

REVISED EMBEDDED TAX RATES
AS PER BOCEs 23.03.2019
(SoR 2011-12)

Statement showing the Schedule of Rates with Revised embedded tax rates for the Irrigation work items of SoR 2011-12

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for 2011-12	Total embedded Tax Rate (%)
1	2	3	4	5
1	Acetylene gas	cum	275	20.64
2	Asphalt 80/100 Grade	Kg	33	20.66
3	Binding wire	Kg	55	20.64
4	Burnt stone slab 10 cm thick	sqm	227	20.64
5	Cement 43 Gr/53 Gr Note: Rate as fixed by the Government	tonne	5,500	32.82
6	Chequered plate	Kg	44	20.65
7	Coarse aggregate 10-4.75 mm(excluding Seignioragecharges)	cum	750	-
8	Coarse aggregate 20-10 mm(excluding Seigniorage charges)	cum	1,025	-
9	Coarse aggregate 40-20 mm(excluding Seigniorage charges)	cum	975	-
10	Coarse aggregate 80-40 mm(excluding Seigniorage charges)	cum	560	-
	The aggregate rates mentioned above (from SI.No.7 to SI.No.10) are exclusive of Seigniorage charges but including blasting charges of Rs.70/cum and 25% machine crushing charges. However, if the metal is obtained from hand broken, the blasting and crushing charges shall be deducted. The aggregate shall be HB Stone of Granite, Dolomite, Dolerite and Trap. (Quartzite and Basalt with aggregate impact of less than 20)			
11	Coir brush	Each	24	20.6
12	Copper sheet 16 SWG	kg	530	20.64
13	Coursed rubble stone 30 x 30 x 45 cm(excluding Seigniorage charges)	Each	15	4
14	Coursed rubble stone 30 x 30 x 60 cm(excluding Seigniorage charges)	Each	18	4
15	Curing Compound	Ltr	105	32.83
16	D – cord	Rm	11	32.85
17	Delay - noiseless trunk	Each	19	32.87
18	Detonating fuse coil	Rm	8	32.67
19	Detonating shock tube / Cord relays	Rm	55	32.82
20	Detonator delay type	Each	19	32.87
21	Detonator electric	Each	11	32.85
22	Detonator ordinary	Each	6	32.74
23	Empty cement bag	Each	3.50	
24	Explosive ANFO	kg	29	32.78
25	Explosive ANFO high strength booster	kg	65	32.82
26	Explosive small dia (Kelvex-220 or equivalent)	kg	54	32.81
27	(a) Fine aggregate/ sand(un- screened) for Concrete & Filtering items) (excluding Seigniorage charges)	cum	325	4
28	Fine aggregate /Sand (Screened) for Mortar ,Plastering items and Sand blasting items(excluding Seigniorage charges) (Rs.76 is added towards screening Charges)	cum	425	4
29	Geo-textile (filter fabric) 160 gsm	sqm	85	25.94
30	Geo-textile (filter fabric) 200 gsm	sqm	100	25.94
31	Geo-textile (filter fabric) 250 gsm	sqm	120	25.96
32	G I Pipe 100 mm dia B Class	Rm	551	20.64
33	G I Pipe 15 mm dia A class	Rm	79	20.65
34	G I pipe 25 mm dia A class	Rm	116	20.63
35	G I pipe 40 mm dia B class	Rm	189	20.64
36	G I pipe 50 mm dia A class	Rm	231	20.64
37	G I Pipe 80 mm dia B Class	Rm	294	20.64

