

REVISED EMBEDDED TAX RATES
AS PER BOCEs 23.03.2019
(SoR 2012-13)

Statement showing the Schedule of Rates with Revised embedded tax rates for the Irrigation work items of SoR 2012-13				
SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for the year 2012-13	Total embedded Tax Rate (%)
1	2	3	4	5
1	Acetylene gas	cum	306	17.6
2	Asphalt 80/100 Grade	Kg	37	19.7
3	Binding wire	Kg	65	17.6
4	Burnt stone slab 10 cm thick	sqm	253	17.6
5	Cement 43 Gr/53 Gr Note: Rate as fixed by the Government	tonne	5100	28.24
6	Chequered plate	Kg	55	17.6
7	Coarse aggregate 10-4.75 mm(excluding Seignioragecharges)	cum	788	-
8	Coarse aggregate 20-10 mm(excluding Seigniorage charges)	cum	1076	-
9	Coarse aggregate 40-20 mm(excluding Seigniorage charges)	cum	1024	-
10	Coarse aggregate 80-40 mm(excluding Seigniorage charges)	cum	588	-
	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	39	17.61
12	Copper sheet 16 SWG	kg	607	17.6
13	Coursed rubble stone 30 x 30 x 45 cm(excluding Seigniorage charges)	Each	18	5
14	Coursed rubble stone 30 x 30 x 60 cm(excluding Seigniorage charges)	Each	22	5
15	Curing Compound	Ltr	123	28.25
16	D – cord	Rm	15	28.21
17	Delay - noiseless trunk	Each	19	14.53
18	Detonating fuse coil	Rm	10	28.37
19	Detonating shock tube / Cord relays	Rm	60	28.23
20	Detonator delay type	Each	21	28.21
21	Detonator electric	Each	12	28.21
22	Detonator ordinary	Each	8	28.21
23	Empty cement bag	Each	4	4.99
24	Explosive ANFO	kg	37	28.25
25	Explosive ANFO high strength booster	kg	71	28.23

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for the year 2012-13	Total embedded Tax Rate (%)
26	Explosive small dia (Kelvex-220 or equivalent)	kg	63	28.23
27	(a)Fine aggregate/ sand(un- screened) for Concrete & Filtering items) (excluding Seigniorage charges)	cum	375	5
	b)Sand for filling (excluding Seigniorage charges)	cum	288	5
28	Fine aggregate /Sand (Screened) for Mortar, Plastering items and Sand blasting items (excluding Seigniorage charges)	cum	490	5
29	Geo-textile (filter fabric) 160 gsm	sqm	98	28.24
30	Geo-textile (filter fabric) 200 gsm	sqm	115	28.23
31	Geo-textile (filter fabric) 250 gsm	sqm	138	28.24
32	G I Pipe 100 mm dia B Class	Rm	650	17.6
33	G I Pipe 15 mm dia A class	Rm	95	17.59
34	G I pipe 25 mm dia A class	Rm	145	17.6
35	G I pipe 40 mm dia B class	Rm	265	17.6
36	G I pipe 50 mm dia A class	Rm	290	17.6
37	G I Pipe 80 mm dia B Class	Rm	450	17.6
38	G.I Bolts / Nuts and Washers	kg	97	17.6
39	G.I sheet (plain)	tonne	57375	17.6
40	Hariyala turfing sods	sqm	25	14.52
41	Hectometer stone one line dressed	Each	208	5
42	Hemp yarn	kg	65	17.6
43	Honne wood planks	cum	49333	28.24
44	Hume pipe with collar 150 mm dia	Rm	288	17.6
45	Hume pipe with collar 300 mm dia	Rm	568	17.6
46	J- Bolts 30 cm long	Each	30	17.6
47	Jungle wood planks	cum	19833	14.5
48	Khandki stone 15 to 20 cm height	Each	10	5.04
49	Khandki stone 20 to 25 cm height	Each	12	4.99
50	Khandki stone 25 to 30 cm height	Each	14	5.03
51	Kilometer stone one line dressed	Each	385	5
52	LDPE sheet (Geo membrane) 500 micron thick	sqm	78	17.59
53	LDPE sheet (Geo membrane) 750 micron thick	sqm	113	17.6
54	LDPE sheet (Geo membrane) 1000 micron thick	sqm	160	17.6
55	M S Bolts / Nuts / Washers	kg	76	17.59
56	Murrum (including loading charges but excluding Seigniorage charges)	cum	110	0
57	Oxalic acid	Ltr	66	17.58

