

REVISED EMBEDDED TAX RATES
AS PER BOCEs 23.03.2019
(SoR 2010-11)

Statement showing the Schedule of Rates with Revised embedded tax rates for the Irrigation work items of SoR 2010-11

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for 2010-11	Total embedded Tax Rate (%)
1	2	3	4	5
1	Acetylene gas	cum	250.00	20.64
2	Asphalt 80/100 Grade	Kg	30.00	20.63
3	Binding wire	Kg	52.00	20.65
4	Burnt stone slab 10 cm thick	sqm	210.00	20.64
5	Cement 43 Gr/53 Gr Note: Rate as fixed by the Government	tonne	3,700.00	32.82
6	Chequered plate	Kg	40.00	20.63
7	Coarse aggregate 10-4.75 mm(excluding Seignioragecharges)	cum	750.00	-
8	Coarse aggregate 20-10 mm(excluding Seigniorage charges)	cum	1,025.00	-
9	Coarse aggregate 40-20 mm(excluding Seigniorage charges)	cum	975.00	-
10	Coarse aggregate 80-40 mm(excluding Seigniorage charges)	cum	560.00	-
11	Coir brush	Each	22.00	20.68
12	Copper sheet 16 SWG	kg	430.00	20.64
13	Coursed rubble stone 30 x 30 x 45 cm(excluding Seigniorage charges)	Each	13.00	4
14	Coursed rubble stone 30 x 30 x 60 cm(excluding Seigniorage charges)	Each	15.00	4
15	Curing Compound	Ltr	95.00	32.81
16	D – cord	Rm	10.00	32.8
17	Delay - noiseless trunk	Each	18.00	14.5
18	Detonating fuse coil	Rm	7.00	32.83
19	Detonating shock tube / Cord relays	Rm	50.00	32.8
20	Detonator delay type	Each	17.00	32.81
21	Detonator electric	Each	10.00	32.8
22	Detonator ordinary	Each	5.00	32.63
23	Empty cement bag	Each	3.00	4
24	Explosive ANFO	kg	27.00	32.81
25	Explosive ANFO high strength booster	kg	60.00	32.83
26	Explosive small dia (Kelvex-220 or equivalent)	kg	50.00	32.8
27	(a)Fine aggregate/ sand(un- screened) for Concrete & Filtering items) (excluding Seigniorage charges)	cum	130.00	4
	b)Fineaggregate/Sand(unscreened)for filling(excluding Seigniorage charges)	cum		

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for 2010-11	Total embedded Tax Rate (%)
28	Fine aggregate /Sand (Screened) for Mortar ,Plastering items and Sand blasting items(excluding Seigniorage charges) (Rs.76 is added towards screening Charges)	cum	260.00	4
29	Geo-textile (filter fabric) 160 gsm	sqm	75.00	25.94
30	Geo-textile (filter fabric) 200 gsm	sqm	90.00	25.96
31	Geo-textile (filter fabric) 250 gsm	sqm	110.00	25.94
32	G I Pipe 100 mm dia B Class	Rm	525.00	20.64
33	G I Pipe 15 mm dia A class	Rm	75.00	20.64
34	G I pipe 25 mm dia A class	Rm	110.00	20.64
35	G I pipe 40 mm dia B class	Rm	180.00	20.64
36	G I pipe 50 mm dia A class	Rm	220.00	20.64
37	G I Pipe 80 mm dia B Class	Rm	280.00	20.64
38	G.I Bolts / Nuts and Washers	kg	75.00	20.64
39	G.I sheet (plain)	tonne	44,000.00	20.64
40	Hariyala turfing sods	sqm	20.00	14.48
41	Hectometer stone one line dressed	Each	165.00	4
42	Hemp yarn	kg	55.00	14.42
43	Honne wood planks	cum	42,000.00	32.82
44	Hume pipe with collar 150 mm dia	Rm	210.00	20.64
45	Hume pipe with collar 300 mm dia	Rm	420.00	20.64
46	J- Bolts 30 cm long	Each	22.00	20.68
47	Jungle wood planks	cum	16,000.00	14.5
48	Khandki stone 15 to 20 cm height	Each	7.00	4.01
49	Khandki stone 20 to 25 cm height	Each	9.00	4.05
50	Khandki stone 25 to 30 cm height	Each	11.00	3.97
51	Kilometer stone one line dressed	Each	315.00	4
52	LDPE sheet (Geo membrane) 500 micron thick	sqm	63.00	20.64
53	LDPE sheet (Geo membrane) 750 micron thick	sqm	94.00	20.65
54	LDPE sheet (Geo membrane) 1000 micron thick	sqm	125.00	20.64
55	M S Bolts / Nuts / Washers	kg	50.00	20.63
56	Murrum(including loading charges but excluding Seigniorage charges)	cum	72.50	0
57	Oxalic acid	Ltr	55.00	20.64
58	Oxygen gas	cum	38.00	20.63
59	PVC sealing strip	Rm	34.00	20.65

