

**Office of the Engineer-in-Chief
Public Health Engineering Department
Chhattisgarh, Raipur**

No. 194 /T.S./ENC/PHED/ Raipur

Dated 12/12/2013

Amendment No. 1/2013-14

Under the unified schedule of rates (Part- I) for Water Supply, Sewerage Works enforce from 07.02.2013 in C.G. P.H.E. Department. The amendments to following items is hereby made with immediate effect.

1. Chapter no. 31 – Submersible Motor Pumps is hereby deleted from the USOR.
2. The Rates for various items in Chapter-5, Double flanged Cast Iron (Horizontal Cast) pipes as per IS:7181 and Chapter-6 – Ductile Iron K-7 pipes are amended as under :-

S. No.	USOR Chapter No.	USOR Item No.	Particulars of Item in USOR	Unit	Amended USOR Rate Per Meter
1	2	3	4	5	6
1	6	6.1	80mm dia DI K-7 Pipe	RM	732.00
2	6	6.1	100mm dia DI K-7 Pipe	RM	819.00
3	6	6.1	150mm dia DI K-7 Pipe	RM	1194.00

S. No.	USOR Chapter No.	USOR Item No.	Particulars of Item in USOR	Unit	Amended USOR Rate Per Meter
4	5	5.1	Providing and fixing double flanged cast iron (horizontal cast) pipe as per IS : 7181 of <u>One Meter</u> length.	Unit	Amended USOR Rate Per Meter
			80mm diameter	Each	1836.00
			100mm diameter	Each	2281.00
			125mm diameter	Each	2949.00
			150mm diameter	Each	3442.00
			200mm diameter	Each	4926.00
			250mm diameter	Each	6614.00
			300mm diameter	Each	8483.00
			350mm diameter	Each	11575.00
			400mm diameter	Each	14133.00
			450mm diameter	Each	16874.00
			500mm diameter	Each	19808.00
			600mm diameter	Each	26627.00
			700mm diameter	Each	34694.00
			750mm diameter	Each	39355.00

5	5	5.3	Providing and fixing double flanged cast iron (horizontal cast) pipe as per IS : 7181 of <u>Two Meter</u> length.	Unit	Amended USOR Rate Per Meter
			80mm diameter	Each	3120.00
			100mm diameter	Each	3930.00
			125mm diameter	Each	5098.00
			150mm diameter	Each	6041.00
			200mm diameter	Each	8656.00
			250mm diameter	Each	11818.00
			300mm diameter	Each	15322.00
			350mm diameter	Each	20250.00
			400mm diameter	Each	24698.00
			450mm diameter	Each	29679.00
			500mm diameter	Each	34708.00
			600mm diameter	Each	46545.00
			700mm diameter	Each	60305.00
			750mm diameter	Each	68174.00
6	5	5.5	Providing and fixing double flanged cast iron (horizontal cast) pipe as per IS : 7181 of <u>2.75 M</u> length	Unit	Amended USOR Rate Per Meter
			80mm diameter	Each	4076.00
			100mm diameter	Each	5155.00
			125mm diameter	Each	6688.00
			150mm diameter	Each	8017.00
			200mm diameter	Each	11480.00
			250mm diameter	Each	15604.00
			300mm diameter	Each	20436.00
			350mm diameter	Each	26673.00
			400mm diameter	Each	32525.00
			450mm diameter	Each	39165.00
			500mm diameter	Each	45744.00
			600mm diameter	Each	61297.00
			700mm diameter	Each	79272.00
			750mm diameter	Each	89523.00

