

REVISED EMBEDDED TAX RATES
AS PER BOCEs 23.03.2019
(SoR 2013-14)

Statement showing the Schedule of Rates with Revised embedded tax rates for the Irrigation work items of SoR 2013-14

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for the year 2013-14	Total Embedded Tax Rate (%)
1	2	3	4	5
1	Acetylene gas	cum	320.00	17.6
2	Asphalt 80/100 Grade	Kg	40.00	19.69
3	Binding wire	Kg	70.00	17.59
4	Burnt stone slab 10 cm thick	sqm	280.00	17.6
5	Cement 43 Gr/53 Gr Note: Rate as fixed by the Government	tonne	4100.00	28.24
6	Chequered plate	Kg	60.00	17.6
7	Coarse aggregate 10-4.75 mm(excluding Seignioragecharges)	cum	830.00	-
8	Coarse aggregate 20-10 mm(excluding Seigniorage charges)	cum	1150.00	-
9	Coarse aggregate 40-20 mm(excluding Seigniorage charges)	cum	1090.00	-
10	Coarse aggregate 80-40 mm(excluding Seigniorage charges)	cum	605.00	-
11	Coir brush	Each	42.00	17.61
12	Copper sheet 16 SWG	kg	665.00	17.6
13	Coursed rubble stone 30 x 30 x 45 cm(excluding Seigniorage charges)	Each	18.00	5
14	Coursed rubble stone 30 x 30 x 60 cm(excluding Seigniorage charges)	Each	21.00	5
15	Curing Compound	Ltr	125.00	28.24
16	D – cord	Rm	16.00	28.31
17	Delay - noiseless trunk	Each	21.00	28.21
18	Detonating fuse coil	Rm	11.00	28.21
19	Detonating shock tube / Cord relays	Rm	65.00	28.23
20	Detonator delay type	Each	23.00	28.21
21	Detonator electric	Each	13.00	28.33

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for the year 2013-14	Total Embedded Tax Rate (%)
22	Detonator ordinary	Each	9.00	28.21
23	Empty cement bag	Each	4.50	
24	Explosive ANFO	kg	40.00	28.25
25	Explosive ANFO high strength booster	kg	75.00	28.25
26	Explosive small dia (Kelvex-220 or equivalent)	kg	70.00	28.23
27	(a)Fine aggregate/ sand(un- screened) for Concrete & Filtering items) (excluding Seigniorage charges)	cum	385.00	5
	b)Fineaggregate/Sand(unscreened)for filling(excluding Seigniorage charges)	cum	285.00	5
28	Fine aggregate /Sand (Screened) for Mortar, Plastering items and Sand blasting items(excluding Seigniorage charges)	cum	505.00	5
29	Geo-textile (filter fabric) 160 gsm	sqm	107.00	28.24
30	Geo-textile (filter fabric) 200 gsm	sqm	128.00	28.24
31	Geo-textile (filter fabric) 250 gsm	sqm	150.00	28.25
32	G I Pipe 100 mm dia B Class	Rm	735.00	17.6
33	G I Pipe 15 mm dia A class	Rm	105.00	17.59
34	G I pipe 25 mm dia A class	Rm	160.00	17.6
35	G I pipe 40 mm dia B class	Rm	290.00	17.6
36	G I pipe 50 mm dia A class	Rm	320.00	17.6
37	G I Pipe 80 mm dia B Class	Rm	490.00	17.6
38	G.I Bolts / Nuts and Washers	kg	106.00	17.61
39	G.I sheet (plain)	tonne	66000.00	17.6
40	Hariyala turfing sods	sqm	28.00	14.5%
41	Hectometer stone one line dressed	Each	230.00	5
42	Hemp yarn	kg	72.00	17.61
43	Honne wood planks	cum	54000.00	28.24
44	Hume pipe with collar 150 mm dia	Rm	320.00	17.6