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for the year 2012-13	Total embedded Tax Rate (%)
58	Oxygen gas	cum	45	17.59
59	PVC sealing strip	Rm	39	17.61
60	PVC water stopper 310 mm wide	Rm	435	17.6
61	PVC pipe of 100 mm dia	Rm	157	17.6
62	Reinforcement steel (HYSD/TMT) Note: As per Monthly rate fixed by Sub-Committee	tonne	48,000(rate for 6/2012)	17.6
63	Resin bond Cement capsule	Each	61	17.58
64	Rough stone 20 x 20 x 75 cm (Including Loading charges but excluding Seigniorage Charges)	Each	21	5
65	Shahabad stone slab (including loading charges but excluding Seigniorage charges)	sqm	200	5
66	Stone chips (at dump yard/Spoil) (including loading charges but excluding Seigniorage charges)	cum	195	5
67	Stone chips (at quarry) (including loading charges but excluding Seigniorage charges)	cum	337	5
68	Structural steel angle / channel / beam / bars Note: As per Monthly rate fixed by Sub-Committee	tonne	48500(rate for 6/2012)	17.6
69	Structural steel plate / flats Note: (including loading charges) As per Monthly rate fixed by Sub-Committee	tonne	46000(rate for 6/2012)	17.6
70	Super Plasticizer (Conplast RP-264 or equivalent)	kg	69	14.5
71	Synthetic Enamel paint 1st quality	Ltr	216	28.24
72	Synthetic adhesive (Resin + Hardener)	Kg	307	28.24
73	Tar felt joint filler board 12 mm thick	sqm	370	30.53
74	Tar felt joint filler board 20 mm thick	sqm	570	30.53
75	Through stones 20 x 20 x 30 to 45 cm (including loading charges but excluding Seigniorage charges)	Each	21	5
76	Through stones 25 x 25 x 45 to 60 cm long (including loading charges but excluding Seigniorage charges)	Each	35	5
77	Through stones 30 x 30 x 65 to 75 cm long (including loading charges but excluding Seigniorage charges)	Each	55	5
78	Un-coursed rubble stones (at dump yard /Spoil) (including loading charges but excluding Seigniorage charges)	cum	178	5
79	Un-coursed rubble stones (at quarry)(including loading charges but excluding Seigniorage charges)	cum	293	5
80	Water proofing compound	kg	66	28.25
81	Welding electrodes 4 mm dia	Each	12	17.53
82	Wire brush	Each	38	17.61
83	Wire mesh 20 gauge	sqm	193	17.6
84	Zinc chromate red oxide primer paint	Ltr	156	28.25
85	inorganic zinc silicate	Ltr	595	28.24
86	solvent less coal tar epoxy paint	Ltr	233	21.37

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for the year 2012-13	Total embedded Tax Rate (%)
87	Zinc phosphate primer	Ltr	189	28.24
88	Allkyd based iron oxide paint	Ltr	169	28.23
89	a) Cost of hdpe (80mm dia)	Rm	560	17.6
	b) light black MS casing pipe 80 mm dia (4mm thick)	Rm	605	17.6
90	welded steel wire fabric 100X100X5 mm size	Kg	133	17.6
ADDITIONAL MATERIALS FOR GATES & HOISTS				
1	Alloy steel (IS : 1570-carbon steel) shafts	Kg	177	17.6
2	Alloy steel (IS : 1570-stainless steel) pins	Kg	375	17.6
3	Bolt / Nut / Washer (hot dipped galvanized)	Kg	114	17.6
4	Bolt / Nut / Washer (stainless steel)	Kg	296	17.6
5	Bronze/Aluminum alloy (IS:305) bearings/ bushes	Kg	788	17.6
6	Cast iron blocks	Kg	74	17.59
7	Cast steel drums / gears	Kg	187	17.6
8	Cast steel pinions	Kg	181	17.6
9	Cast steel wheels / pulleys / hubs / rollers /Retainers	Kg	163	17.6
10	Chemical for de-greasing/ de-rusting/phosphate Coating	Ltr	124	14.5
11	Coal tar epoxy paint	Ltr	187	21.37
12	Forged steel hooks / shackles	Kg	237	17.6
13	MS pipe 200 / 300 mm dia	Kg	159	17.59
14	MS pipe 32 mm dia	Rm	170	17.61
15	MS pipe 25 mm dia	Rm	136	17.61
16	Rubber bottom seal (IS : 11855)	Rm	766	28.24
17	Rubber side seal (music note type Teflon claded) (IS : 11855)	Rm	1864	28.24
18	Rubber side seal (music note type uncladed) (IS : 11855)	Rm	1467	28.24
19	Rubber side seal Z-type (IS : 11855)	Rm	2427	28.24
20	Rubber corner seal (Teflon claded) (IS :11855)	Rm	3721	28.24
21	Rubber corner seal (un claded) (IS : 11855)	Rm	3089	28.24
22	Stainless steel plates / flats	Kg	241	17.6
23	Welding electrode 4 mm dia x 450 mm (radiographic low hydrogen)	Each	16	17.56
24	Welding electrode 4 mm dia x 450 mm (stainless steel)	Each	24	17.59
25	Wire rope 6x37 constn (IS : 2266)	Kg	227	17.6
26	Zinc	Kg	149	17.6
27	Zinc rich (zinc content : 90 %) epoxy primer	Ltr	592	28.24

