specifications.		
16.11.1	BUTTERFLY VALVE (MANUAL) with C I body SS disc nitrile sheet & O - ring & PN 16 pressure rating as specified.			16.11.1	BUTTERFLY VALVE (MANUAL) with C I body SS disc nitrile sheet & O - ring & PN 16 pressure rating as specified.		
16.11.1.1	200mm dia.	Each	14156	16.11.1.1	200mm dia.	Each	14213
16.11.1.2	150mm dia.	Each	7033	16.11.1.2	150mm dia.	Each	7035
16.11.1.3	125mm dia.	Each	6388	16.11.1.3	125mm dia.	Each	6401
16.11.1.4	100mm dia.	Each	5412	16.11.1.4	100mm dia.	Each	5403
16.11.1.5	80mm dia.	Each	4055	16.11.1.5	80mm dia.	Each	4049
16.11.1.6	65mm dia.	Each	3821	16.11.1.6	65mm dia.	Each	3849
16.11.1.7	50mm dia.	Each	3393	16.11.1.7	50mm dia.	Each	3388
16.11.1.8	40mm dia.	Each	2865	16.11.1.8	40mm dia.	Each	2857
16.11.2	NON - RETURN VALVE with dual plate of C I body SS plates vulcanized NBR seal flanged end & PN 16 pressure rating as specified.			16.11.2	NON - RETURN VALVE with dual plate of C I body SS plates vulcanized NBR seal flanged end & PN 16 pressure rating as specified.		
16.11.2.1	200mm dia.	Each	12965	16.11.2.1	200mm dia.	Each	12974
16.11.2.2	150mm dia.	Each	7899	16.11.2.2	150mm dia.	Each	7880
16.11.2.3	125mm dia.	Each	6731	16.11.2.3	125mm dia.	Each	6727
16.11.2.4	100mm dia.	Each	5094	16.11.2.4	100mm dia.	Each	5081
16.11.2.5	80mm dia.	Each	3477	16.11.2.5	80mm dia.	Each	3479
16.11.2.6	65mm dia.	Each	3039	16.11.2.6	65mm dia.	Each	3024

16.12.2	Supply, installation, balancing and commissioning of fabricated at site GSS sheet metal rectangular/round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports etc. as per approved drawings and specifications of following sheet thickness complete as required.			16.12.2	Supply, installation, balancing and commissioning of fabricated at site GSS sheet metal rectangular/round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports etc. as per approved drawings and specifications of following sheet thickness complete as required.		
16.12.2.2	Thickness 0.80 mm sheet	sq. m	1229	16.12.2.2	Thickness 0.80 mm sheet	sq. m	1251
16.12.2.4	Thickness 1.25 mm sheet	sq. m	1793	16.12.2.4	Thickness 1.25 mm sheet	sq. m	1831
16.14	Supply, installation, testing and commissioning of Motorized (ON-OFF Type) duct mounted GI volume control damper with enthalpy sensor and necessary control wire (minimum 1.5 sqmm) for integration within AHU room			16.14	Supply, installation, testing and commissioning of Motorized (ON-OFF Type) duct mounted GI volume control damper with enthalpy sensor and necessary control wire (minimum 1.5 sqmm) for integration within AHU room		
16.14.1	Damper	sq. m	8784	16.14.1	Damper	sq. m	8780
16.14.2	Actuator	each	8794	16.14.2	Actuator	each	8790
16.20	Supplying, Fixing,testing and commissioning of fire dampers in supply air duct/main branch and return air path as and where required of required sizes i/c control wiring,the damper shall be motorized and spring return so as to close the damper in the event of power failure automatically and open the same in case of power being restored. The spring return action shall be inbuilt mechanism and not externally mounted. The damper shall also be closed in the event of fire signal complete as required and as per specifications.			16.20	Supplying, Fixing,testing and commissioning of fire dampers in supply air duct/main branch and return air path as and where required of required sizes i/c control wiring,the damper shall be motorized and spring return so as to close the damper in the event of power failure automatically and open the same in case of power being restored. The spring return action shall be inbuilt mechanism and not externally mounted. The damper shall also be closed in the event of fire signal complete as required and as per specifications.		
16.20.2	Actuator	Each	10659	16.20.2	Actuator	Each	9962
16.21	Supply and fixing of acoustic lining of supply air duct and plenum with 25 mm thick resin bonded glass wool having density of 32 kg/m ³ , with 25 mm X 25 mm GI section of 1.25 mm thick, at 600 mm centre to centre covered with Reinforced Plastic tissue paper and 0.5 mm thick perforated aluminum sheet fixed to inside surface of ducts with cadmium plated nuts, bolts, stick pins, CPRX compound etc. complete as required and as per specifications.	sqmtr	708	16.21	Supply and fixing of acoustic lining of supply air duct and plenum with 25 mm thick resin bonded glass wool having density of 32 kg/m ³ , with 25 mm X 25 mm GI section of 1.25 mm thick, at 600 mm centre to centre covered with Reinforced Plastic tissue paper and 0.5 mm thick perforated aluminum sheet fixed to inside surface of ducts with cadmium plated nuts, bolts, stick pins, CPRX compound etc. complete as required and as per specifications.	sqmtr	815
16.22	Supplying, fixing acoustic lining on wall and ceiling of AHU rooms with 50mm thick, density 32 kg/cu.m resin bonded glass fiber insulation friction fixed in 610mm x 610 mm frame work made of 25X50X50X50X25 mm made out of 0.6mm thick GI sheet U shaped channel and covered with reinforced fiber glass tissue and finished with 0.80 mm perforated aluminium sheet etc. complete as required and as per specifications.	sqmtr	1229	16.22	Supplying, fixing acoustic lining on wall and ceiling of AHU rooms with 50mm thick, density 32 kg/cu.m resin bonded glass fiber insulation friction fixed in 610mm x 610 mm frame work made of 25X50X50X50X25 mm made out of 0.6mm thick GI sheet U shaped channel and covered with reinforced fiber glass tissue and finished with 0.80 mm perforated aluminium sheet etc. complete as required and as per specifications.	sqmtr	1413