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for the year 2013-14	Total Embedded Tax Rate (%)
45	Hume pipe with collar 300 mm dia	Rm	630.00	17.6
46	J- Bolts 30 cm long	Each	33.00	17.61
47	Jungle wood planks	cum	21000.00	
48	Khandki stone 15 to 20 cm height	Each	11.00	4.96
49	Khandki stone 20 to 25 cm height	Each	13.00	5.01
50	Khandki stone 25 to 30 cm height	Each	16.00	4.99
51	Kilometer stone one line dressed	Each	430.00	5
52	LDPE sheet (Geo membrane) 500 micron thick	sqm	85.00	17.6
53	LDPE sheet (Geo membrane) 750 micron thick	sqm	125.00	17.6
54	LDPE sheet (Geo membrane) 1000 micron thick	sqm	175.00	17.6
55	M S Bolts / Nuts / Washers	kg	85.00	17.6
56	Murum(including loading charges but excluding Seigniorage charges)	cum	103.00	0
57	Oxalic acid	Ltr	74.00	17.59
58	Oxygen gas	cum	50.00	17.59
59	PVC sealing strip	Rm	44.00	17.62
60	PVC water stopper 310 mm wide	Rm	485.00	17.6
61	PVC pipe of 100 mm dia	Rm	175.00	17.6
62	Reinforcement steel (HYSD/TMT)Note: As per Monthly rate fixed by Sub-Committee	tonne	43000.00	17.6
63	Resin bond Cement capsule	Each	65.00	17.6
64	Rough stone 20 x 20 x 75 cm (Including Loading charges but excluding Seigniorage Charges)	Each	22.00	5
65	Shahabad stone slab (including loading charges but excluding Seigniorage charges)	sqm	218.00	5
66	Stone chips (at dump yard/Spoil)(including loading charges but excluding Seigniorage charges)	cum	165.00	5
67	Stone chips (at quarry)(including loading charges but excluding Seigniorage charges)	cum	330.00	5

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for the year 2013-14	Total Embedded Tax Rate (%)
68	Structural steel angle / channel / beam / bars Note: As per Monthly rate fixed by Sub-Committee	tonne	44000.00	17.6
69	Structural steel plate / flats Note: As per Monthly rate fixed by Sub-Committee	tonne	41800.00	17.6
70	Super Plasticizer (Conplast RP-264 or equivalent)	kg	75.00	14.5
71	Synthetic Enamel paint 1st quality	Ltr	238.00	28.24
72	Synthetic adhesive (Resin + Hardener)	Kg	338.00	28.24
73	Tar felt joint filler board 12 mm thick	sqm	420.00	30.53
74	Tar felt joint filler board 20 mm thick	sqm	630.00	30.53
75	Through stones 20 x 20 x 30 to 45 cm (including loading charges but excluding Seigniorage charges)	Each	22.00	5
76	Through stones 25 x 25 x 45 to 60 cm long (including loading charges but excluding Seigniorage charges)	Each	38.00	5
77	Through stones 30 x 30 x 65 to 75 cm long (including loading charges but excluding Seigniorage charges)	Each	57.00	5
78	Un-coursed rubble stones (at dump yard /Spoil) (including loading charges but excluding Seigniorage charges)	cum	150.00	5
79	Un-coursed rubble stones (at quarry)(including loading charges but excluding Seigniorage charges)	cum	280.00	5
80	Water proofing compound	kg	72.00	28.25
81	Welding electrodes 4 mm dia	Each	13.00	17.65
82	Wire brush	Each	40.00	17.58
83	Wire mesh 20 gauge	sqm	212.00	17.6
84	Zinc chromate red oxide primer paint	Ltr	170.00	28.24
85	inorganic zinc silicate	Ltr	650.00	28.24
86	solvent less coal tar epoxy paint	Ltr	256.00	21.37
87	Zinc phosphate primer	Ltr	210.00	28.24
88	Allkyd based iron oxide paint	Ltr	185.00	28.24
89	a) Cost of hdpe (80mm dia)	Rm	620.00	17.6
	b) light black MS casing pipe 80 mm dia (4mm thick)	Rm	670.00	17.6