Revised Embedded Tax Rates for Capital cost of Machinery/Equipment (For the SoR 2012-13)				
SI No	DESCRIPTION OF MACHINERY / EQUIPMENT	UNIT	S. Rate for 2012-13	Total Embeded Tax Rate (%)
1	2	3	4	5
1	Agitator car / Transit mixer 2 cum (excluding tyres)	Each	21,60,000	-
	tyres and tubes 6 sets	Each	86,000	-
2	Air compressor 5 cmm electric	Each	7,15,000	-
3	Air compressor 7 cmm diesel	Each	9,61,000	-
4	Air compressor 7 cmm electric	Each	863,000	-
5	Air compressor 8.5 cmm diesel	Each	10,86,000	-
6	Air compressor 8.5 cmm electric	Each	11,30,000	-
7	Air compressor 15 cmm electric	Each	13,72,000	-
8	Angle Dozer 90 hp	Each	54,91,000	-
9	Batching plant 0.5 cum with accessories	Each	12,07,000	-
10	Batching plant 2 x 1.00 cum with accessories	Each	42,52,000	-
11	Batching plant 2 x 1.50 cum with accessories	Each	54,43,000	-
12	Bending machine	Each	5,55,000	-
13	Clamp shell and hoisting ropes	Each	30,000	-
14	Concrete bucket 1.5 cum	Each	58,000	-
15	Concrete hand mixer 45/30 ltr	Each	16,000	-
16	Concrete mixer 300/200 ltr (diesel)	Each	1,45,000	-
17	Concrete mixer 300/200 ltr (electric)	Each	1,40,000	-
18	Concrete mixer 600/400 ltr (diesel)	Each	2,65,000	-
19	Concrete mixer 600/400 ltr (electric)	Each	2,58,000	-
20	Concrete paver 100 Sqm / hr	Each	23,71,000	-
21	Convey mucker (excluding tyres)	Each	38,68,000	-
	tyres and tubes 6 sets		86,000	-
22	Core drilling machine	Each	11,14,000	-
23	Diesel generating set 30 KVA	Each	5,01,000	-
24	Diesel generating set 50 KVA	Each	6,45,000	-
25	Diesel Loco 45 hp	Each	21,26,000	-
26	Dewatering pump 5 hp diesel	Each	43,000	-
27	Dewatering pump 5 hp electric	Each	26,000	-
28	Dewatering pump 10 hp diesel	Each	62,000	-
29	Dewatering pump 10 hp electric	Each	59,000	-

SI No	DESCRIPTION OF MACHINERY / EQUIPMENT	UNIT	S. Rate for 2012-13	Total Embedded Tax Rate (%)
30	Dewatering pump 20 hp diesel	Each	1,96,000	-
31	Dewatering pump 20 hp electric	Each	1,02,000	-
32	Drifter	Each	10,62,000	-
33	Drilling jumbo (excluding tyres)	Each	13,11,000	-
	tyres and tubes 6 sets		86,000	-
34	Dumper 4.5 cum (excluding tyres)	Each	14,77,000	-
	tyres and tubes 6 sets		86,000	-
35	Geophysical Ele.resistivity meter	Each	4,89,000	-
36	Grouting pump	Each	1,04,000	-
37	Guniting / sand blasting equipment	Each	2,88,000	-
38	Ice plant with accessories 30 t / day	Each	22,87,000	-
39	Jack hammer	Each	68,000	-
40	Needle vibrator 40 mm petrol	Each	20,000	-
41	Needle vibrator 40 mm electric	Each	22,000	-
42	Needle vibrator 60 mm petrol	Each	21,000	-
43	Needle vibrator 60 mm electric	Each	26,000	-
44	Planing machine 4 m stroke	Each	7,86,000	-
45	Plate shearing machine up to 12 mm	Each	4,26,000	-
46	Pneumatic placer 0.5 cum	Each	5,84,000	-
47	Pneumatic tamper	Each	85,000	-
48	Pug cutting machine	Each	16,000	-
49	Pusher leg	Each	53,000	-
50	Road roller diesel 10 t	Each	8,52,000	-
51	Shovel 0.50 cum 75 hp	Each	37,75,000	-
52	Shovel 0.85 cum 110 hp	Each	63,88,000	-
53	Stationery derrick crane 5 t	Each	6,55,000	-
54	Tipper 5 cum (excluding tyres)	Each	16,31,000	-
	tyres and tubes 6 sets		86,000	-
55	Tipping tub 1.5 cum	Each	2,42,000	-
56	Tower crane 5 tonne	Each	74,88,000	-
57	Transformer 250 KVA	Each	4,53,000	-
58	Truck 10 t (excluding tyres)	Each	14,96,000	-
	tyres and tubes 6 sets		86,000	-