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for 2011-12	Total embedded Tax Rate (%)
38	G.I Bolts / Nuts and Washers	kg	85	20.64
39	G.I sheet (plain)	tonne	51,000	20.64
40	Hariyala turfing sods	sqm	22	14.52
41	Hectometer stone one line dressed	Each	180	4
42	Hemp yarn	kg	60	14.39
43	Honne wood planks	cum	45,000	32.82
44	Hume pipe with collar 150 mm dia	Rm	250	20.64
45	Hume pipe with collar 300 mm dia	Rm	500	20.64
46	J- Bolts 30 cm long	Each	25	20.66
47	Jungle wood planks	cum	18,000	14.5
48	Khandki stone 15 to 20 cm height	Each	8	4.03
49	Khandki stone 20 to 25 cm height	Each	10	3.95
50	Khandki stone 25 to 30 cm height	Each	12	3.99
51	Kilometer stone one line dressed	Each	340	4
52	LDPE sheet (Geo membrane) 500 micron thick	sqm	68	20.65
53	LDPE sheet (Geo membrane) 750 micron thick	sqm	100	20.64
54	LDPE sheet (Geo membrane) 1000 micron thick	sqm	140	20.64
55	M S Bolts / Nuts / Washers	kg	60	20.65
56	Murrum(including loading charges but excluding Seigniorage charges)	cum	80	0
57	Oxalic acid	Ltr	60	20.65
58	Oxygen gas	cum	40	20.63
59	PVC sealing strip	Rm	35	20.65
60	PVC water stopper 310 mm wide	Rm	400	20.64
61	PVC pipe of 100 mm dia	Rm	140	20.64
62	Reinforcement steel (HYSD/TMT)Note: As per Monthly rate fixed by Sub-Committee	tonne	41,000	20.64
63	Resin bond Cement capsule	Each	56	20.64
64	Rough stone 20 x 20 x 75 cm (Including Loading charges but excluding Seigniorage Charges)	Each	13	4
65	Shahabad stone slab (including loading charges but excluding Seigniorage charges)	sqm	179	4
66	Stone chips (at dump yard/Spoil)(including loading charges but excluding Seigniorage charges)	cum	175	4
67	Stone chips (at quarry)(including loading charges but excluding Seigniorage charges)	cum	310	4
68	Structural steel angle / channel / beam / bars Note: As per Monthly rate fixed by Sub-Committee	tonne	40,000	20.64
69	Structural steel plate / flats Note: As per Monthly rate fixed by Sub-Committee	tonne	43,000	20.64
70	Super Plasticizer (Conplast RP-264 or equivalent)	kg	54	14.5
71	Synthetic Enamel paint 1st quality	Ltr	184	32.82
72	Synthetic adhesive (Resin + Hardener)	Kg	189	32.82
73	Tar felt joint filler board 12 mm thick	sqm	340	32.82
74	Tar felt joint filler board 20 mm thick	sqm	540	32.82
75	Through stones 20 x 20 x 30 to 45 cm (including loading charges but excluding Seigniorage charges)	Each	19	4
76	Through stones 25 x 25 x 45 to 60 cm long (including loading charges but excluding Seigniorage charges)	Each	32	4

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for 2011-12	Total embedded Tax Rate (%)
77	Through stones 30 x 30 x 65 to 75 cm long (including loading charges but excluding Seigniorage charges)	Each	45	4
78	Un-coursed rubble stones (at dump yard /Spoil) (including loading charges but excluding Seigniorage charges)	cum	160	4
79	Un-coursed rubble stones (at quarry)(including loading charges but excluding Seigniorage charges)	cum	265	4
80	Water proofing compound	kg	58	32.81
81	Welding electrodes 4 mm dia	Each	9.00	15.98
82	Wire brush	Each	30	16.01
83	Wire mesh 20 gauge	sqm	175	16
84	Zinc chromate red oxide primer paint	Ltr	95	32.81
85	inorganic zinc silicate	Ltr	500	32.82
86	solvent less coal tar epoxy paint	Ltr	195	20.22
87	Zinc phosphate primer	Ltr	165	32.83
88	Allkyd based iron oxide paint	Ltr	145	32.82
89	Cost of hdpe (90mm dia)	Rm	560	20.64
90	welded steel wire fabric 100X100X5 mm size	Kg	115	20.64
ADDITIONAL MATERIALS FOR GATES & HOISTS				
1	Alloy steel (IS : 1570-carbon steel) shafts	Kg	155	20.64
2	Alloy steel (IS : 1570-stainless steel) pins	Kg	330	20.64
3	Bolt / Nut / Washer (hot dipped galvanized)	Kg	95	20.63
4	Bolt / Nut / Washer (stainless steel)	Kg	250	20.64
5	Bronze/Aluminum alloy(IS:305)bearings/bushes	Kg	700	20.64
6	Cast iron blocks	Kg	63	20.64
7	Cast steel drums / gears	Kg	170	20.64
8	Cast steel pinions	Kg	160	20.64
9	Cast steel wheels / pulleys / hubs / rollers /Retainers	Kg	140	20.64
10	Chemical for de-greasing/ de-rusting/phosphate Coating	Ltr	110	32.82
11	Coal tar epoxy paint	Ltr	160	20.22
12	Forged steel hooks / shackles	Kg	200	20.64
13	MS pipe 200 / 300 mm dia	Kg	140	20.64
14	MS pipe 32 mm dia	Rm	160	20.64
15	MS pipe 25 mm dia	Rm	130	20.64
16	Rubber bottom seal (IS : 11855) (100mmX14 mm)	Rm	600	32.82
17	Rubber side seal (music note type Teflon claded) (IS : 11855)	Rm	1,500	32.82
18	Rubber side seal (music note type uncladed) (IS : 11855)	Rm	1,200	32.82
19	Rubber side seal Z-type (IS : 11855)	Rm	1,950	32.82
20	Rubber corner seal (Teflon claded) (IS : 11855)	Each	3,000	32.82
21	Rubber corner seal (un claded) (IS : 11855)	Each	2,600	32.82
22	Stainless steel plates / flats	Kg	230	20.64
23	Welding electrode 4 mm dia x 450 mm (radiographic low hydrogen)	Each	12	20.6
24	Welding electrode 4 mm dia x 450 mm (stainless steel)	Each	19	20.63
25	Wire rope 6x37 constn (IS : 2266)	Kg	150	20.64
26	Zinc	Kg	135	20.63
27	Zinc rich (zinc content : 90 %) epoxy primer	Ltr	450	32.82