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for the year 2013-14	Total Embedded Tax Rate (%)
90	welded steel wire fabric 100X100X5 mm size	Kg	150.00	17.6
91	Protective Mastic	Ltr	469.00	28.24
92	Solventless coal tar epoxy (brown)	Ltr	363.00	21.37
ADDITIONAL MATERIALS FOR GATES & HOISTS				
1	Alloy steel (IS : 1570-carbon steel) shafts	Kg	195.00	17.6
2	Alloy steel (IS : 1570-stainless steel) pins	Kg	420.00	17.6
3	Bolt / Nut / Washer (hot dipped galvanized)	Kg	130.00	17.6
4	Bolt / Nut / Washer (stainless steel)	Kg	340.00	17.6
5	Bronze/Aluminum alloy(IS:305)bearings/bushes	Kg	860.00	17.6
6	Cast iron blocks	Kg	80.00	17.6
7	Cast steel drums / gears	Kg	210.00	17.6
8	Cast steel pinions	Kg	200.00	17.6
9	Cast steel wheels / pulleys / hubs / rollers /Retainers	Kg	180.00	17.6
10	Chemical for de-greasing/ de-rusting/phosphate Coating	Ltr	135.00	14.5
11	Coal tar epoxy paint	Ltr	200.00	21.37
12	Forged steel hooks / shackles	Kg	260.00	17.6
13	MS pipe 200 / 300 mm dia	Kg	175.00	17.6
14	MS pipe 32 mm dia	Rm	185.00	17.6
15	MS pipe 25 mm dia	Rm	150.00	17.6
16	Rubber bottom seal (IS : 11855) (100mmX14 mm)	Rm	845.00	28.24
17	Rubber side seal (music note type Teflon claded) (IS : 11855)	Rm	2050.00	28.24
18	Rubber side seal (music note type uncladed) (IS : 11855)	Rm	1650.00	28.24
19	Rubber side seal Z-type (IS : 11855)	Rm	2650.00	28.24
20	Rubber corner seal (Teflon claded) (IS : 11855)	Each	4100.00	28.24
21	Rubber corner seal (un claded) (IS : 11855)	Each	3400.00	28.24

SI No.	DESCRIPTION OF MATERIAL	UNIT	S. Rate for the year 2013-14	Total Embedded Tax Rate (%)
22	Stainless steel plates / flats	Kg	275.00	17.6
23	Welding electrode 4 mm dia x 450 mm (radiographic low hydrogen)	Each	18.00	17.65
24	Welding electrode 4 mm dia x 450 mm (stainless steel)	Each	26.00	17.59
25	Wire rope 6x37 constn (IS : 2266)	Kg	250.00	17.6
26	Zinc	Kg	165.00	17.61
27	Zinc rich (zinc content : 90 %) epoxy primer	Ltr	650.00	28.24

**Revised Embedded Tax Rates for Capital cost of Machinery/Equipment
(For the SoR 2013-14)**

SI No	DESCRIPTION OF MACHINERY / EQUIPMENT	UNIT	S. Rate for the year 2013-14	Total Embedded Tax Rate (%)
1	2	3	4	9
1	Agitator car / Transit mixer 2 cum (excluding tyres)	Each	2,150,000	-
	tyres and tubes 6 sets	Each	86,000	-
2	Air compressor 5 cmm electric	Each	710,000	-
3	Air compressor 7 cmm diesel	Each	950,000	-
4	Air compressor 7 cmm electric	Each	865,000	-
5	Air compressor 8.5 cmm diesel	Each	1,085,000	-
6	Air compressor 8.5 cmm electric	Each	1,120,000	-
7	Air compressor 15 cmm electric	Each	1,370,000	-
8	Angle Dozer 90 hp	Each	5,475,000	-
9	Batching plant 0.5 cum with accessories	Each	1,200,000	-
10	Batching plant 2 x 1.00 cum with accessories	Each	4,245,000	-
11	Batching plant 2 x 1.50 cum with accessories	Each	5,425,000	-
12	Bending machine	Each	530,000	-
13	Clamp shell and hoisting ropes	Each	30,000	-
14	Concrete bucket 1.5 cum	Each	56,000	-
15	Concrete hand mixer 45/30 ltr	Each	15,500	-
16	Concrete mixer 300/200 ltr(diesel)	Each	150,000	-
17	Concrete mixer 300/200 ltr (electric)	Each	145,000	-
18	Concrete mixer 600/400 ltr(diesel)	Each	260,000	-
19	Concrete mixer 600/400 ltr (electric)	Each	255,000	-
20	Concrete paver 100 Sqm / hr	Each	2,361,000	-
21	Convey mucker (excluding tyres)	Each	3,855,000	-
	tyres and tubes 6 sets		86,000	-
22	Core drilling machine	Each	1,100,000	-
23	Diesel generating set 30 KVA	Each	495,000	-
24	Diesel generating set 50 KVA	Each	640,000	-
25	Diesel Loco 45 hp	Each	2,120,000	-
26	Dewatering pump 5 hp diesel	Each	40,000	-
27	Dewatering pump 5 hp electric	Each	24,500	-
28	Dewatering pump 10 hp diesel	Each	60,000	-
29	Dewatering pump 10 hp electric	Each	55,000	-