SI No	DESCRIPTION OF MACHINERY / EQUIPMENT	UNIT	S. Rate for 2012-13	Total Embedded Tax Rate (%)
59	Truck mounted derrick crane 5 t (excluding tyres)	Each	19,65,000	-
	tyres and tubes 6 sets		86,000	-
60	Upright drilling machine	Each	58,000	-
61	Ventilation fan 20 hp	Each	2,66,000	-
62	Vibratory pad foot roller 8 t	Each	29,86,000	-
63	Wagon drill	Each	6,55,000	-
64	Water tanker 8000 ltr (excluding tyres)	Each	14,25,000	-
	tyres and tubes 6 sets		86,000	-
65	Welding set	Each	49,000	-
66	Winch 35 hp electric	Each	3,73,000	-
ACCESSORIES TO MACHINERY / EQUIPMENT				
1	Casing shoe bit	Each	10,000	-
2	Diamond core bit BX size	Each	10,000	-
3	Diamond core bit NX size	Each	12,000	-
4	Double tube core barrel	Each	13,000	-
5	Extension drill rod with coupling sleeve	Rm	2,000	-
6	Jack hammer drill rod 1.5 m	Each	4,000	-
7	Jack hammer drill rod 2.5 m	Each	6,000	-
8	Nozzle for Guniting / sand blasting gun	Each	700	-
9	Paving Cylinder	Each	28,000	-
10	Rails 30R (30 kg / m)	tonne	49,000	-
11	Reamer shell	Each	5,000	-
12	T.C. Cross bit 50 mm dia	Each	5,000	-
13	T.C. Cross bit 75 mm dia	Each	10,000	-
14	T.C. Cross bit 100 mm dia	Each	12,000	-
15	Tyres and Tubes for truck	Set	17,000	-
16	Wire rope 16 mm dia	Rm	265	-
17	Excavation of drain with Excavator	cum	30	-

SI No	DESCRIPTION OF MACHINERY / EQUIPMENT	UNIT	S. Rate for 2012-13	Total Embded Tax Rate (%)
<u>OTHER COSTS ON MATERIAL / MACHINERY / EQUIPMENT</u>				
1	Air hose 25 mm dia	Rm	145	17.60
2	Air hose 50 mm dia	Rm	259	17.60
3	Demand charges (HT-2B) on power supply	KVA /month	241	0.00
4	Diesel	Ltr	46	0.00
5	Electric power (HT-2B category) including tax	Kwhr	7.5	0.00
6	Excise duty on Gates / Hoist supplies	%	0%	
7	Insurance charges on machinery	% / annum	1%	
8	Interest on capital cost	% / annum	12.00%	
9	Lubricants	Ltr	239	17.60
10	Petrol	Ltr	75	0.00
11	Rivets	Kg	86	17.60
12	Road tax on transport vehicles	Rs./annum	As per RTA	
13	Shalimatic sealing compound	Kg	79	14.49
14	Shutter oil	Ltr	68	14.00
15	Structural steel fabrication	Kg	21	0.00
16	Sundries (Lump sum for un quantified inputs)	LS	36	0.00
17	Water hose (pressure) 20 mm dia	Rm	190.0	17.60
18	Steel wedges	LS	14	17.65
19	Elbows / Nipple / Plugs etc.,	LS	15	17.55
20	Soldering materials	LS	15	17.55
21	Steam circulation arrangement	LS	15	17.55
22	Fuel charges (gas for heating)	LS	15	4.97
23	Vulcanizing materials	LS	15	0.00
24	Other accessories / controls / junctions	LS	deleted	
25	Miscellaneous fittings / switches etc	LS	deleted	
26	Anchors / supports for cables / lights	LS	deleted	
27	Civil works for foundations / pedestals / duct etc	LS	deleted	
28	Gas cutting set (2 No's 15 m hose and nozzle unit)	Each	12,350	17.60
29	Grease	Kg	221	17.60
30	Welding holder set (cable / holder / gloves / mask etc)	Each	6,375	17.60
31	Use rate of ropes	LS	130	0.00

SI No	DESCRIPTION OF MACHINERY / EQUIPMENT	UNIT	S. Rate for 2012-13	Total Embedded Tax Rate (%)
<u>MATERIALS FOR GATES AND HOISTS</u>				
1	Worm reducers	Each	2,04,000	28.24
2	Electric motor 20 hp(Double Shaft)	Each	1,10,000	28.24
3	Electric motor 17.5 hp(Double Shaft)	Each	78,000	28.24
4	Electric motor 12.5 hp(Double Shaft)	Each	66,000	28.24
5	Electric motor 5 hp(Double Shaft)	Each	30,000	28.24
6	Electric motor 3 hp (Double Shaft)	Each	21,000	28.24
7	Electric motor 2 hp (Double Shaft)	Each	11,000	28.24
8	Floating shaft 300 mm dia	Kg	164	28.25
9	Manual operating system	Each	26,200	14.50
10	Gate position indicator	Each	1,78,000	28.24
11	Ele-magnetic brake	Each	32,000	28.24
12	Electric cable / switch / control panel etc	LS	45,800	17.60
13	Wire rope sockets	Each	4,200	17.60