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for 2010-11	Total embedded Tax Rate (%)
60	PVC water stopper 310 mm wide	Rm	380.00	4
61	PVC pipe of 100 mm dia	Rm	135.00	4
62	Reinforcement steel (HYSD/TMT)Note: As per Monthly rate fixed by Sub-Committee	tonne	34,000.00	20.64
63	Resin bond Cement capsule	Each	52.00	20.65
64	Rough stone 20 x 20 x 75 cm (Including Loading charges but excluding Seigniorage Charges)	Each	11.00	4
65	Shahabad stone slab (including loading charges but excluding Seigniorage charges)	sqm	170.00	4
66	Stone chips (at dump yard/Spoil)(including loading charges but excluding Seigniorage charges)	cum	160.00	4
67	Stone chips (at quarry) (including loading charges but excluding Seigniorage charges)	cum	286.00	4
68	Structural steel angle / channel / beam / bars Note: As per Monthly rate fixed by Sub-Committee	tonne	34,000.00	20.64
69	Structural steel plate / flats Note: As per Monthly rate fixed by Sub-Committee	tonne	40,000.00	20.64
70	Super Plasticizer (Conplast RP-264 or equivalent)	kg	50.00	14.5
71	Synthetic Enamel paint 1st quality	Ltr	175.00	32.82
72	Synthetic adhesive (Resin + Hardener)	Kg	180.00	32.81
73	Tar felt joint filler board 12 mm thick	sqm	320.00	32.82
74	Tar felt joint filler board 20 mm thick	sqm	520.00	32.82
75	Through stones 20 x 20 x 30 to 45 cm (including loading charges but excluding Seigniorage charges)	Each	16.00	4
76	Through stones 25 x 25 x 45 to 60 cm long (including loading charges but excluding Seigniorage charges)	Each	27.00	4
77	Through stones 30 x 30 x 65 to 75 cm long (including loading charges but excluding Seigniorage charges)	Each	38.00	4
78	Un-coursed rubble stones (at dump yard /Spoil) (including loading charges but excluding Seigniorage charges)	cum	140.00	4

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for 2010-11	Total embedded Tax Rate (%)
79	Un-coursed rubble stones (at quarry)(including loading charges but excluding Seigniorage charges)	cum	230.00	4
80	Water proofing compound	kg	55.00	32.82
81	Welding electrodes 4 mm dia	Each	9.00	15.98
82	Wire brush	Each	30.00	16.01
83	Wire mesh 20 gauge	sqm	160.00	16
84	Zinc chromate red oxide primer paint	Ltr	90.00	32.82
85	inorganic zinc silicate	Ltr	440.00	32.82
86	solvent less coal tar epoxy paint	Ltr	180.00	20.22
87	Zinc phosphate primer	Ltr	155.00	32.82
88	Allkyd based iron oxide paint	Ltr	120.00	32.83
89	Cost of hdpe / light black MS casing pipe(150mm dia)	Rm	525.00	20.64
90	welded steel wire fabric 100X100X5 mm size	Kg	105.00	20.65
ADDITIONAL MATERIALS FOR GATES & HOISTS				
1	Alloy steel (IS : 1570-carbon steel) shafts	Kg	145.00	20.64
2	Alloy steel (IS : 1570-stainless steel) pins	Kg	275.00	20.64
3	Bolt / Nut / Washer (hot dipped galvanized)	Kg	90.00	20.64
4	Bolt / Nut / Washer (stainless steel)	Kg	200.00	20.64
5	Bronze/Aluminum alloy(IS:305)bearings/bushes	Kg	550.00	20.64
6	Cast iron blocks	Kg	55.00	20.64
7	Cast steel drums / gears	Kg	110.00	20.64

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for 2010-11	Total embedded Tax Rate (%)
8	Cast steel pinions	Kg	155.00	20.64
9	Cast steel wheels / pulleys / hubs / rollers /Retainers	Kg	120.00	20.64
10	Chemical for de-greasing/ de-rusting/phosphate Coating	Ltr	100.00	14.5
11	Coal tar epoxy paint	Ltr	130.00	14.5
12	Forged steel hooks / shackles	Kg	175.00	20.64
13	MS pipe 200 / 300 mm dia	Kg	120.00	20.64
14	MS pipe 32 mm dia	Rm	130.00	20.64
15	MS pipe 25 mm dia	Rm	115.00	20.63
16	Rubber bottom seal (IS : 11855) (100mmX14 mm)	Rm	530.00	32.82
17	Rubber side seal (music note type Teflon claded) (IS : 11855)	Rm	1,000.00	32.82
18	Rubber side seal (music note type uncladed) (IS : 11855)	Rm	850.00	32.82
19	Rubber side seal Z-type (IS : 11855)	Rm	1,800.00	32.82
20	Rubber corner seal (Teflon claded) (IS : 11855)	Each	2,050.00	32.82
21	Rubber corner seal (un claded) (IS : 11855)	Each	1,850.00	32.82
22	Stainless steel plates / flats	Kg	190.00	20.64
23	Welding electrode 4 mm dia x 450 mm (radiographic low hydrogen)	Each	11.00	20.61
24	Welding electrode 4 mm dia x 450 mm (stainless steel)	Each	18.00	20.64
25	Wire rope 6x37 constn (IS : 2266)	Kg	120.00	20.64
26	Zinc	Kg	120.00	20.64
27	Zinc rich (zinc content : 90 %) epoxy primer	Ltr	385.00	32.82