SI No	DESCRIPTION OF MACHINERY / EQUIPMENT	UNIT	S. Rate for the year 2013-14	Total Embded Tax Rate (%)
30	Dewatering pump 20 hp diesel	Each	190,000	-
31	Dewatering pump 20 hp electric	Each	100,000	-
32	Drifter	Each	1,058,000	-
33	Drilling jumbo (excluding tyres)	Each	1,302,000	-
	tyres and tubes 6 sets		86,000	-
34	Dumper 4.5 cum (excluding tyres)	Each	1,450,000	-
	tyres and tubes 6 sets		86,000	-
35	Geophysical Ele.resistivity meter	Each	475,000	-
36	Grouting pump	Each	102,000	-
37	Guniting / sand blasting equipment	Each	280,000	-
38	Ice plant with accessories 30 t / day	Each	2,280,000	-
39	Jack hammer	Each	65,000	-
40	Needle vibrator 40 mm petrol	Each	20,000	-
41	Needle vibrator 40 mm electric	Each	21,000	-
42	Needle vibrator 60 mm petrol	Each	21,500	-
43	Needle vibrator 60 mm electric	Each	25,500	-
44	Planing machine 4 m stroke	Each	780,000	-
45	Plate shearing machine up to 12 mm	Each	425,000	-
46	Pneumatic placer 0.5 cum	Each	580,000	-
47	Pneumatic tamper	Each	85,000	-
48	Pug cutting machine	Each	16,000	-
49	Pusher leg	Each	52,000	-
50	Road roller diesel 10 t	Each	850,000	-
51	Shovel 0.50 cum 75 hp	Each	3,750,000	-
52	Shovel 0.85 cum 110 hp	Each	6,380,000	-
53	Stationery derrick crane 5 t	Each	653,000	-
54	Tipper 5 cum (excluding tyres)	Each	1,625,000	-
	tyres and tubes 6 sets		86,000	-
55	Tipping tub 1.5 cum	Each	240,000	-
56	Tower crane 5 tonne	Each	7,475,000	-
57	Transformer 250 KVA	Each	425,000	-
58	Truck 10 t (excluding tyres)	Each	1,475,000	-
	tyres and tubes 6 sets		86,000	-
59	Truck mounted derrick crane 5 t (excluding tyres)	Each	1,960,000	-

SI No	DESCRIPTION OF MACHINERY / EQUIPMENT	UNIT	S. Rate for the year 2013-14	Total Embded Tax Rate (%)
	tyres and tubes 6 sets		86,000	-
60	Upright drilling machine	Each	56,000	-
61	Ventilation fan 20 hp	Each	260,000	-
62	Vibratory pad foot roller 8 t	Each	2,950,000	-
63	Wagon drill	Each	650,000	-
64	Water tanker 8000 ltr (excluding tyres)	Each	1,422,000	-
	tyres and tubes 6 sets		86,000	-
65	Welding set	Each	48,000	-
66	Winch 35 hp electric	Each	375,000	-
67	Hydraulic Truck Crane 30T	Each	14484250	-
	tyres and tubes 6 sets		185,220	-
68	Hydraulic Truck Crane 16T	Each	10390875	-
	tyres and tubes 6 sets		185,220	-
69	Heavy Duty Airless Spray Painting Equipment	Each	487,770	-
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	12,800	-
5	Extension drill rod with coupling sleeve	Rm	2,000	-
6	Jack hammer drill rod 1.5 m	Each	3,800	-
7	Jack hammer drill rod 2.5 m	Each	5,900	-
8	Nozzle for Guniting / sand blasting gun	Each	700	-
9	Paving Cylinder	Each	27,000	-
10	Rails 30R (30 kg / m)	tonne	50,000	-
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	18,000	-
16	Wire rope 16 mm dia	Rm	265	-
17	Excavation of drain with Excavator	cum	35	-