**Revised embedded tax rates for the Materials other than covered under
Irrigation Work items for the SoR 2012 - 13**

Sl. No.	Description	Unit	S. Rate for the year 2012-13	Total Embedded Tax Rate (%)
1	2	3	4	5
M-002	Quarried stone 150 - 200 mm size for Hand Broken	Cum	171	5
M-003	Boulder with minimum size of 300 mm for Pitching (Excluding Seigniorage)	Cum	186	5
M-004	Coarse sand for filling (Excluding Seigniorage)	Cum	288	5
M-005	Fine aggregate/ sand(un- screened) for Concrete & Filtering items) (excluding Seigniorage charges)	Cum	288	5
M-006	Fine Sand (Excluding Seigniorage charges)	Cum	490	5
M-007	Murum (Excluding Seigniorage charges)	Cum	110	
M-008	Gravel/Quarry spall(Excluding Seigniorage Charges)	Cum	97	0
M-009	Granular Material or hard Murum for GSB works	Cum	Deleted	
M-010	Granular Material or hard Murum for GSB works(Excluding Seigniorage charges)	Cum	98	0
M-011	Fly ash conforming to IS: 3812 (Part II & I)	Cum	65.00	5
M-012	Filter media/Filter Material as per Table 300-3 (MoRT&H Specification) (excluding Seigniorage Charges)	Cum	350	5
M-013	Close graded Granular sub-base Material 53 mm to 9.5 mm (excluding Seigniorage Charges)	Cum	635	-
M-014	Close graded Granular sub-base Material 37.5 mm to 9.5 mm (excluding Seigniorage Charges)	Cum	656	-
M-015	Close graded Granular sub-base Material 26.5 mm to 9.5 mm (excluding Seigniorage Charges)	Cum	677	-
M-016	Close graded Granular sub-base Material 9.5 mm to 4.75 mm (excluding Seigniorage Charges)	Cum	572	-
M-017	Close graded Granular sub-base Material 9.5 mm to 2.36 mm (excluding Seigniorage Charges)	Cum	562	-
M-18	Close graded Granular sub-base Material 4.75 mm to 2.36 mm (excluding Seigniorage Charges)	Cum	499	5
M-019	Close graded Granular sub-base Material 4.75mm to 75 micron mm(excluding Seigniorage Charges)	cum	478	5
M-020	Close graded Granular sub-base Material 2.36 mm (excluding Seigniorage Charges)	Cum	478	5
M-021	Stone crusher dust finer than 3mm with not more than10% passing 0.075 sieve. (excluding Seigniorage Charges)	Cum	357	5
M-022	Coarse graded Granular sub-base Material 2.36 mm & below (excluding Seigniorage Charges)	Cum	436	5

**Revised embedded tax rates for the Materials other than covered under
Irrigation Work items for the SoR 2012 - 13**

Sl. No.	Description	Unit	S. Rate for the year 2012-13	Total Embedded Tax Rate (%)
M-023	Coarse graded Granular sub-base Material 4.75mm to 75 micron mm (excluding Seigniorage Charges)	cum	467	5
M-024	Coarse graded Granular sub-base Material 4.75 mm to 2.36 mm (excluding Seigniorage Charges)	Cum	467	5
M-025	Coarse graded Granular sub-base Material 9.5 mm to 4.75 mm (excluding Seigniorage Charges)	Cum	546	-
M-026	Coarse graded Granular sub-base Material 26.5 mm to 4.75 mm (excluding Seigniorage Charges)	Cum	593	-
M-027	Coarse graded Granular sub-base Material 26.5 mm to 9.5 mm (excluding Seigniorage Charges)	Cum	646	-
M-028	Coarse graded Granular sub-base Material 37.5 mm to 9.5 mm (excluding Seigniorage Charges)	Cum	656	-
M-029	Coarse graded Granular sub-base Material 53 mm to 26 .5mm (excluding Seigniorage Charges)	Cum	803	-
M-030	Aggregates below 5.6 mm (excluding Seigniorage Charges)	Cum	530	5
M-031	Aggregates 22.4 mm to 2.36 mm (excluding Seigniorage Charges)	Cum	845	-
M-032	Aggregates 22.4 mm to 5.6 mm (excluding Seigniorage Charges)	Cum	950	-
M-033	Aggregates 45 mm to 2.8 mm (excluding Seigniorage Charges)	Cum	662	-
M-034	Aggregates 45 mm to 22.4 mm (excluding Seigniorage Charges)	Cum	1024	-
M-035	Aggregates 53 mm to 2.8 mm (excluding Seigniorage Charges)	Cum	845	-
M-036	Aggregates 53 mm to 22.4 mm (excluding Seigniorage Charges)	Cum	803	-
M-037	Aggregates 63 mm to 2.8 mm (excluding Seigniorage Charges)	Cum	656	-
M-038	Aggregates 63 mm to 45 mm (excluding Seigniorage Charges)	Cum	625	-
M-039	Aggregates 90 mm to 45 mm (excluding Seigniorage Charges)	Cum	588	-
M-040	Aggregates 10 mm to 5 mm (excluding Seigniorage Charges)	Cum	788	-
M-041	Aggregates 11.2 mm to 0.09 mm (excluding Seigniorage Charges)	Cum	662	-
M-042	Aggregates 13.2 mm to 0.09 mm (excluding Seigniorage Charges)	Cum	740	-