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S. No.	USOR Chapter No.	USOR Item No.	Particulars of Item in USOR	Unit	Amended USOR Rate Per Mcter	
					Medium Class	Heavy Class
7	5	5.10	Providing & Laying in position cast iron flanged sockets (Conforming to IS 1538)			
			80mm diameter	Each	833.00	902.00
			100mm diameter	Each	1041.00	1110.00
			125mm diameter	Each	1318.00	1388.00
			150mm diameter	Each	1735.00	1804.00
			200mm diameter	Each	2498.00	2567.00
			250mm diameter	Each	4024.00	4302.00
			300mm diameter	Each	5135.00	5482.00
			350mm diameter	Each	7047.00	7496.00
			400mm diameter	Each	8696.00	9221.00
			450mm diameter	Each	10045.00	10645.00
			500mm diameter	Each	12219.00	12969.00
			600mm diameter	Each	16567.00	17542.00
			700mm diameter	Each	21665.00	22939.00
			750mm diameter	Each	24588.00	26013.00
			800mm diameter	Each	27887.00	29311.00
			900mm diameter	Each	34259.00	35683.00
			1000mm diameter	Each	42055.00	43479.00
			1100mm diameter	Each	64545.00	64844.00
			1200mm diameter	Each	75789.00	76539.00
8	5	5.11	Providing and laying in position cast iron flanged spigot (tail piece) [Conform to IS 1538]	Unit		
			80mm diameter	Each	763.00	825.00
			100mm diameter	Each	902.00	971.00
			125mm diameter	Each	1180.00	1318.00
			150mm diameter	Each	1457.00	1596.00
			200mm diameter	Each	2429.00	2706.00
			250mm diameter	Each	3261.00	3678.00
			300mm diameter	Each	4163.00	4718.00
			350mm diameter	Each	5443.00	6088.00
			400mm diameter	Each	6589.00	7448.00
			450mm diameter	Each	7806.00	8809.00
			500mm diameter	Each	9310.00	10456.00
			600mm diameter	Each	14395.00	16257.00
			700mm diameter	Each	18692.00	21127.00
			750mm diameter	Each	21199.00	23920.00
			800mm diameter	Each	24135.00	26857.00
			900mm diameter	Each	29507.00	32586.00

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S. No	USOR Chapter No.	USOR Item No.	Particulars of Item in USOR	Unit	Medium Class	Heavy Class
			1000mm diameter	Each	35952.00	39533.00
			1100mm diameter	Each	54573.00	58584.00
			1200mm diameter	Each	64958.00	69255.00
S. No	USOR Chapter No.	USOR Item No.	Particulars of Item in USOR	Unit	Amended USOR Rate Per Meter	
9	5	5.12	Providing and laying in position cast iron double flanged 90° bends [Conform to IS 1538]	Unit	Medium Class	Heavy Class
			80mm diameter	Each	859.00	931.00
			100mm diameter	Each	1146.00	1218.00
			125mm diameter	Each	1504.00	1647.00
			150mm diameter	Each	2077.00	2220.00
			200mm diameter	Each	3223.00	3509.00
			250mm diameter	Each	4655.00	5157.00
			300mm diameter	Each	6446.00	7162.00
			350mm diameter	Each	9083.00	10117.00
			400mm diameter	Each	11964.00	13367.00
			450mm diameter	Each	14844.00	16690.00
			500mm diameter	Each	19053.00	21416.00
			600mm diameter	Each	28949.00	32641.00
			700mm diameter	Each	41799.00	47190.00
			750mm diameter	Each	49331.00	55756.00
			800mm diameter	Each	58267.00	65726.00
			900mm diameter	Each	78502.00	87068.00
			1000mm diameter	Each	103980.00	114023.00
			1100mm diameter	Each	133962.00	145335.00
			1200mm diameter	Each	170296.00	182703.00

S. No	USOR Chapter No.	USOR Item No.	Details of item in USOR	Unit	Amended USOR Rate Per Meter
10	5	5.13	Providing and laying in position cast iron double flanged 45° bends [Conform to IS 1538]		Heavy Class
			80mm diameter	Each	1003.00
			100mm diameter	Each	1289.00
			125mm diameter	Each	1790.00
			150mm diameter	Each	2435.00
			200mm diameter	Each	3867.00
			250mm diameter	Each	5729.00
			300mm diameter	Each	8021.00
			350mm diameter	Each	8493.00
			400mm diameter	Each	11004.00
			450mm diameter	Each	13662.00
			500mm diameter	Each	17059.00
			600mm diameter	Each	25256.00
			700mm diameter	Each	35817.00

			Unit	Amended USOR Rate Per Meter
				Heavy Class
		750mm diameter	Each	42242.00
		800mm diameter	Each	49257.00
		900mm diameter	Each	64101.00
		1000mm diameter	Each	83080.00
		1100mm diameter	Each	104940.00
		1200mm diameter	Each	130787.00