SI No	DESCRIPTION OF MACHINERY / EQUIPMENT	UNIT	S. Rate for the year 2013-14	Total Embedded Tax Rate (%)
OTHER COSTS ON MATERIAL / MACHINERY / EQUIPMENT				
1	Air hose 25 mm dia	Rm	167	17.6
2	Air hose 50 mm dia	Rm	298	17.6
3	Demand charges (HT-I; General -11 KvA Category) on power supply	KVA /month	350	0
4	Diesel	Ltr	54	0
5	Electric power (HT-VIII Category including taxes) (1.5 times of the Tariff of HT-I(A; General-11 KvA category)	Kwhr	8.5	0
6	Excise duty on Gates / Hoist supplies	%	0%	
7	Insurance charges on machinery	% / annum	1%	
8	Interest on capital cost	% / annum	12.50%	
9	Lubricants	Ltr	275	17.6
10	Petrol	Ltr	69	0
11	Rivets	Kg	99.00	17.59
12	Road tax on transport vehicles	Rs./annum	As per RTA	0
13	Shalimatic sealing compound	Kg	91	
14	Shutter oil	Ltr	78	
15	Structural steel fabrication	Kg	24	0
16	Sundries (Lump sum for un quantified inputs)	LS	41	0
17	Water hose (pressure) 20 mm dia	Rm	219.0	17.6
18	Steel wedges	LS	16	17.56
19	Elbows / Nipple / Plugs etc.,	LS	17	17.57
20	Soldering materials	LS	17	17.57
21	Steam circulation arrangement	LS	17	17.57
22	Fuel charges (gas for heating)	LS	17	
23	Vulcanizing materials	LS	17	
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	14,203	17.6
29	Grease	Kg	254	19.7
30	Welding holder set (cable / holder / gloves / mask etc)	Each	7,331	17.6
31	Use rate of ropes	LS	150	0

SI No	DESCRIPTION OF MACHINERY / EQUIPMENT	UNIT	S. Rate for the year 2013-14	Total Embedded Tax Rate (%)
MATERIALS FOR GATES AND HOISTS				
1	Worm reducers	Each	224,400	28.24
2	Electric motor 20 hp(Double Shaft)	Each	121,000	28.24
3	Electric motor 17.5 hp(Double Shaft)	Each	85,800	28.24
4	Electric motor 12.5 hp(Double Shaft)	Each	72,600	28.24
5	Electric motor 5 hp(Double Shaft)	Each	33,000	28.24
6	Electric motor 3 hp (Double Shaft)	Each	23,100	28.24
7	Electric motor 2 hp (Double Shaft)	Each	12,100	28.24
8	Floating shaft 300 mm dia	Kg	180	28.23
9	Manual operating system	Each	28,820	28.24
10	Gate position indicator	Each	195,800	28.24
11	Ele-magnetic brake	Each	35,200	28.24
12	Electric cable / switch / control panel etc	LS	50,380	17.6
13	Wire rope sockets	Each	4,620	17.6

**Revised embedded tax rates for the Materials other than covered under Irrigation
Work items for the SoR 2013 - 14**

Sl. No.	Description	Unit	S. Rate for the year 2013-14	Total Embebed Tax Rate (%)
1	2	3	4	9
M-002	Quarried stone 150 - 200 mm size for Hand Broken	Cum	140	5
M-003	Boulder with minimum size of 300 mm for Pitching (Excluding Seigniorage)	Cum	156	5
M-004	Coarse sand for filling (Excluding Seigniorage)	Cum	Rate as per item no.27(b) of material of I&CAD	
M-005	Coarse sand for mortar(Excluding Seigniorage)	Cum	Rate as per item no.27(a) of material of I&CAD	
M-006	Fine Sand (Excluding Seigniorage charges)	Cum	Rate as per item no.28 of material of I&CAD	
M-007	Murum (Excluding Seigniorage charges)	Cum	Rate as per item no.56 of material of I&CAD	
M-008	Gravel/Quarry spall(Excluding Seigniorage Charges)	Cum	98	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	89	0
M-011	Fly ash conforming to IS: 3812 (Part II & I)	Cum	70.00	12
	For item No.M-012 to M-055 the note shall be as follows			
	1) The rates mentioned are exclusive of Seigniorage charges but inclusive of blasting charges of Rs.70/cum and 25% machine crushing charges. However, if the metal is obtained by hand broken, machine crushing charges shall be deducted.			
	2) If the material is obtained by hand broken from surface boulders/canal spoil, the blasting and crushing charges shall be deducted.			
	3)The material shall be HB Stone of Granite, Dolomite, Dolerite and Trap.(Quartzite and Basalt with aggregate impact of less than 20)			
M-012	Filter media/Filter Material as per Table 300-3 (MoRT&H Specification) (excluding Seigniorage Charges)	Cum	335	5
M-013	Close graded Granular sub-base Material 53 mm to 9.5 mm (excluding Seigniorage Charges)	Cum	648	-
M-014	Close graded Granular sub-base Material 37.5 mm to 9.5 mm (excluding Seigniorage Charges)	Cum	665	-
M-015	Close graded Granular sub-base Material 26.5 mm to 9.5 mm (excluding Seigniorage Charges)	Cum	690	-