**Revised embedded tax rates for the Materials other than covered under
Irrigation Work items for the SoR 2012 - 13**

Sl. No.	Description	Unit	S. Rate for the year 2012-13	Total Embedded Tax Rate (%)
M-043	Aggregates 13.2 mm to 5.6 mm (excluding Seiniorage Charges)	Cum	845	-
M-044	Aggregates 13.2 mm to 10 mm (excluding Seiniorage Charges)	Cum	940	-
M-045	Aggregates 20 mm to 10 mm (excluding Seiniorage Charges)	Cum	1076	-
M-046	Aggregates 25 mm to 10 mm (excluding Seiniorage Charges)	Cum	1034	-
M-047	Aggregates 19 mm to 6 mm (excluding Seiniorage Charges)	Cum	950	-
M-048	Aggregates 37.5 mm to 19 mm (excluding Seiniorage Charges)	Cum	1008	-
M-049	Aggregates 37.5 mm to 25 mm (excluding Seiniorage Charges)	Cum	992	-
M-050	Aggregates 6 mm nominal size (excluding Seiniorage Charges)	Cum	688	-
M-051	Aggregates 10 mm nominal size (excluding Seiniorage Charges)	Cum	861	-
M-052	Aggregates 13.2/12.5 mm nominal size (excluding Seiniorage Charges)	Cum	1029	-
M-053	Aggregates 20 mm nominal size (excluding Seiniorage Charges)	Cum	1234	-
M-054	Aggregates 25 mm nominal size (excluding Seiniorage Charges)	Cum	1213	-
M-055	Aggregates 40 mm nominal size (excluding Seiniorage Charges)	Cum	782	-
M-056	AC pipe 100 mm dia	Metre	Rate as per PH item	
M-057	Acrylic polymer bonding coat	Litre	430	5
M-058	Aluminum Paint	Litre	310	28.24
M-059	Aluminum alloy plate 2mm Thick	Sqm	347	17.6
M-060	Aluminum alloy/Galvanized steel	Tonne	64667	17.6
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	870	17.6
M-062	Aluminum studs 100 x 100 mm fitted with lens reflector	No's	As per local market rate	
M-063	Barbed wire	Kg	74	17.59
M-064	Bearing (Cost of parts)	No's	532	17.6
M-065	Bearing (Cast steel rocker bearing assembly of 250 tonne)	No's	729	17.6

**Revised embedded tax rates for the Materials other than covered under
Irrigation Work items for the SoR 2012 - 13**

Sl. No.	Description	Unit	S. Rate for the year 2012-13	Total Embedded Tax Rate (%)
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	7	14.57
M-072	Binding wire	Kg	65	17.6
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	As per rates fixed by R&B Dept based on refinery rates	
M-076	Bitumen (Cutback)	Tonne	As per rates fixed by R&B Dept based on refinery rates	
M-077	Bitumen (emulsion)(Excluding taxes)	Tonne	As per rates fixed by R&B Dept based on refinery rates	
M-078	Bitumen (modified graded)	Tonne	As per rates fixed by R&B Dept based on refinery rates	