**Revised Embedded Tax Rates for Capital cost of Machinery/Equipment
(For the SoR 2010-11)**

SI No	DESCRIPTION OF MACHINERY / EQUIPMENT	UNIT	S. Rate for 2010-11	Total embedded Tax Rate (%)
1	2	3	4	5
1	Agitator car / Transit mixer 2 cum (excluding tyres)	Each	1,700,000.00	-
	tyres and tubes 6 sets	Each	63,000.00	-
2	Air compressor 5 cmm electric	Each	440,000.00	-
3	Air compressor 7 cmm diesel	Each	650,000.00	-
4	Air compressor 7 cmm electric	Each	630,000.00	-
5	Air compressor 8.5 cmm diesel	Each	750,000.00	-
6	Air compressor 8.5 cmm electric	Each	714,000.00	-
7	Air compressor 15 cmm electric	Each	900,000.00	-
8	Angle Dozer 90 hp	Each	3,800,000.00	-
9	Batching plant 0.5 cum with accessories(6 Cum/hr)	Each	950,000.00	-
10	Batching plant 2 x 1.00 cum with accessories(15 Cum/hr)	Each	2,500,000.00	-
11	Batching plant 2 x 1.50 cum with accessories(50 Cum/hr)	Each	3,200,000.00	-
12	Bending machine	Each	180,000.00	-
13	Clamp shell and hoisting ropes	Each	21,000.00	-
14	Concrete bucket 1.5 cum	Each	42,000.00	-
15	Concrete hand mixer 45/30 ltr	Each	10,500.00	-
16	Concrete mixer 300/200 ltr(diesel)	Each	115,000.00	-
17	Concrete mixer 300/200 ltr (electric)	Each	105,000.00	-
18	Concrete mixer 600/400 ltr(diesel)	Each	195,000.00	-
19	Concrete mixer 600/400 ltr (electric)	Each	160,000.00	-
20	Concrete paver 100 Sqm / hr	Each	1,700,000.00	-
21	Convey mucker (excluding tyres)	Each	2,900,000.00	-
	tyres and tubes 6 sets		63,000.00	-
22	Core drilling machine	Each	800,000.00	-
23	Diesel generating set 30 KVA	Each	340,000.00	-
24	Diesel generating set 50 KVA	Each	450,000.00	-
25	Diesel Loco 45 hp	Each	1,250,000.00	-
26	Dewatering pump 5 hp diesel	Each	30,000.00	-
27	Dewatering pump 5 hp electric	Each	15,750.00	-
28	Dewatering pump 10 hp diesel	Each	45,000.00	-
29	Dewatering pump 10 hp electric	Each	24,000.00	-
30	Dewatering pump 20 hp diesel	Each	130,000.00	-
31	Dewatering pump 20 hp electric	Each	45,000.00	-
32	Drifter	Each	658,000.00	-
33	Drilling jumbo (excluding tyres)	Each	960,000.00	-
	tyres and tubes 6 sets		63,000.00	-
34	Dumper 4.5 cum (excluding tyres)	Each	882,000.00	-
	tyres and tubes 6 sets		63,000.00	-
35	Geophysical Ele.resistivity meter	Each	288,000.00	-
36	Grouting pump	Each	73,000.00	-
37	Guniting / sand blasting equipment	Each	198,000.00	-

SI No	DESCRIPTION OF MACHINERY / EQUIPMENT	UNIT	S. Rate for 2010-11	Total embedded Tax Rate (%)
38	Ice plant with accessories 30 t / day	Each	1,732,000.00	-
39	Jack hammer	Each	40,000.00	-
40	Needle vibrator 40 mm petrol	Each	14,000.00	-
41	Needle vibrator 40 mm electric	Each	16,000.00	-
42	Needle vibrator 60 mm petrol	Each	14,700.00	-
43	Needle vibrator 60 mm electric	Each	18,900.00	-
44	Planing machine 4 m stroke	Each	553,000.00	-
45	Plate shearing machine up to 12 mm	Each	295,000.00	-
46	Pneumatic placer 0.5 cum	Each	420,000.00	-
47	Pneumatic tamper	Each	50,900.00	-
48	Pug cutting machine	Each	13,600.00	-
49	Pusher leg	Each	31,500.00	-
50	Road roller diesel 10 t	Each	630,000.00	-
51	Shovel 0.50 cum 75 hp	Each	2,400,000.00	-
52	Shovel 0.85 cum 110 hp	Each	4,090,000.00	-
53	Stationery derrick crane 5 t	Each	470,000.00	-
54	Tipper 5 cum (excluding tyres)	Each	1,195,000.00	-
	tyres and tubes 6 sets		63,000.00	-
55	Tipping tub 1.5 cum	Each	115,000.00	-
56	Tower crane 5 tonne	Each	5,700,000.00	-
57	Transformer 250 KVA	Each	300,000.00	-
58	Truck 10 t (excluding tyres)	Each	880,000.00	-
	tyres and tubes 6 sets		63,000.00	-
59	Truck mounted derrick crane 5 t (excluding tyres)	Each	1,500,000.00	-
	tyres and tubes 6 sets		63,000.00	-
60	Upright drilling machine	Each	42,000.00	-
61	Ventilation fan 20 hp	Each	131,000.00	-
62	Vibratory pad foot roller 8 t	Each	1,890,000.00	-
63	Wagon drill	Each	470,000.00	-
64	Water tanker 8000 ltr (excluding tyres)	Each	880,000.00	-
	tyres and tubes 6 sets		63,000.00	-
65	Welding set	Each	36,500.00	-
66	Winch 35 hp electric	Each	268,000.00	-
ACCESSORIES TO MACHINERY / EQUIPMENT				
1	Casing shoe bit	Each	7,800.00	-
2	Diamond core bit BX size	Each	9,400.00	-
3	Diamond core bit NX size	Each	14,500.00	-
4	Double tube core barrel	Each	10,500.00	-
5	Extension drill rod with coupling sleeve	Rm	1,550.00	-
6	Jack hammer drill rod 1.5 m	Each	3,100.00	-
7	Jack hammer drill rod 2.5 m	Each	5,200.00	-
8	Nozzle for Guniting / sand blasting gun	Each	525.00	-
9	Paving Cylinder	Each	21,000.00	-
10	Rails 30R (30 kg / m)	tonne	34,500.00	-
11	Reamer shell	Each	3,600.00	-