**Revised embedded tax rates for the Materials other than covered under Irrigation
Work items for the SoR 2013 - 14**

Sl. No.	Description	Unit	S. Rate for the year 2013-14	Total Embeded Tax Rate (%)
M-016	Close graded Granular sub-base Material 9.5 mm to 4.75 mm (excluding Seigniorage Charges)	Cum	575	-
M-017	Close graded Granular sub-base Material 9.5 mm to 2.36 mm (excluding Seigniorage Charges)	Cum	565	-
M-018	Close graded Granular sub-base Material 4.75 mm to 2.36 mm (excluding Seigniorage Charges)	Cum	495	5
M-019	Close graded Granular sub-base Material 4.75mm to 75 micron mm(excluding Seigniorage Charges)	cum	475	5
M-020	Close graded Granular sub-base Material 2.36 mm (excluding Seigniorage Charges)	Cum	475	5
M-021	Stone crusher dust finer than 3mm with not more than10% passing 0.075 sieve. (excluding Seigniorage Charges)	Cum	340	5
M-022	Coarse graded Granular sub-base Material 2.36 mm & below (excluding Seigniorage Charges)	Cum	425	5
M-023	Coarse graded Granular sub-base Material 4.75mm to 75 micron mm (excluding Seigniorage Charges)	cum	460	5
M-024	Coarse graded Granular sub-base Material 4.75 mm to 2.36 mm (excluding Seigniorage Charges)	Cum	460	5
M-025	Coarse graded Granular sub-base Material 9.5 mm to 4.75 mm (excluding Seigniorage Charges)	Cum	545	-
M-026	Coarse graded Granular sub-base Material 26.5 mm to 4.75 mm (excluding Seigniorage Charges)	Cum	601	-
M-027	Coarse graded Granular sub-base Material 26.5 mm to 9.5 mm (excluding Seigniorage Charges)	Cum	602	-
M-028	Coarse graded Granular sub-base Material 37.5 mm to 9.5 mm (excluding Seigniorage Charges)	Cum	665	-
M-029	Coarse graded Granular sub-base Material 53 mm to 26 .5mm (excluding Seigniorage Charges)	Cum	825	-
M-030	Aggregates below 5.6 mm(excluding Seiniorage Charges)	Cum	530	5
M-031	Aggregates 22.4 mm to 2.36 mm (excluding Seiniorage Charges)	Cum	870	-
M-032	Aggregates 22.4 mm to 5.6 mm (excluding Seiniorage Charges)	Cum	990	-
M-033	Aggregates 45 mm to 2.8 mm (excluding Seiniorage Charges)	Cum	635	-
M-034	Aggregates 45 mm to 22.4 mm (excluding Seiniorage Charges)	Cum	Rate as per item no.9 of material rates of I&CAD	-
M-035	Aggregates 53 mm to 2.8 mm (excluding Seiniorage Charges)	Cum	870	-
M-036	Aggregates 53 mm to 22.4 mm (excluding Seiniorage Charges)	Cum	830	-