**Revised embedded tax rates for the Materials other than covered under
Irrigation Work items for the SoR 2012 - 13**

Sl. No.	Description	Unit	S. Rate for the year 2012-13	Total Embedded Tax Rate (%)
M-079	Brick	Each	As per Building SSR	-
M-080	C.I. shoes for the pile	Kg	51	17.59
M-081	Cement	Tonne	5100	28.24
M-082	Cold twisted bars (HYSD/TMT Bars)	Tonne	48000	17.6
M-083	Collar for joints 300 mm dia	No's	153	28.25
M-084	Compressible Fibre Board(20mm thick)	Sqm	487	14.5
M-085	Connectors/ Staples	Each	75	28.25
M-086	Copper Plate(12m long x 250mmwide)	Kg	497	28.24
M-087	Corrosion resistant Structural steel	Tonne	55333	17.6
M-088	Corrugated sheet, 3 mm thick, "Tie" beam section railing	Kg	192	17.6
M-089	Credit for excavated rock found suitable for use	Cum	178	5
M-090	Curing compound	Liter	125	28.24
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	30	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	1208	28.24
M-095	Epoxy compound with accessories for preparing epoxy mortar	Kg	325	28.24
M-096	Epoxy mortar	Kg	105	28.24
M-097	Epoxy primer	Kg	548	28.24
M-098	Epoxy resin-hardener mix for prime coat	Kg	568	28.24
M-099	Flag of red color cloth 600 x 600 mm	Each	24	5
M-100	Flowering Plants	Each	36	5
M-101	Galvanized MS flat clamp	No's	186	17.6

**Revised embedded tax rates for the Materials other than covered under
Irrigation Work items for the SoR 2012 - 13**

Sl. No.	Description	Unit	S. Rate for the year 2012-13	Total Embeded Tax Rate (%)
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	168	17.6
M-103	Galvanized structural steel plate 200 mm wide, 6 mm thick, 24 m long	Kg	860	17.6
M-104	Gelatin 80%	Kg	593	28.24
M-105	Geo grids	Sqm	As per local competitive quotations	
M-106	(a)Geo membrane 500 micron thick	Sqm	75	28.25
	(b) Geo membrane 750 micron thick	Sqm	113	28.23
	(c) Geo membrane 1000 micron thick	Sqm	155	28.24
M-107	Geo nets	Sqm	As per local competitive quotations	
M-108	(a)Geo textile 160 gsm	Sqm	104	28.24
	(b) Geo textile 200 gsm	Sqm	115	28.23
	(c) Geo textile 250 gsm	Sqm	140	28.24
M-109	Geo textile filter fabric	Sqm	As per local competitive quotations	
M-110	GI bolt 10 mm Dia	No's	21	28.21
M-111	Grouting pump with agitator	Hour	104000	28.24
M-112	Grass (Doob)	Kg	5	14.42
M-113	Grass (Fine)	Kg	7	0
M-114	HDPE pipes 75mm dia	Metre	Rate as per PH items	
M-115	HDPE pipes 90mm dia	Metre	Rate as per PH items	
M-116	Hedge plants	Each	Rate as per local competitive quotations	
M-117	Helical pipes 600mm diameter	Metre	Rate as per local competitive quotations	

**Revised embedded tax rates for the Materials other than covered under
Irrigation Work items for the SoR 2012 - 13**

Sl. No.	Description	Unit	S. Rate for the year 2012-13	Total Embedded Tax Rate (%)
M-118	Hot applied thermoplastic compound	Litre	Rate as per local competitive quotations	
M-119	HTS strand	Tonne	Rate as per local competitive quotations	
M-120	Joint Sealant Compound	Kg	Rate as per local competitive quotations	
M-121	Jute netting, open weave, 2.5 cm square opening for seeding and Mulching	Sqm	84	28.24
M-122	LDO for steam curing	Litre	62	30.53
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	46000	17.6
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	17	17.57
M-130	Nuts and bolts	Kg	82	17.6

**Revised embedded tax rates for the Materials other than covered under
Irrigation Work items for the SoR 2012 - 13**

Sl. No.	Description	Unit	S. Rate for the year 2012-13	Total Embedded Tax Rate (%)
M-131	Paint	Litre	210	28.24
M-132	Pavement Marking Paint	Litre	Rate as per local competitive quotations	
M-133	Paving Fabric	Sqm	Rate as per local competitive quotations	
M-134	Perforated geo synthetic pipe 150 mm dia	Metre	Rate as per local competitive quotations	
M-135	Perforated pipe of cement concrete, internal dia 100 mm	Metre	Rate as per local competitive quotations	
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	Rate as per local competitive quotations	
M-140	Polymer braids	Metre	Rate as per local competitive quotations	
M-141	Pre moulded Joint filler, 25 mm thick for expansion joint	Sqm	Rate as per local competitive quotations	

**Revised embedded tax rates for the Materials other than covered under
Irrigation Work items for the SoR 2012 - 13**

Sl. No.	Description	Unit	S. Rate for the year 2012-13	Total Embedded Tax Rate (%)
M-142	Pre-coated stone chips of 13.2 mm nominal size	Cum	Rate as per local competitive quotations	
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	Rate as per local competitive quotations	
M-145	Pre-packed cement based polymer concrete of strength 45 Mpa at 28 days	Kg	Rate as per local competitive quotations	
M-146	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	263	5
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	Rate as per PH items	
M-151	RCC Pipe NP 4 heavy duty non pressure pipe 300 mm dia	Metre	Rate as per PH items	
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	Rate as per local competitive quotations	
M-154	Reinforcement strips 60 mm wide 5 mm thick as per clause 3102. (Galvanized carbon steel strips)	Metre	Rate as per local competitive quotations	