SI No	DESCRIPTION OF MACHINERY / EQUIPMENT	UNIT	S. Rate for 2010-11	Total embedded Tax Rate (%)
12	T.C. Cross bit 50 mm dia	Each	4,700.00	-
13	T.C. Cross bit 75 mm dia	Each	7,800.00	-
14	T.C. Cross bit 100 mm dia	Each	9,900.00	-
15	Tyres and Tubes for truck	Set	13,100.00	-
16	Wire rope 16 mm dia	Rm	155.00	-
17	Excavation of drain with Excavator	cum	21.00	-
<u>OTHER COSTS ON MATERIAL / MACHINERY / EQUIPMENT</u>				
1	Air hose 25 mm dia	Rm	115.00	20.63
2	Air hose 50 mm dia	Rm	220.00	20.64
3	Demand charges (HT-2B on power supply)	KVA /month	195.00	0
4	Diesel	Ltr	38.50	0
5	Electric power (HT-2B Category including taxes)	Kwhr	4.30	0
6	Excise duty on Gates / Hoist supplies	%	0%	
7	Insurance charges on machinery	% / annum	1%	0
8	Interest on capital cost	% / annum	12%	0
9	Lubricants	Ltr	190.00	20.64
10	Petrol	Ltr	53.00	0
11	Rivets	Kg	75.00	20.64
12	Road tax on transport vehicles	Rs./annu	As per RTA	
13	Shalimatic sealing compound	Kg	65.00	14.5
14	Shutter oil	Ltr	50.00	16.01
15	Structural steel fabrication	Kg	15.00	0
16	Sundries (Lump sum for un quantified inputs)	LS	30.00	0
17	Water hose (pressure) 20 mm dia	Rm	165.00	20.64
18	Steel wedges	LS	11.00	20.61
19	Elbows / Nipple / Plugs etc.,	LS	12.00	20.6
20	Soldering materials	LS	11.00	20.61
21	Steam circulation arrangement	LS	11.00	20.61
22	Fuel charges (gas for heating)	LS	11.00	3.97
23	Vulcanizing materials	LS	11.00	0
24	Other accessories / controls / junctions	LS	11.00	0
25	Miscellaneous fittings / switches etc	LS	11.00	0
26	Anchors / supports for cables / lights	LS	11.00	0
27	Civil works for foundations / pedestals / duct etc	LS	11.00	0
28	Gas cutting set (2 No's 15 m hose and nozzle unit)	Each	10,000.00	20.64
29	Grease	Kg	145.00	20.64
30	Welding holder set (cable / holder / gloves / mask etc)	Each	4,600.00	20.64
31	Use rate of ropes	LS	110.00	0

SI No	DESCRIPTION OF MACHINERY / EQUIPMENT	UNIT	S. Rate for 2010-11	Total embedded Tax Rate (%)
<u>MATERIALS FOR GATES AND HOISTS</u>				
1	Worm reducers	Each	157,500	32.82
2	Electric motor 20 hp(Double Shaft)	Each	84,000	32.82
3	Electric motor 17.5 hp(Double Shaft)	Each	58,000	32.82
4	Electric motor 12.5 hp(Double Shaft)	Each	46,500	32.82
5	Electric motor 5 hp(Double Shaft)	Each	25,500	32.82
6	Electric motor 3 hp (Double Shaft)	Each	17,500	32.82
7	Electric motor 2 hp (Double Shaft)	Each	9,000	32.82
8	Floating shaft 300 mm dia	Kg	135	32.82
9	Manual operating system	Each	21,000	32.82
10	Gate position indicator	Each	120,000	32.82
11	Ele-magnetic brake	Each	23,000	32.82
12	Electric cable / switch / control panel etc	LS	27,500	20.64
13	Wire rope sockets	Each	2,750	20.64

**Revised embedded tax rates for the Materials other than covered under
Irrigation Work items for the SoR 2010 - 11**

Sl. No.	Description	Unit	S. Rate for 2010-11	Total embedded Tax Rate (%)
1	2	3	4	5
M-002	Quarried stone 150 - 200 mm size for Hand Broken	Cum	130.00	4
M-003	Boulder with minimum size of 300 mm for Pitching (Excluding Seigniorage)	Cum	145.00	4
M-004	Coarse sand for filling (Excluding Seigniorage)	Cum	110.00	4.00
M-005	Coarse sand for mortar(Excluding Seigniorage)	Cum	130.00	4.00
M-006	Fine Sand (Excluding Seigniorage charges)	Cum	Rate as per item No.28, material rates of Irrigation	
M-007	Murrum (Excluding Seigniorage charges)	Cum	Rate as per item No.56, material rates of Irrigation	
M-008	Gravel/Quarry spall(Excluding Seigniorage Charges)	Cum	72.50	0.00
M-009	Granular Material or hard Murrum for GSB works	Cum	Deleted	
M-010	Granular Material or hard Murrum for GSB works(Excluding Seigniorage charges)	Cum	Rate as per item no.56 of material rates of Irrigation.	
M-011	Fly ash conforming to IS: 3812 (Part II & I)	Cum	42.00	16.00
M-012	Filter media/Filter Material as per Table 300-3 (MoRT&H Specification) (excluding Seigniorage Charges)	Cum	305.00	4.00
M-013	Close graded Granular sub-base Material 53 mm to 9.5 mm (excluding Seigniorage Charges)	Cum	605.00	-
M-014	Close graded Granular sub-base Material 37.5 mm to 9.5 mm (excluding Seigniorage Charges)	Cum	625.00	-
M-015	Close graded Granular sub-base Material 26.5 mm to 9.5 mm (excluding Seigniorage Charges)	Cum	645.00	-
M-016	Close graded Granular sub-base Material 9.5 mm to 4.75 mm (excluding Seigniorage Charges)	Cum	545.00	-
M-017	Close graded Granular sub-base Material 9.5 mm to 2.36 mm (excluding Seigniorage Charges)	Cum	535.00	-
M-018	Close graded Granular sub-base Material 4.75 mm to 2.36 mm (excluding Seigniorage Charges)		475.00	4
M-019	Close graded Granular sub-base Material 4.75mm to 75 micron mm(excluding Seigniorage Charges)	cum	455.00	4
M-020	Close graded Granular sub-base Material 2.36 mm (excluding Seigniorage Charges)	Cum	455.00	4