Revised Embedded Tax Rates for Capital cost of Machinery/Equipment (For the SoR 2011-12)				
SI No	DESCRIPTION OF MACHINERY / EQUIPMENT	UNIT	S. Rate for 2011-12	Total embedded Tax Rate (%)
1	2	3	4	5
1	Agitator car / Transit mixer 2 cum (excluding tyres)	Each	1,700,000	-
	tyres and tubes 6 sets	Each	72,000	-
2	Air compressor 5 cmm electric	Each	500,000	-
3	Air compressor 7 cmm diesel	Each	700,000	-
4	Air compressor 7 cmm electric	Each	680,000	-
5	Air compressor 8.5 cmm diesel	Each	825,000	-
6	Air compressor 8.5 cmm electric	Each	800,000	-
7	Air compressor 15 cmm electric	Each	1,000,000	-
8	Angle Dozer 90 hp	Each	4,000,000	-
9	Batching plant 0.5 cum with accessories(6 Cum/hr)	Each	950,000	-
10	Batching plant 2 x 1.00 cum with accessories(15 Cum/hr)	Each	2,625,000	-
11	Batching plant 2 x 1.50 cum with accessories(50 Cum/hr)	Each	3,500,000	-
12	Bending machine	Each	180,000	-
13	Clamp shell and hoisting ropes	Each	23,000	-
14	Concrete bucket 1.5 cum	Each	45,000	-
15	Concrete hand mixer 45/30 ltr	Each	11,000	-
16	Concrete mixer 300/200 ltr(diesel)	Each	125,000	-
17	Concrete mixer 300/200 ltr (electric)	Each	115,000	-
18	Concrete mixer 600/400 ltr(diesel)	Each	215,000	-
19	Concrete mixer 600/400 ltr (electric)	Each	180,000	-
20	Concrete paver 100 Sqm / hr	Each	1,900,000	-
21	Convey mucker (excluding tyres)	Each	3,100,000	-
	tyres and tubes 6 sets		72,000	-
22	Core drilling machine	Each	850,000	-
23	Diesel generating set 30 KVA	Each	365,000	-
24	Diesel generating set 50 KVA	Each	470,000	-
25	Diesel Loco 45 hp	Each	1,350,000	-
26	Dewatering pump 5 hp diesel	Each	33,000	-
27	Dewatering pump 5 hp electric	Each	18,000	-
28	Dewatering pump 10 hp diesel	Each	48,000	-
29	Dewatering pump 10 hp electric	Each	27,000	-
30	Dewatering pump 20 hp diesel	Each	150,000	-
31	Dewatering pump 20 hp electric	Each	50,000	-
32	Drifter	Each	700,000	-
33	Drilling jumbo (excluding tyres)	Each	1,000,000	-
	tyres and tubes 6 sets		72,000	-
34	Dumper 4.5 cum (excluding tyres)	Each	950,000	-
	tyres and tubes 6 sets		72,000	-
35	Geophysical Ele.resistivity meter	Each	300,000	-
36	Grouting pump	Each	80,000	-
37	Guniting / sand blasting equipment	Each	220,000	-
38	Ice plant with accessories 30 t / day	Each	1,850,000	-
39	Jack hammer	Each	44,000	-
40	Needle vibrator 40 mm petrol	Each	15,500	-
41	Needle vibrator 40 mm electric	Each	17,500	-
42	Needle vibrator 60 mm petrol	Each	16,200	-
43	Needle vibrator 60 mm electric	Each	20,000	-