S. No.	USOR Chapter No.	USOR Item No.	Particulars of Item in USOR	Unit	Amended USOR Rate Per Meter	
11	5	5.14	Providing and laying in position cast iron double flanged 90° Duck Foot Bend. [Conform to IS 1538]	Unit	Medium Class	Heavy Class
			80mm diameter	Each	1432.00	1504.00
			100mm diameter	Each	1790.00	1862.00
			125mm diameter	Each	2435.00	2578.00
			150mm diameter	Each	3223.00	3366.00
			200mm diameter	Each	5013.00	5300.00
			250mm diameter	Each	7448.00	7950.00
			300mm diameter	Each	10456.00	11172.00
			350mm diameter	Each	15216.00	16281.00
			400mm diameter	Each	19933.00	21379.00
			450mm diameter	Each	24726.00	26628.00
			500mm diameter	Each	31497.00	33932.00
			600mm diameter	Each	47702.00	51506.00
S. No.	USOR Chapter No.	USOR Item No.	Particulars of Item in USOR	Unit	Amended USOR Rate Per Meter	
12	5	5.15	Providing and laying in position cast iron all flanged Tees (all sizes in mm) Body x Branch. [Conform to IS 1538]		Medium Class	Heavy Class
			80x80	Each	1455.00	1527.00
			100x80	Each	1673.00	1818.00
			100x100	Each	1746.00	1891.00
			125x80	Each	2109.00	2327.00
			125x100	Each	2327.00	2473.00
			125x125	Each	2400.00	2618.00
			150x80	Each	2764.00	2982.00
			150x100	Each	2837.00	3055.00
			150x125	Each	2982.00	3273.00
			150x150	Each	3128.00	3418.00
			200x80	Each	4073.00	4509.00

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S. No	USOR Chapter No.	USOR Item No.	Particulars of Item in USOR	Unit	Amended USOR Rate Per Meter	
					Medium Class	Heavy Class
			200x100	Each	4146.00	4582.00
			200x125	Each	4364.00	4800.00
			200x150	Each	4509.00	4946.00
			200x200	Each	4873.00	5382.00
			250x80	Each	5819.00	6473.00
			250x100	Each	5891.00	6546.00
			250x125	Each	6110.00	6764.00
			250x150	Each	6328.00	6982.00
			250x200	Each	6691.00	7419.00
			250x250	Each	7201.00	7928.00
			300x80	Each	7928.00	8874.00
			300x100	Each	8073.00	9019.00
			300x125	Each	8219.00	9164.00
			300x150	Each	8437.00	9383.00
			300x200	Each	8874.00	9892.00
			300x250	Each	9383.00	10401.00
			300x300	Each	9892.00	10983.00
			350x200	Each	11395.00	12669.00
			350x250	Each	11694.00	12969.00
			350x300	Each	12744.00	14093.00
			350x350	Each	13119.00	14618.00
			400x200	Each	14168.00	15818.00
			400x250	Each	14468.00	16117.00
			400x300	Each	15593.00	17392.00
			400x350	Each	16042.00	17917.00
			400x400	Each	16567.00	18441.00
			450x250	Each	17392.00	19491.00
			450x300	Each	18516.00	20765.00
			450x350	Each	18966.00	21290.00
			450x400	Each	19416.00	21740.00
			450x450	Each	19866.00	22190.00
			500x250	Each	21065.00	23614.00
			500x300	Each	22339.00	25038.00
			500x350	Each	22864.00	25638.00
			500x400	Each	23389.00	26163.00
			500x450	Each	23839.00	26687.00
			500x500	Each	24364.00	27212.00
			600x300	Each	31035.00	34934.00
			600x350	Each	31785.00	35608.00

S. No.	USOR Chapter No.	USOR Item No.	Particulars of Item in USOR	Unit	Amended USOR Rate Per Meter	
					Medium Class	Heavy Class
			600x400	Each	32385.00	36358.00
			600x450	Each	32835.00	36883.00
			600x500	Each	33359.00	37407.00
			600x600	Each	34559.00	38682.00
			700x350	Each	42730.00	48127.00
			700x400	Each	43330.00	48802.00
			700x450	Each	44004.00	49477.00
			700x500	Each	44604.00	50151.00
			700x600	Each	45803.00	51426.00
			700x700	Each	47378.00	53000.00
			750x400	Each	49627.00	55924.00
			750x450	Each	50226.00	56523.00
			750x500	Each	51051.00	57423.00
			750x600	Each	52025.00	58397.00
			750x700	Each	53000.00	59372.00
			750x750	Each	53975.00	60347.00
			800x400	Each	59673.00	67191.00
			800x450	Each	60300.00	67896.00
			800x500	Each	61004.00	68679.00
			800x600	Each	62492.00	70245.00
			800x700	Each	63980.00	71733.00
			800x750	Each	64842.00	72673.00
			800x800	Each	65860.00	73691.00
			900x450	Each	75649.00	85438.00
			900x500	Each	76745.00	86612.00
			900x600	Each	78311.00	88335.00
			900x700	Each	79877.00	89980.00
			900x750	Each	80817.00	90919.00
			900x800	Each	81757.00	91859.00
			900x900	Each	83088.00	93190.00
			1000x500	Each	99142.00	109322.00
			1000x600	Each	101021.00	111045.00
			1000x700	Each	103214.00	113238.00
			1000x750	Each	104076.00	114099.00
			1000x800	Each	104937.00	114961.00
			1000x900	Each	106190.00	116214.00
			1000x1000	Each	108461.00	118485.00
			1100x600	Each	124828.00	134852.00
			1100x700	Each	126786.00	136810.00
			1100x750	Each	127960.00	137984.00