**Revised embedded tax rates for the Materials other than covered under
Irrigation Work items for the SoR 2010 - 11**

Sl. No.	Description	Unit	S. Rate for 2010-11	Total embedded Tax Rate (%)
M-021	Stone crusher dust finer than 3mm with not more than 10% passing 0.075 sieve. (excluding Seigniorage Charges)	Cum	255.00	4
M-022	Coarse graded Granular sub-base Material 2.36 mm & below (excluding Seigniorage Charges)	Cum	415.00	4
M-023	Coarse graded Granular sub-base Material 4.75mm to 75 micron mm (excluding Seigniorage Charges)	cum	445.00	4
M-024	Coarse graded Granular sub-base Material 4.75 mm to 2.36 mm (excluding Seigniorage Charges)	Cum	445.00	4
M-025	Coarse graded Granular sub-base Material 9.5 mm to 4.75 mm (excluding Seigniorage Charges)	Cum	520.00	-
M-026	Coarse graded Granular sub-base Material 26.5 mm to 4.75 mm (excluding Seigniorage Charges)	Cum	565.00	-
M-027	Coarse graded Granular sub-base Material 26.5 mm to 9.5 mm (excluding Seigniorage Charges)	Cum	615.00	-
M-028	Coarse graded Granular sub-base Material 37.5 mm to 9.5 mm (excluding Seigniorage Charges)	Cum	625.00	-
M-029	Coarse graded Granular sub-base Material 53 mm to 26 .5mm (excluding Seigniorage Charges)	Cum	765.00	-
M-030	Aggregates below 5.6 mm (excluding Seigniorage Charges)	Cum	505.00	4
M-031	Aggregates 22.4 mm to 2.36 mm (excluding Seigniorage Charges)	Cum	805.00	-
M-032	Aggregates 22.4 mm to 5.6 mm (excluding Seigniorage Charges)	Cum	905.00	-
M-033	Aggregates 45 mm to 2.8 mm (excluding Seigniorage Charges)	Cum	630.00	-
M-034	Aggregates 45 mm to 22.4 mm (excluding Seigniorage Charges)	Cum	975.00	-
M-035	Aggregates 53 mm to 2.8 mm (excluding Seigniorage Charges)	Cum	805.00	-
M-036	Aggregates 53 mm to 22.4 mm (excluding Seigniorage Charges)	Cum	765.00	-
M-037	Aggregates 63 mm to 2.8 mm (excluding Seigniorage Charges)	Cum	625.00	-
M-038	Aggregates 63 mm to 45 mm (excluding Seigniorage Charges)	Cum	595.00	-
M-039	Aggregates 90 mm to 45 mm (excluding Seigniorage Charges)	Cum	560.00	-
M-040	Aggregates 10 mm to 5 mm (excluding Seigniorage Charges)	Cum	750.00	-
M-041	Aggregates 11.2 mm to 0.09 mm (excluding Seigniorage Charges)	Cum	630.00	-