SI No	DESCRIPTION OF MACHINERY / EQUIPMENT	UNIT	S. Rate for 2011-12	Total embedded Tax Rate (%)
44	Planing machine 4 m stroke	Each	600,000	-
45	Plate shearing machine up to 12 mm	Each	325,000	-
46	Pneumatic placer 0.5 cum	Each	460,000	-
47	Pneumatic tamper	Each	55,000	-
48	Pug cutting machine	Each	14,500	-
49	Pusher leg	Each	34,000	-
50	Road roller diesel 10 t	Each	650,000	-
51	Shovel 0.50 cum 75 hp	Each	2,600,000	-
52	Shovel 0.85 cum 110 hp	Each	4,400,000	-
53	Stationery derrick crane 5 t	Each	500,000	-
54	Tipper 5 cum (excluding tyres)	Each	1,250,000	-
	tyres and tubes 6 sets		72,000	-
55	Tipping tub 1.5 cum	Each	125,000	-
56	Tower crane 5 tonne	Each	6,000,000	-
57	Transformer 250 KVA	Each	330,000	-
58	Truck 10 t (excluding tyres)	Each	950,000	-
	tyres and tubes 6 sets		72,000	-
59	Truck mounted derrick crane 5 t (excluding tyres)	Each	1,575,000	-
	tyres and tubes 6 sets		72,000	-
60	Upright drilling machine	Each	45,000	-
61	Ventilation fan 20 hp	Each	140,000	-
62	Vibratory pad foot roller 8 t	Each	2,000,000	-
63	Wagon drill	Each	500,000	-
64	Water tanker 8000 ltr (excluding tyres)	Each	950,000	-
	tyres and tubes 6 sets		72,000	-
65	Welding set	Each	38,500	-
66	Winch 35 hp electric	Each	285,000	-
ACCESSORIES TO MACHINERY / EQUIPMENT				
1	Casing shoe bit	Each	8,000	-
2	Diamond core bit BX size	Each	10,000	-
3	Diamond core bit NX size	Each	15,000	-
4	Double tube core barrel	Each	11,000	-
5	Extension drill rod with coupling sleeve	Rm	1,700	-
6	Jack hammer drill rod 1.5 m	Each	3,300	-
7	Jack hammer drill rod 2.5 m	Each	5,500	-
8	Nozzle for Guniting / sand blasting gun	Each	575	-
9	Paving Cylinder	Each	23,000	-
10	Rails 30R (30 kg / m)	tonne	38,000	-
11	Reamer shell	Each	4,000	-
12	T.C. Cross bit 50 mm dia	Each	4,700	-
13	T.C. Cross bit 75 mm dia	Each	8,000	-
14	T.C. Cross bit 100 mm dia	Each	10,000	-
15	Tyres and Tubes for truck	Set	13,100	-
16	Wire rope 16 mm dia	Rm	165	-
17	Excavation of drain with Excavator	cum	23	-