**Revised embedded tax rates for the Materials other than covered under Irrigation
Work items for the SoR 2013 - 14**

Sl. No.	Description	Unit	S. Rate for the year 2013-14	Total Embeded Tax Rate (%)
M-037	Aggregates 63 mm to 2.8 mm (excluding Seiniorage Charges)	Cum	680	-
M-038	Aggregates 63 mm to 45 mm (excluding Seiniorage Charges)	Cum	630	-
M-039	Aggregates 90 mm to 45 mm (excluding Seiniorage Charges)	Cum	Rate as per item no.10 of material of I&CAD	-
M-040	Aggregates 10 mm to 5 mm (excluding Seiniorage Charges)	Cum	Rate as per item no.7 of material of I&CAD	-
M-041	Aggregates 11.2 mm to 0.09 mm (excluding Seiniorage Charges)	Cum	670	-
M-042	Aggregates 13.2 mm to 0.09 mm(excluding Seiniorage Charges)	Cum	760	-
M-043	Aggregates 13.2 mm to 5.6 mm (excluding Seiniorage Charges)	Cum	875	-
M-044	Aggregates 13.2 mm to 10 mm(excluding Seiniorage Charges)	Cum	980	-
M-045	Aggregates 20 mm to 10 mm (excluding Seiniorage Charges)	Cum	Rate as per item no.8 of material of I&CAD	-
M-046	Aggregates 25 mm to 10 mm (excluding Seiniorage Charges)	Cum	1075	-
M-047	Aggregates 19 mm to 6 mm (excluding Seiniorage Charges)	Cum	990	-
M-048	Aggregates 37.5 mm to 19 mm(excluding Seiniorage Charges)	Cum	1050	-
M-049	Aggregates 37.5 mm to 25 mm(excluding Seiniorage Charges)	Cum	1090	-
M-050	Aggregates 6 mm nominal size(excluding Seiniorage Charges)	Cum	700	-
M-051	Aggregates 10 mm nominal size(excluding Seiniorage Charges)	Cum	890	-
M-052	Aggregates 13.2/12.5 mm nominal size(excluding Seiniorage Charges)	Cum	1045	-
M-053	Aggregates 20 mm nominal size(excluding Seiniorage Charges)	Cum	1300	-
M-054	Aggregates 25 mm nominal size(excluding Seiniorage Charges)	Cum	1250	-
M-055	Aggregates 40 mm nominal size(excluding Seiniorage Charges)	Cum	805	-
M-056	AC pipe 100 mm dia	Metre	Rate as per PH item	
M-057	Acrylic polymer bonding coat	Litre	460	17.6
M-058	Aluminum Paint	Litre	320	28.24

**Revised embedded tax rates for the Materials other than covered under Irrigation
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Sl. No.	Description	Unit	S. Rate for the year 2013-14	Total Embedded Tax Rate (%)
M-059	Aluminum alloy plate 2mm Thick	Sqm	370	17.6
M-060	Aluminum alloy/Galvanized steel	Tonne	68865	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	940	17.6
M-062	Aluminum studs 100 x 100 mm fitted with lens	No's	As per local market rate	
M-063	Barbed wire	Kg	80	17.6
M-064	Bearing (Cost of parts)	No's	570	17.6
M-065	Bearing (Cast steel rocker bearing assembly of 250 tonne)	No's	785	17.6
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	8	14.5
M-072	Binding wire	Kg	Rate as per item no.3 of Material rates of I&CAD.	
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	

**Revised embedded tax rates for the Materials other than covered under Irrigation
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Sl. No.	Description	Unit	S. Rate for the year 2013-14	Total Embedded Tax Rate (%)
M-078	Bitumen (modified graded)	Tonne	As per rates fixed by R&B Dept based on refinery rates	
M-079	Brick	Each	As per Building SSR	-
M-080	C.I. shoes for the pile	Kg	54	17.6
M-081	Cement	Tonne	Rate as per item no.5 of Material rates of I&CAD.	
M-082	Cold twisted bars (HYSD/TMT Bars)	Tonne	Rate as per item no.62 of Material rates of I&CAD	
M-083	Collar for joints 300 mm dia	No's	160	28.24
M-084	Compressible Fibre Board(20mm thick)	Sqm	525	14.5
M-085	Connectors/ Staples	Each	80	28.25
M-086	Copper Plate(12m long x 250mmwide)	Kg	520	28.24
M-087	Corrosion resistant Structural steel	Tonne	57500	17.6
M-088	Corrugated sheet, 3 mm thick, "Tie" beam section railing	Kg	200	17.6
M-089	Credit for excavated rock found suitable for use	Cum	188	5
M-090	Curing compound	Liter	131	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	40	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	1205	28.24
M-095	Epoxy compound with accessories for preparing epoxy mortar	Kg	350	28.24
M-096	Epoxy mortar	Kg	115	28.23
M-097	Epoxy primer	Kg	595	28.24
M-098	Epoxy resin-hardener mix for prime coat	Kg	615	28.24
M-099	Flag of red color cloth 600 x 600 mm	Each	25	5
M-100	Flowering Plants	Each	40	4.99
M-101	Galvanized MS flat clamp	No's	195	17.6
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	175	17.6