**Revised embedded tax rates for the Materials other than covered under
Irrigation Work items for the SoR 2010 - 11**

Sl. No.	Description	Unit	S. Rate for 2010-11	Total embedded Tax Rate (%)
M-042	Aggregates 13.2 mm to 0.09 mm (excluding Seiniorage Charges)	Cum	705.00	-
M-043	Aggregates 13.2 mm to 5.6 mm (excluding Seiniorage Charges)	Cum	805.00	-
M-044	Aggregates 13.2 mm to 10 mm (excluding Seiniorage Charges)	Cum	895.00	-
M-045	Aggregates 20 mm to 10 mm (excluding Seiniorage Charges)	Cum	1025.00	-
M-046	Aggregates 25 mm to 10 mm (excluding Seiniorage Charges)	Cum	985.00	-
M-047	Aggregates 19 mm to 6 mm (excluding Seiniorage Charges)	Cum	905.00	-
M-048	Aggregates 37.5 mm to 19 mm (excluding Seiniorage Charges)	Cum	960.00	-
M-049	Aggregates 37.5 mm to 25 mm (excluding Seiniorage Charges)	Cum	945.00	-
M-050	Aggregates 6 mm nominal size (excluding Seiniorage Charges)	Cum	655.00	-
M-051	Aggregates 10 mm nominal size (excluding Seiniorage Charges)	Cum	820.00	-
M-052	Aggregates 13.2/12.5 mm nominal size (excluding Seiniorage Charges)	Cum	980.00	-
M-053	Aggregates 20 mm nominal size (excluding Seiniorage Charges)	Cum	1175.00	-
M-054	Aggregates 25 mm nominal size (excluding Seiniorage Charges)	Cum	1155.00	-
M-055	Aggregates 40 mm nominal size (excluding Seiniorage Charges)	Cum	745.00	-
M-056	AC pipe 100 mm dia	Metre	Rate as per PH Item	
M-057	Acrylic polymer bonding coat	Litre	370	20.64
M-058	Aluminum Paint	Litre	270	32.82
M-059	Aluminum alloy plate 2mm Thick	Sqm	275	20.64
M-060	Aluminum alloy/Galvanized steel	Tonne	50000	20.64
M-061	Aluminum sheeting fixed with encapsulated lens type reflective sheeting including 2% towards lettering, cost of angle iron, cost of drilling holes, nuts, bolts etc. and signs as applicable	Sqm	740	20.64
M-062	Aluminum studs 100 x 100 mm fitted with lens	No's	As per local marketing rate	
M-063	Barbed wire	Kg	60	20.65
M-064	Bearing (Cost of parts)	No's	450	20.64

**Revised embedded tax rates for the Materials other than covered under
Irrigation Work items for the SoR 2010 - 11**

Sl. No.	Description	Unit	S. Rate for 2010-11	Total embedded Tax Rate (%)
M-065	Bearing (Cast steel rocker bearing assembly of 250 tonne)	No's	630	20.64
M-066	Bearing (Elastomeric bearing assembly consisting of 7 internal layers of elastomer bonded to 6 nos. internal reinforcing steel laminates by the process of vulcanization,)	Cm3	0.5	21.95
M-067	Bearing (Forged steel roller bearing of 250 tonne)	No's	As per market competitive Rates	
M-068	Bearing (Pot type bearing assembly consisting of a metal piston supported by a disc, PTFE pads providing sliding surfaces against stainless steel mating together with cast steel assemblies/fabricated structural steel assemblies duly painted with all components	No's		
M-069	Bearing (PTFE sliding plate bearing assembly of 80 tonne)	No's		
M-070	Bearing (Supply of sliding plate bearing of 80 tonne)	No's		
M-071	Bentonite	Kg	5.50	14.58
M-072	Binding wire	Kg	Rate as per item no.3 material rates of Irrigation	
M-073	Bitumen (Cationic Emulsion)	Tonne	As per rates fixed by R&B Dept based on refinery rates	
M-074	Bitumen (60-70 grade) (Excluding taxes)	Tonne	As per rates fixed by R&B Dept based on refinery rates	
M-075	Bitumen (80-100 grade) (Excluding taxes)	Tonne		
M-076	Bitumen (Cutback)	Tonne		
M-077	Bitumen (emulsion) (Excluding taxes)	Tonne		
M-078	Bitumen (modified graded)	Tonne		
M-079	Brick	Each	As per Building SSR	-
M-080	C.I. shoes for the pile	Kg	42	20.65

**Revised embedded tax rates for the Materials other than covered under
Irrigation Work items for the SoR 2010 - 11**

Sl. No.	Description	Unit	S. Rate for 2010-11	Total embedded Tax Rate (%)
M-081	Cement	Tonne	Rate as per item No.5, material rates of Irrigation	
M-082	Cold twisted bars (HYSD/TMT Bars)	Tonne	Rate as per item No.62, material rates of Irrigation	
M-083	Collar for joints 300 mm dia	No's	125	32.82
M-084	Compressible Fibre Board (20mm thick)	Sqm	420	14.50
M-085	Connectors/ Staples	Each	63	32.83
M-086	Copper Plate (12m long x 250mm wide)	Kg	390	32.82
M-087	Corrosion resistant Structural steel	Tonne	44000	20.64
M-088	Corrugated sheet, 3 mm thick, "Tie" beam section railing	Kg	150	20.64
M-089	Credit for excavated rock found suitable for use	Cum	110	4.00
M-090	Curing compound	Liter	Rate as per item No.15, material rates of Irrigation	
M-091	Delineators from ISI certified firm as per the standard drawing given in IRC - 79	Each	As per local competitive quotations	
M-092	Earth Cost or compensation for earth taken from private land (Excluding Seigniorage Charges)	Cum	25	0.00
M-093	Elastomeric slab seal expansion joint assembly manufactured by using chloroprene, elastomer for elastomeric slab unit conforming to clause 915.1 of IRC: 83 (part II),	Metre	As per local competitive quotations	
M-094	Electric Detonators @ 1 detonator for 1/2 gelatin stick of 125 gms each	100 no's	1050	32.82
M-095	Epoxy compound with accessories for preparing epoxy mortar	Kg	275	32.82
M-096	Epoxy mortar	Kg	85	32.81
M-097	Epoxy primer	Kg	480	32.82
M-098	Epoxy resin-hardener mix for prime coat	Kg	500	32.82
M-099	Flag of red color cloth 600 x 600 mm	Each	21	4.00
M-100	Flowering Plants	Each	27	4.00
M-101	Galvanized MS flat clamp	No's	160	20.64
M-102	Galvanized steel wire crates of mesh size 100 mm x 100 mm woven with 4mm dia. GI wire in rolls of required size.	Sqm	135	20.63