SI No	DESCRIPTION OF MACHINERY / EQUIPMENT	UNIT	S. Rate for 2011-12	Total embedded Tax Rate (%)
OTHER COSTS ON MATERIAL / MACHINERY / EQUIPMENT				
1	Air hose 25 mm dia	Rm	130	20.64
2	Air hose 50 mm dia	Rm	235	20.64
3	Demand charges (HT-I : General-11 KV category)on power supply(as per APEPDCL tariff)	KVA /month	220	0.00
4	Diesel	Ltr	45	0.00
5	Electric power (HT-VIII Category) including tax (1.5 times of the Tariff of HT-I(A):General-11 KVA Category) (as per APEPDCL tariff)	Kwhr	4.50	0.00
6	Excise duty on Gates / Hoist supplies	%	0%	
7	Insurance charges on machinery	% /	1%	
8	Interest on capital cost	% /	12%	
9	Lubricants	Ltr	225	20.64
10	Petrol	Ltr	68	0.00
11	Rivets	Kg	85	20.64
12	Road tax on transport vehicles	Rs./annu	As per RTA	
13	Shalimatic sealing compound	Kg	70	14.49
14	Shutter oil	Ltr	60	16.01
15	Structural steel fabrication	Kg	18	0.00
16	Sundries (Lump sum for un quantified inputs)	LS	33	0.00
17	Water hose (pressure) 20 mm dia	Rm	168	20.64
18	Steel wedges	LS	12	20.60
19	Elbows / Nipple / Plugs etc.,	LS	13	20.59
20	Soldering materials	LS	12	20.60
21	Steam circulation arrangement	LS	12	20.60
22	Fuel charges (gas for heating)	LS	12	3.99
23	Vulcanizing materials	LS	12	0.00
24	Other accessories / controls / junctions	LS	12	0.00
25	Miscellaneous fittings / switches etc	LS	12	0.00
26	Anchors / supports for cables / lights	LS	12	0.00
27	Civil works for foundations / pedestals / duct etc	LS	12	0.00
28	Gas cutting set (2 No's 15 m hose and nozzle unit)	Each	11,000	20.64
29	Grease	Kg	175	20.64
30	Welding holder set (cable / holder / gloves / mask etc)	Each	5,000	20.64
31	Use rate of ropes	LS	120	0.00
MATERIALS FOR GATES AND HOISTS				
1	Worm reducers	Each	170,000	32.82
2	Electric motor 20 hp(Double Shaft)	Each	92,000	32.82
3	Electric motor 17.5 hp(Double Shaft)	Each	65,000	32.82
4	Electric motor 12.5 hp(Double Shaft)	Each	55,000	32.82
5	Electric motor 5 hp(Double Shaft)	Each	27,500	32.82
6	Electric motor 3 hp (Double Shaft)	Each	19,500	32.82
7	Electric motor 2 hp (Double Shaft)	Each	10,000	32.82
8	Floating shaft 300 mm dia	Kg	140	32.81
9	Manual operating system	Each	23,000	14.50
10	Gate position indicator	Each	125,000	32.82
11	Ele-magnetic brake	Each	27,000	32.82
12	Electric cable / switch / control panel etc	LS	32,000	20.64
13	Wire rope sockets	Each	3,000	20.64

Revised embedded tax rates for the Materials other than covered under Irrigation Work items for the SoR 2011 - 12

Sl. No.	Description	Unit	S. Rate for the year 2011-12	Total embedded Tax Rate (%)
1	2	3	4	5
M-002	Quarried stone 150 - 200 mm size for Hand Broken	Cum	145	4
M-003	Boulder with minimum size of 300 mm for Pitching (Excluding Seigniorage)	Cum	160	4
M-004	Coarse sand for filling (Excluding Seigniorage)	Cum	250	4
M-005	Coarse sand for mortar(Excluding Seigniorage)	Cum	325	4
M-006	Fine Sand (Excluding Seigniorage charges)	Cum	425	4
M-007	Murrum (Excluding Seigniorage charges)	Cum	80	0
M-008	Gravel/Quarry spall(Excluding Seigniorage Charges)	Cum	80	0
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	80	0
M-011	Fly ash conforming to IS: 3812 (Part II & I)	Cum	46	4
M-012	Filter media/Filter Material as per Table 300-3 (MoRT&H Specification) (excluding Seigniorage Charges)	Cum	305	4
M-013	Close graded Granular sub-base Material 53 mm to 9.5 mm (excluding Seigniorage Charges)	Cum	605	-
M-014	Close graded Granular sub-base Material 37.5 mm to 9.5 mm (excluding Seigniorage Charges)	Cum	625	-
M-015	Close graded Granular sub-base Material 26.5 mm to 9.5 mm (excluding Seigniorage Charges)	Cum	645	-
M-016	Close graded Granular sub-base Material 9.5 mm to 4.75 mm (excluding Seigniorage Charges)	Cum	545	-
M-017	Close graded Granular sub-base Material 9.5 mm to 2.36 mm (excluding Seigniorage Charges)	Cum	535	-
M-018	Close graded Granular sub-base Material 4.75 mm to 2.36 mm (excluding Seigniorage Charges)		475	4
M-019	Close graded Granular sub-base Material 4.75mm to 75 micron mm(excluding Seigniorage Charges)	cum	455	4
M-020	Close graded Granular sub-base Material 2.36 mm (excluding Seigniorage Charges)	Cum	455	4
M-021	Stone crusher dust finer than 3mm with not more than10% passing 0.075 sieve. (excluding Seigniorage Charges)	Cum	255	4
M-022	Coarse graded Granular sub-base Material 2.36 mm & below (excluding Seigniorage Charges)	Cum	415	4
M-023	Coarse graded Granular sub-base Material 4.75mm to 75 micron mm (excluding Seigniorage Charges)	cum	445	4
M-024	Coarse graded Granular sub-base Material 4.75 mm to 2.36 mm (excluding Seigniorage Charges)	Cum	445	4
M-025	Coarse graded Granular sub-base Material 9.5 mm to 4.75 mm (excluding Seigniorage Charges)	Cum	520	-
M-026	Coarse graded Granular sub-base Material 26.5 mm to 4.75 mm (excluding Seigniorage Charges)	Cum	565	-
M-027	Coarse graded Granular sub-base Material 26.5 mm to 9.5 mm (excluding Seigniorage Charges)	Cum	615	-