**Revised embedded tax rates for the Materials other than covered under Irrigation
Work items for the SoR 2013 - 14**

Sl. No.	Description	Unit	S. Rate for the year 2013-14	Total Embedded Tax Rate (%)
M-103	Galvanized structural steel plate 200 mm wide, 6 mm thick, 24 m long	Kg	905	17.6
M-104	Gelatin 80%	Kg	73	28.23
M-105	Geo grids	Sqm	As per local competitive quotations	
M-106	(a)Geo membrane 500 micron thick	Sqm	80	28.25
	(b) Geo membrane 750 micron thick	Sqm	120	28.25
	(c) Geo membrane 1000 micron thick	Sqm	165	28.24
M-107	Geo nets	Sqm	As per local competitive quotations	
M-108	(a)Geo textile 160 gsm	Sqm	110	28.24
	(b) Geo textile 200 gsm	Sqm	125	28.24
	(c) Geo textile 250 gsm	Sqm	150	28.25
M-109	Geo textile filter fabric	Sqm	As per local competitive quotations	
M-110	GI bolt 10 mm Dia	No's	22	28.28
M-111	Grouting pump with agitator	Hour	Rate covered in Item No.36 of hire charges of machinery of Irrigation items	
M-112	Grass (Doob)	Kg	6	14.5
M-113	Grass (Fine)	Kg	8	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	
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		
M-121	Jute netting, open weave, 2.5 cm square opening for seeding and Mulching	Sqm	90	28.24

**Revised embedded tax rates for the Materials other than covered under Irrigation
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Sl. No.	Description	Unit	S. Rate for the year 2013-14	Total Embedded Tax Rate (%)
M-122	LDO for steam curing	Litre	65	30.52
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	45500	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	19	17.57
M-130	Nuts and bolts	Kg	94	17.6
M-131	Paint	Litre	243	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	

**Revised embedded tax rates for the Materials other than covered under Irrigation
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Sl. No.	Description	Unit	S. Rate for the year 2013-14	Total Embeded Tax Rate (%)
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	
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.	Metre	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	245	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	
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	

**Revised embedded tax rates for the Materials other than covered under Irrigation
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Sl. No.	Description	Unit	S. Rate for the year 2013-14	Total Embedded Tax Rate (%)
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	6	17.65
M-159	Sand bags (Cost of sand and Empty cement bag)	Per bag	16	5
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	80	17.6
M-162	Seeds(Grass)	Kg	18	0
M-163	Cost of Selected earth (Excluding Seignorage Charges)	Cum	40	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	15	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	2150	5
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	280	17.6

**Revised embedded tax rates for the Materials other than covered under Irrigation
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Sl. No.	Description	Unit	S. Rate for the year 2013-14	Total Embedded Tax Rate (%)
M-175	Steel pipe 50 mm external dia as per IS:1239	Metre	545	17.6
M-176	Steel wire rope 20 mm	Kg	180	17.6
M-177	Steel wire rope 40 mm	Kg	205	17.6
M-178	Strip seal expansion joint	Metre	Rate as per local competitive quotations	
M-179	Structural Steel(HYSD/TMT bars)	Tonne	Rate as per item no.62 of Material rates of I&CAD	
M-180	Super plasticizer admixture IS marked as per 9103-1999	Kg	65	17.6
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 as per item no.75 of Material rates of I&CAD	
	(a) 20X20x30 to 45 cm long	Each		
	Through and bond stone			Rate as per item no.76 of Material rates of I&CAD
	(b) 25X25x45 to 60 cm long			
	Through and bond stone	Each	Rate as per item no.77 of Material rates of I&CAD	
	(c) 30X30x65 to 75 cm long			
M-183	Tie rods 20mm diameter	No's	52	28.27
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 quotations	
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	2540	5
M-189	Water charges	KiloLitre	100	5
M-190	Water based cement paint	Litre	As per Building SSR	
M-191	Welded steel wire fabric	Kg	150	17.6

**Revised embedded tax rates for the Materials other than covered under Irrigation
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Sl. No.	Description	Unit	S. Rate for the year 2013-14	Total Embeded Tax Rate (%)
M-192	Wire mesh 50mm x 50mm size of 3mm wire	Kg	245	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	1265	17.6
M-196	Wooden staff for fastening of flag 25 mm dia, one m long	Each	75	12.01
Item 8.3	Printing new letter and figures of any shade (ii) English Roman	per cm height per letter	1.6	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	4.20	0
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	25.60	0
3	Rough stone for revetment 225mm thick (including Loading charges but excluding Seigniorage charges)	Cum	140	5
4	Eradication of Weed growth from Drains, Canals by spraying Chemicals	Sqm	1.75	0
5	Thinner	Ltr	140.00	28.24

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