**Revised embedded tax rates for the Materials other than covered under
Irrigation Work items for the SoR 2010 - 11**

Sl. No.	Description	Unit	S. Rate for 2010-11	Total embedded Tax Rate (%)
M-103	Galvanized structural steel plate 200 mm wide, 6 mm thick, 24 m long	Kg	735	20.64
M-104	Gelatin 80%	Kg	525	32.82
M-105	Geo grids	Sqm	As per local competitive quotations	
M-106	(a) Geo membrane 500 micron thick	Sqm	Rate covered from from Sl.No 52 to 54 of material items of Irrigation	
	(b) Geo membrane 750 micron thick	Sqm		
	(c) Geo membrane 1000 micron thick	Sqm		
M-107	Geo nets	Sqm	As per local competitive	
M-108	(a)Geo textile 160 gsm	Sqm	Rate covered from from Sl.No 52 to 54 of material items of Irrigation	
	(b) Geo textile 200 gsm	Sqm		
	(c) Geo textile 250 gsm	Sqm		
M-109	Geo textile filter fabric	Sqm	As per local competitive quotations	
M-110	GI bolt 10 mm Dia	No's	18	32.84
M-111	Grouting pump with agitator	Hour	Rate covered in hire charges of machinery of irrigation items	
M-112	Grass (Doob)	Kg	3.30	14.58
M-113	Grass (Fine)	Kg	4.50	0.00
M-114	HDPE pipes 75mm dia	Metre	Rate as per PH Item	
M-115	HDPE pipes 90mm dia	Metre		
M-116	Hedge plants	Each	Rate as per local competitive quotations	
M-117	Helical pipes 600mm diameter	Metre		
M-118	Hot applied thermoplastic compound	Litre		
M-119	HTS strand	Tonne		
M-120	Joint Sealant Compound	Kg		
M-121	Jute netting, open weave, 2.5 cm square	Sqm	70	25.94
M-122	LDO for steam curing	Litre	50	32.80
M-123	M.S. Clamps	Kg	Deleted	
M-124	M.S. Clamps	Kg	Rate as per local competitive quotations	

**Revised embedded tax rates for the Materials other than covered under
Irrigation Work items for the SoR 2010 - 11**

Sl. No.	Description	Unit	S. Rate for 2010-11	Total embedded Tax Rate (%)
M-125	M.S. shoes @ 35 Kg per pile of 15 m	Kg	Rate as per local competitive quotations	
M-126	Mild Steel bars	Tonne	33000	20.64
M-127	Modular strip/box seal expansion joint including anchorage catering to a horizontal movement beyond 70 mm and up to 140mm assembly comprising of edge beams, central beam, 2 modules chloroprene seal, anchorage elements, support and control system, all steel sections protected against corrosion and installed by the manufacturer or his authorized representative	Metre	Rate as per local competitive quotations	
M-128	Modular strip/box seal expansion joint catering to a horizontal movement beyond 140mm and up to 210mm box/box seal joint assembly containing 3 modules/cells and comprising of edge beams, two central beams, chloroprene seal, anchorage elements, support and control system, all steel sections protected against corrosion and installed by the manufacturer or his authorized representative	Metre	Rate as per local competitive quotations	
M-129	Nipples 12mm	No's	13	21.84
M-130	Nuts and bolts	Kg	65	21.81
M-131	Paint	Litre	As per Building SSR	
M-132	Pavement Marking Paint	Litre	Rate as per local competitive quotations	
M-133	Paving Fabric	Sqm		
M-134	Perforated geo synthetic pipe 150 mm dia	Metre		
M-135	Perforated pipe of cement concrete, internal dia 100 mm	Metre		
M-136	Pesticide	Kg	Rate as per local competitive quotations	
M-137	R.C.C Pipes 200 mm dia, 2.5 m long for drainage	Metre	Rate as per PH Item	
M-138	Plastic sheath, 1.25 mm thick for dowel bars	Sqm	Rate as per local competitive quotations	
M-139	Plastic tubes 50 cm dia , 1.2 m high	No's		
M-140	Polymer braids	Metre		
M-141	Pre moulded Joint filler, 25 mm thick for expansion joint	Sqm		

**Revised embedded tax rates for the Materials other than covered under
Irrigation Work items for the SoR 2010 - 11**

Sl. No.	Description	Unit	S. Rate for 2010-11	Total embedded Tax Rate (%)
M-142	Pre-coated stone chips of 13.2 mm nominal size	Cum		
M-143	Preformed continuous chloroprene elastomer or closed cell foam sealing element with high tear strength, vulcanized in a single operation for the full length of a joint to ensure water tightness.	Meter	Rate as per local competitive quotations	
M-144	Pre-moulded asphalt filler board	Sqm		
M-145	Pre-packed cement based polymer concrete of strength 45 Mpa at 28 days	Kg	Rate as per local competitive quotations	
M-146	Sealant Primer	Kg	As per Building SSR	
M-147	Quick setting compound	Kg	As per local market rate	
M-148	Random Rubble Stone(Including Loading Charges but excluding Seignorage Charges)	Cum	205	4.00
M-149	RCC Pipe NP 4 heavy duty non pressure pipe 1000mm dia	Metre	Rate as per PH Item	
M-150	RCC Pipe NP 4 heavy duty non pressure pipe 1200 mm dia	Metre		
M-151	RCC Pipe NP 4 heavy duty non pressure pipe 300 mm dia	Metre		
M-152	Reflectorising glass beads	Kg	Rate as per local competitive quotations	
M-153	Reinforcement strips 60 mm wide 5 mm thick as per clause 3102. (Copper Strips)	Metre		
M-154	Reinforcement strips 60 mm wide 5 mm thick as per clause 3102. (Galvanized carbon steel strips)	Metre		
M-155	Reinforcement strips 60 mm wide 5 mm thick as per clause 3102. (Glass reinforced polymer/ fiber reinforced polymer/polymeric strips)	Metre		
M-156	Reinforcement strips 60 mm wide 5 mm thick as per clause 3102. (Stainless steel strips)	Metre		
M-157	Reinforcement strips 60 mm wide 5 mm thick as per clause 3102. (Aluminum strips)	Metre		
M-158	Rivets	Each	3.50	20.27
M-159	Sand bags (Cost of sand and Empty cement bag)	Per bag	14	4.00
M-160	Sapling 2 m high 25 mm dia	Each	Rate as per local competitive quotations	
M-161	Scrap tyres of size 900 x 20	No's	55	20.64
M-162	Seeds(Grass)	Kg	13	0.00