Revised embedded tax rates for the Materials other than covered under Irrigation Work items for the SoR 2011 - 12

Sl. No.	Description	Unit	S. Rate for the year 2011-12	Total embedded Tax Rate (%)
M-028	Coarse graded Granular sub-base Material 37.5 mm to 9.5 mm (excluding Seigniorage Charges)	Cum	625	-
M-029	Coarse graded Granular sub-base Material 53 mm to 26 .5mm (excluding Seigniorage Charges)	Cum	765	-
M-030	Aggregates below 5.6 mm (excluding Seiniorage Charges)	Cum	505	4
M-031	Aggregates 22.4 mm to 2.36 mm (excluding Seiniorage Charges)	Cum	805	-
M-032	Aggregates 22.4 mm to 5.6 mm (excluding Seiniorage Charges)	Cum	905	-
M-033	Aggregates 45 mm to 2.8 mm (excluding Seiniorage Charges)	Cum	630	-
M-034	Aggregates 45 mm to 22.4 mm (excluding Seiniorage Charges)	Cum	975	-
M-035	Aggregates 53 mm to 2.8 mm (excluding Seiniorage Charges)	Cum	805	-
M-036	Aggregates 53 mm to 22.4 mm (excluding Seiniorage Charges)	Cum	765	-
M-037	Aggregates 63 mm to 2.8 mm (excluding Seiniorage Charges)	Cum	625	-
M-038	Aggregates 63 mm to 45 mm (excluding Seiniorage Charges)	Cum	595	-
M-039	Aggregates 90 mm to 45 mm (excluding Seiniorage Charges)	Cum	560	-
M-040	Aggregates 10 mm to 5 mm (excluding Seiniorage Charges)	Cum	750	-
M-041	Aggregates 11.2 mm to 0.09 mm (excluding Seiniorage Charges)	Cum	630	-
M-042	Aggregates 13.2 mm to 0.09 mm(excluding Seiniorage Charges)	Cum	705	-
M-043	Aggregates 13.2 mm to 5.6 mm (excluding Seiniorage Charges)	Cum	805	-
M-044	Aggregates 13.2 mm to 10 mm(excluding Seiniorage Charges)	Cum	895	-
M-045	Aggregates 20 mm to 10 mm (excluding Seiniorage Charges)	Cum	1,025	-
M-046	Aggregates 25 mm to 10 mm (excluding Seiniorage Charges)	Cum	985	-
M-047	Aggregates 19 mm to 6 mm (excluding Seiniorage Charges)	Cum	905	-
M-048	Aggregates 37.5 mm to 19 mm(excluding Seiniorage Charges)	Cum	960	-
M-049	Aggregates 37.5 mm to 25 mm(excluding Seiniorage Charges)	Cum	945	-
M-050	Aggregates 6 mm nominal size(excluding Seiniorage Charges)	Cum	655	-
M-051	Aggregates 10 mm nominal size(excluding Seiniorage Charges)	Cum	820	-

Revised embedded tax rates for the Materials other than covered under Irrigation Work items for the SoR 2011 - 12