CHAPTER 18 WET RISER & SPRINKLER SYSTEM				CHAPTER 18 WET RISER & SPRINKLER SYSTEM			
18.2	(a) Supplying, installation, testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following, complete in all respects, as required : (Diesel Driven Pump)			18.2	(a) Supplying, installation, testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following, complete in all respects, as required : (Diesel Driven Pump)		
	(b) Horizontal type, multistage, centrifugal pump of cast of iron body and bronze impeller with stainless steel shaft, mechanical seal conforming to IS 1520.				(b) Horizontal type, multistage, centrifugal pump of cast of iron body and bronze impeller with stainless steel shaft, mechanical seal conforming to IS 1520.		
	(c) Suitable HP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant IS standard complete with auto starting mechanism, 12 /24 volts electric starting equipment, diesel tank, exhaust pipe extended upto 10 m outside pump house duly insulated with 50 mm thick glass wool with 1.0 mm thick aluminium sheet cladding, residential silencer, instruments and protection as per standard specification, stop solenoid for auto stop in the event of fault with audio indications, painted with post office red colour etc. as required.				(c) Suitable HP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant IS standard complete with auto starting mechanism, 12 /24 volts electric starting equipment, diesel tank, exhaust pipe extended upto 10 m outside pump house duly insulated with 50 mm thick glass wool with 1.0 mm thick aluminium sheet cladding, residential silencer, instruments and protection as per standard specification, stop solenoid for auto stop in the event of fault with audio indications, painted with post office red colour etc. as required.		
	(d) M.S fabricated, common base plate, coupling, coupling guard, foundation bolts etc. as required.				(d) M.S fabricated, common base plate, coupling, coupling guard, foundation bolts etc. as required.		
	(e) Suitable cement concrete foundation duly plastered and with anti vibration pads.				(e) Suitable cement concrete foundation duly plastered and with anti vibration pads.		
18.2.3	2850 lpm at 56 m Head	Set	611622.00	18.2.3	2850 lpm at 56 m Head	Set	613390.00
	PIPES & ACCESSORIES				PIPES & ACCESSORIES		
18.6	Providing laying, testing & commissioning of 'C' class heavy duty MS Pipe conforming to IS 1239/3589 i/c fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. in ground including welding, excavation & providing cement concrete blocks as supports, anticorrosive treatment with coaltar/asphalt tape as per IS 10221, refilling the trench etc. of following sizes complete as required.			18.6	Providing laying, testing & commissioning of 'C' class heavy duty MS Pipe conforming to IS 1239/3589 i/c fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. in ground including welding, excavation & providing cement concrete blocks as supports, anticorrosive treatment with coaltar/asphalt tape as per IS 10221, refilling the trench etc. of following sizes complete as required.		
18.6.1	200 mm. dia (wall thickness = 6.3 mm)	m	5561.00	18.6.1	200 mm. dia (wall thickness = 6.3 mm)	m	5957.00
18.6.2	150 mm. Dia	m	3804.00	18.6.2	150 mm. Dia	m	4200.00
18.7	Providing, laying, testing & commissioning of 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including Welding, fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with two or more coats of synthetic enamel paint of required shade complete as required :			18.7	Providing, laying, testing & commissioning of 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including Welding, fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with two or more coats of synthetic enamel paint of required shade complete as required :		
18.7.2	32 mm dia	m	851.00	18.7.2	32 mm dia	m	857.00

18.15	Providing, installation, testing and commissioning of stainless steel Y-strainer fabricated out of 1.6 mm thick stainless steel, Grade 304, sheet with 3 mm dia holes with stainless steel flange.			18.15	Providing, installation, testing and commissioning of stainless steel Y-strainer fabricated out of 1.6 mm thick stainless steel, Grade 304, sheet with 3 mm dia holes with stainless steel flange.		
18.15.3	150mm dia	Each	11144.00	18.15.3	150mm dia	Each	10879.00