**Revised embedded tax rates for the Materials other than covered under
Irrigation Work items for the SoR 2010 - 11**

Sl. No.	Description	Unit	S. Rate for 2010-11	Total embedded Tax Rate (%)
M-163	Cost of Selected earth (Excluding Seignorage Charges)	Cum	65	0.00
M-164	Separation Membrane of impermeable plastic sheeting 125 micron thick	Sqm	Rate as per local competitive quotations	
M-165	Sheathing duct	Metre		
M-166	Shrubs	Each	11	0.00
M-167	Sludge / Farm yard manure @ 0.18 cum per 100 sqm at site of work for turfing	Cum	Rate as per local competitive quotations	
M-168	Sodium vapour lamp	Each	As per Building SSR	
M-169	Square Rubble Coursed Stone(Including Loading Charges but excluding Seignorage charges)	Cum	1680	4.00
M-170	Steel circular hollow pole of standard specification for street lighting to mount light at 5 m height above deck level	Each	Rate to be obtained from Electricity / Muncipal Departments	
M-171	Steel circular hollow pole of standard specification for street lighting to mount light at 9 m height above road level	Each		
M-172	Steel drum 300 mm dia 1.2 m high/empty bitumen drum	No's	Rate as per local competitive market rate	
M-173	Steel helmet and cushion block on top of pile head during driving.	Kg		
M-174	Steel pipe 25 mm external dia as per IS:1239	Metre	210	20.64
M-175	Steel pipe 50 mm external dia as per IS:1239	Metre	420	20.64
M-176	Steel wire rope 20 mm	Kg	135	20.63
M-177	Steel wire rope 40 mm	Kg	155	20.64
M-178	Strip seal expansion joint	Metre	Rate as per local competitive quotations	

**Revised embedded tax rates for the Materials other than covered under
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Sl. No.	Description	Unit	S. Rate for 2010-11	Total embedded Tax Rate (%)
M-179	Structural Steel(HYSD/TMT bars)	Tonne	34000	20.64
M-180	Super plasticizer admixture IS marked as per 9103-1999	Kg	Rate as per item no.70, material rates of irrigation	
M-181	Synthetic Geo grids as per clause 3102.8 and approved design and specifications.	Sqm	Rate as per local competitive quotations	
M-182	Through and bond stone	Each	Rate covered from from SI.No 75 to 77 of material items of Irrigation	
	(a) 20X20x30 to 45 cm long	Each		
	Through and bond stone			
	(b) 25X25x45 to 60 cm long			
	Through and bond stone	Each		
	(c) 30X30x65 to 75 cm long			
M-183	Tie rods 20mm diameter	No's	35	32.83
M-184	Tiles size 300 x 300 mm and 25 mm thick	Each	As per building SSR	
M-185	Timber	Cum		
M-186	Traffic cones with 150 mm reflective sleeve	No's	Rate as per local competitive quotations	
M-187	Tube anchorage set complete with bearing plate, permanent wedges etc	No's		
M-188	Un slaked lime	Tonne	1900	4.00
M-189(a)	Water	KiloLitre	70	4.00
M-190	Water based cement paint	Litre	As per building SSR	
M-191	Welded steel wire fabric	Kg	110	20.65
M-192	Wire mesh 50mm x 50mm size of 3mm wire	Kg	185	20.65
M-193	Wooden ballies 2" Dia for bracing	Each	As per building SSR	
M-194	Wooden ballies 8" Dia and 9 m long	Each		
M-195	Wooden packing	Cum	950	20.64
M-196	Wooden staff for fastening of flag 25 mm dia, one m long	Each	55	16.01

**Revised embedded tax rates for the Materials other than covered under
Irrigation Work items for the SoR 2010 - 11**

Sl. No.	Description	Unit	S. Rate for 2010-11	Total embedded Tax Rate (%)
Item 8.3	Printing new letter and figures of any shade (ii) English Roman	per cm height	1.10	0.00
Item 8.8	Painting Two Coats on New Concrete Surfaces	Sqm	As per building SSR	
Item 8.9	Painting angle iron post Two Coats	Sqm		
New Items				
1	Benching old embankment slopes 0.45 X 0.45 M	RM	2.40	0.00
2	Laying Sand Bags in the stipulated places including cost of empty cement bag, sand, thread, stitching charges and labour charges with 13.615 % overhead charges and contractors profits.	per bag	17.10	0.00
3	Rough stone for revetment 225mm thick (including Loading charges but excluding Seigniorage charges)	Cum	121.00	4.00

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