Sl. No.	Description	Unit	S. Rate for the year 2011-12	Total embedded Tax Rate (%)
M-052	Aggregates 13.2/12.5 mm nominal size(excluding Seiniorage Charges)	Cum	980	-
M-053	Aggregates 20 mm nominal size(excluding Seiniorage Charges)	Cum	1,175	-
M-054	Aggregates 25 mm nominal size(excluding Seiniorage Charges)	Cum	1,155	-
M-055	Aggregates 40 mm nominal size(excluding Seiniorage Charges)	Cum	745	-
M-056	AC pipe 100 mm dia	Metre	Rate as per PH items	
M-057	Acrylic polymer bonding coat	Litre	395	20.64
M-058	Aluminum Paint	Litre	285	32.82
M-059	Aluminum alloy plate 2mm Thick	Sqm	315	20.64
M-060	Aluminum alloy/Galvanized steel	Tonne	60,000	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	800	20.64
M-062	Aluminum studs 100 x 100 mm fitted with lens	No's	As per local market rate	
M-063	Barbed wire	Kg	66	20.64
M-064	Bearing (Cost of parts)	No's	490	20.64
M-065	Bearing (Cast steel rocker bearing assembly of 250 tonne)	No's	680	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	As per market Competitive rates	
M-067	Bearing (Forged steel roller bearing of 250 tonne)	No's		
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	6	14.5
M-072	Binding wire	Kg	55	20.64
M-073	Bitumen (Cationic Emulsion)	Tonne	As per rates fixed by R&B Dept based on refiary rates	
M-074	Bitumen (60-70 grade)(Excluding taxes)	Tonne		
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	-

Revised embedded tax rates for the Materials other than covered under Irrigation Work items for the SoR 2011 - 12

Sl. No.	Description	Unit	S. Rate for the year 2011-12	Total embedded Tax Rate (%)
M-080	C.I. shoes for the pile	Kg	46	20.64
M-081	Cement	Tonne	5,500	28.81
M-082	Cold twisted bars (HYSD/TMT Bars)	Tonne	41,000	20.64
M-083	Collar for joints 300 mm dia	No's	140	32.81
M-084	Compressible Fibre Board(20mm thick)	Sqm	450	14.5
M-085	Connectors/ Staples	Each	68	32.81
M-086	Copper Plate(12m long x 250mmwide)	Kg	450	32.82
M-087	Corrosion resistant Structural steel	Tonne	50,000	20.64
M-088	Corrugated sheet, 3 mm thick, "Tie" beam section railing	Kg	170	20.64
M-089	Credit for excavated rock found suitable for use	Cum	120	4
M-090	Curing compound	Liter	105	32.83
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	27	0
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	1,100	32.82
M-095	Epoxy compound with accessories for preparing epoxy mortar	Kg	300	32.82
M-096	Epoxy mortar	Kg	95	32.81
M-097	Epoxy primer	Kg	505	32.82
M-098	Epoxy resin-hardener mix for prime coat	Kg	525	32.82
M-099	Flag of red color cloth 600 x 600 mm	Each	22	4.02
M-100	Flowering Plants	Each	30	3.99
M-101	Galvanized MS flat clamp	No's	170	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	150	20.64
M-103	Galvanized structural steel plate 200 mm wide, 6 mm thick, 24 m long	Kg	800	20.64
M-104	Gelatin 80%	Kg	550	32.82
M-105	Geo grids	Sqm	As per local competitive quotations	
M-106	(a)Geo membrane 500 micron thick	Sqm	68	32.81
	(b) Geo membrane 750 micron thick	Sqm	100	32.82
	(c) Geo membrane 1000 micron thick	Sqm	140	32.81

Revised embedded tax rates for the Materials other than covered under Irrigation Work items for the SoR 2011 - 12

Sl. No.	Description	Unit	S. Rate for the year 2011-12	Total embedded Tax Rate (%)
M-107	Geo nets	Sqm	As per local competitive quotations	
M-108	(a)Geo textile 160 gsm	Sqm	85	25.94
	(b) Geo textile 200 gsm	Sqm	100	25.94
	(c) Geo textile 250 gsm	Sqm	120	25.96
M-109	Geo textile filter fabric	Sqm	As per local competitive quotations	
M-110	GI bolt 10 mm Dia	No's	19	32.87
M-111	Grouting pump with agitator	Hour	Rate covered in hire charges of machinery of irrigation items	
M-112	Grass (Doob)	Kg	4	14.61
M-113	Grass (Fine)	Kg	5	0
M-114	HDPE pipes 75mm dia	Metre	Rate as per PH items	
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 opening for seeding and Mulching	Sqm	75	25.94
M-122	LDO for steam curing	Litre	55	32.82
M-123	M.S. Clamps	Kg	Deleted	
M-124	M.S. Clamps	Kg	Rate as per local competitive quotations	
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	39,000	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	