**Revised embedded tax rates for the Materials other than covered under
Irrigation Work items for the SoR 2012 - 13**

Sl. No.	Description	Unit	S. Rate for the year 2012-13	Total Embedded Tax Rate (%)
M-155	Reinforcement strips 60 mm wide 5 mm thick as per clause 3102. (Glass reinforced polymer/ fiber reinforced polymer/polymeric strips)	Metre	Rate as per local competitive quotations	
M-156	Reinforcement strips 60 mm wide 5 mm thick as per clause 3102. (Stainless steel strips)	Metre	Rate as per local competitive quotations	
M-157	Reinforcement strips 60 mm wide 5 mm thick as per clause 3102. (Aluminum strips)	Metre	Rate as per local competitive quotations	
M-158	Rivets	Each	5	17.65
M-159	Sand bags (Cost of sand and Empty cement bag)	Per bag	14	5.03
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	72	17.61
M-162	Seeds(Grass)	Kg	16	0
M-163	Cost of Selected earth (Excluding Seignorage Charges)	Cum	90	0
M-164	Separation Membrane of impermeable plastic sheeting 125 micron thick	Sqm	Rate as per local competitive quotations	
M-165	Sheathing duct	Metre	Rate as per local competitive quotations	
M-166	Shrubs	Each	14	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 Seignorage charges)	Cum	1997	5

**Revised embedded tax rates for the Materials other than covered under
Irrigation Work items for the SoR 2012 - 13**

Sl. No.	Description	Unit	S. Rate for the year 2012-13	Total Embedded Tax Rate (%)
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/Municipal Departments	
M-171	Steel circular hollow pole of standard specification for street lighting to mount light at 9 m height above road level	Each	Rate to be obtained from 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	As per local competitive market rate	
M-174	Steel pipe 25 mm external dia as per IS:1239	Metre	256	17.6
M-175	Steel pipe 50 mm external dia as per IS:1239	Metre	498	17.6
M-176	Steel wire rope 20 mm	Kg	166	17.6
M-177	Steel wire rope 40 mm	Kg	187	17.6
M-178	Strip seal expansion joint	Metre	Rate as per local competitive quotations	
M-179	Structural Steel(HYSD/TMT bars)	Tonne	48000	
M-180	Super plasticizer admixture IS marked as per 9103-1999	Kg	58	
M-181	Synthetic Geo grids as per clause 3102.8 and approved design and specifications.	Sqm	Rate as per local competitive	
M-182	Through and bond stone	Each		Rate as per item nos 75 to 77 of Irrigation Materials
	(a) 20X20x30 to 45 cm long	Each	31	
	Through and bond stone			
	(b) 25X25x45 to 60 cm long		38	
	Through and bond stone	Each		
	(c) 30X30x65 to 75 cm long		56	
M-183	Tie rods 20mm diameter	No's	46	14.51

**Revised embedded tax rates for the Materials other than covered under
Irrigation Work items for the SoR 2012 - 13**

Sl. No.	Description	Unit	S. Rate for the year 2012-13	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	As per Building SSR	
M-186	Traffic cones with 150 mm reflective sleeve	No's	Rate as per local competitive	
M-187	Tube anchorage set complete with bearing plate, permanent wedges etc	No's	Rate as per local competitive quotations	
M-188	Un slaked lime	Tonne	2283	5
M-189	Water	KiloLitre	90	5.0
M-190	Water based cement paint	Litre	As per Building SSR	
M-191	Welded steel wire fabric	Kg	134	17.6
M-192	Wire mesh 50mm x 50mm size of 3mm wire	Kg	227	17.6
M-193	Wooden ballies 2" Dia for bracing	Each	As per Building SSR	
M-194	Wooden ballies 8" Dia and 9 m long	Each	As per Building SSR	
M-195	Wooden packing	Cum	1150	17.6
M-196	Wooden staff for fastening of flag 25 mm dia, one m long	Each	70	

**Revised embedded tax rates for the Materials other than covered under
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Sl. No.	Description	Unit	S. Rate for the year 2012-13	Total Embedded Tax Rate (%)
Item 8.3	Printing new letter and figures of any shade (ii) English Roman	per cm height per letter	1.4	0
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	As per Building SSR	
Miscellaneous Items				
1	Benching old embankment slopes 0.45 X 0.45 M	RM	3.8	
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	22.6	
3	Rough stone for revetment 225mm thick (including Loading charges but excluding Seigniorage charges)	Cum	166.0	5
4	Eradication of Weed growth from Drains, Canals by spraying Chemicals	Sqm	1.5	-
5	Thinner	Ltr	125.00	28.24

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