Revised embedded tax rates for the Materials other than covered under Irrigation Work items for the SoR 2011 - 12

Sl. No.	Description	Unit	S. Rate for the year 2011-12	Total embedded Tax Rate (%)
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	15	20.68
M-130	Nuts and bolts	Kg	75	20.64
M-131	Paint	Litre	As per Building SSR	
M-132	Pavement Marking Paint	Litre		
M-133	Paving Fabric	Sqm	Rate as per local competitive quotations	
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 items	
M-138	Plastic sheath, 1.25 mm thick for dowel bars	Sqm		
M-139	Plastic tubes 50 cm dia , 1.2 m high	No's	Rate as per local competitive quotations	
M-140	Polymer braids	Metre		
M-141	Pre moulded Joint filler, 25 mm thick for expansion joint	Sqm		
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	

Revised embedded tax rates for the Materials other than covered under Irrigation Work items for the SoR 2011 - 12

Sl. No.	Description	Unit	S. Rate for the year 2011-12	Total embedded Tax Rate (%)
M-147	Quick setting compound	Kg	As per local market rate	
M-148	Random Rubble Stone(Including Loading Charges but excluding Seignorage Charges)	Cum	225	4
M-149	RCC Pipe NP 4 heavy duty non pressure pipe 1000mm dia	Metre	Rate as per PH items	
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	4	20.48
M-159	Sand bags (Cost of sand and Empty cement bag)	Per bag	17	4
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	60	20.65
M-162	Seeds(Grass)	Kg	14	0
M-163	Cost of Selected earth (Excluding Seignorage Charges)	Cum	72	0
M-164	Separation Membrane of impermeable plastic sheeting 125 micron thick	Sqm	Rate as per local competitive quotations	
M-165	Sheathing duct	Metre		

Revised embedded tax rates for the Materials other than covered under Irrigation Work items for the SoR 2011 - 12

Sl. No.	Description	Unit	S. Rate for the year 2011-12	Total embedded Tax Rate (%)
M-166	Shrubs	Each	12	0
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 Seigniorage charges)	Cum	1,800	4
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	
M-171	Steel circular hollow pole of standard specification for street lighting to mount light at 9 m height above road level	Each	Electricity/Municipal Departments	
M-172	Steel drum 300 mm dia 1.2 m high/empty bitumen drum	No's	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	230	20.64
M-175	Steel pipe 50 mm external dia as per IS:1239	Metre	450	20.64
M-176	Steel wire rope 20 mm	Kg	150	20.64
M-177	Steel wire rope 40 mm	Kg	170	20.64
M-178	Strip seal expansion joint	Metre	Rate as per local competitive quotations	
M-179	Structural Steel(HYSD/TMT bars)	Tonne	41,000	20.64
M-180	Super plasticizer admixture IS marked as per 9103-1999	Kg	54	20.64
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	19	Rate as per item nos 75 to 77 of Irrigation Materials
	(a) 20X20x30 to 45 cm long	Each		
	Through and bond stone		32	
	(b) 25X25x45 to 60 cm long			
	Through and bond stone	Each	45	
M-183	Tie rods 20mm diameter	No's	40	

Revised embedded tax rates for the Materials other than covered under Irrigation Work items for the SoR 2011 - 12

Sl. No.	Description	Unit	S. Rate for the year 2011-12	Total embedded Tax Rate (%)
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	2,050	4
M-189(a)	Water charges(Urban)	KiloLitre	77	4
(b)	Water charges(Rural)	KiloLitre		
M-190	Water based cement paint	Litre	As per Building SSR	
M-191	Welded steel wire fabric	Kg	120	20.64
M-192	Wire mesh 50mm x 50mm size of 3mm wire	Kg	200	20.64
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	1,000	20.64
M-196	Wooden staff for fastening of flag 25 mm dia, one m long	Each	62	
Item 8.3	Printing new letter and figures of any shade (ii) English Roman	per cm height per letter	1.20	
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	3	
2	Laying Sand Bags in the stipulated places including cost of empty cement bag, sand, thread, stitching charges and labour charges with 14 % overhead charges and contractors profits.	per bag	19	
3	Rough stone for revetment 225mm thick (including Loading charges but excluding Seigniorage charges)	Cum	140	4
4	Eradication of Weed growth from Drains, Canals by spraying Chemicals	Sqm	1.30	
5	Thinner	Ltr	115	32.81

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