30

S. No.	USOR Chapter No.	USOR Item No.	Particulars of Item in USOR	Unit	Amended USOR Rate Per Meter	
					Medium Class	Heavy Class
			1100x800	Each	128900.00	138924.00
			1100x900	Each	129213.00	139237.00
			1100x1000	Each	129997.00	140020.00
			1100x1100	Each	132659.00	142683.00
			1200x600	Each	155448.00	165472.00
			1200x700	Each	157327.00	167351.00
			1200x750	Each	158345.00	168369.00
			1200x800	Each	159598.00	169622.00
			1200x900	Each	160616.00	170640.00
			1200x1000	Each	162261.00	171502.00
			1200x1100	Each	163592.00	172833.00
			1200x1200	Each	167743.00	176983.00
S. No.	USOR Chapter No.	USOR Item No.	Particulars of Item in USOR	Unit	Amended USOR Rate Per Meter	
13	5	5.16	Providing and laying in position cast iron double flanged Tapers (all size in mm) Body x Branch. [Conform to IS 1538]		Medium Class	Heavy Class
			100x80	Each	788.00	859.00
			125x80	Each	1289.00	1432.00
			125x100	Each	1432.00	1576.00
			150x80	Each	1504.00	1647.00
			150x100	Each	1647.00	1790.00
			150x125	Each	1790.00	1934.00
			200x100	Each	2077.00	2220.00
			200x125	Each	2220.00	2435.00
			200x150	Each	2435.00	2650.00
			250x125	Each	2721.00	2936.00
			250x150	Each	2865.00	3151.00
			250x200	Each	3294.00	3581.00
			300x150	Each	3366.00	3653.00
			300x200	Each	3796.00	4154.00
			300x250	Each	4297.00	4655.00
			350x200	Each	5922.00	6522.00
			350x250	Each	6522.00	7197.00
			350x300	Each	7197.00	7946.00
			400x250	Each	7347.00	8171.00
			400x300	Each	8096.00	8996.00

60

S No.	USOR Chapter No.	USOR Item No.	Particulars of Item in USOR	Unit	Amended USOR Rate Per Meter	Medium Class	Heavy Class
			400x350	Each	8921.00	9895.00	
			450x300	Each	8771.00	9745.00	
			450x350	Each	9820.00	10870.00	
			450x400	Each	10720.00	11844.00	
			500x350	Each	10795.00	11994.00	
			500x400	Each	11769.00	13044.00	
			500x450	Each	12594.00	13943.00	
			600x400	Each	14243.00	15743.00	
			600x450	Each	14993.00	16642.00	
			600x500	Each	16192.00	17917.00	
			700x500	Each	19041.00	21065.00	
			700x600	Each	21515.00	23764.00	
			750x600	Each	22939.00	25338.00	
			750x700	Each	25788.00	28487.00	
			800x600	Each	25411.00	27997.00	
			800x700	Each	28302.00	31193.00	
			800x750	Each	29519.00	32562.00	
			900x700	Each	31573.00	34845.00	
			900x750	Each	32943.00	36366.00	
			900x800	Each	35073.00	38649.00	
			1000x800	Each	39410.00	43366.00	
			1000x900	Each	42605.00	46941.00	
			1100x900	Each	47702.00	52039.00	
			1100x1000	Each	52267.00	56604.00	
			1200x1000	Each	58049.00	62386.00	
			1200x1100	Each	62918.00	67255.00	
14	5	5.17	Providing and laying in position all flanged cast iron crosses [Conform to IS 1538]				
			80mm diameter	Each	1818.00	1964.00	
			100mm diameter	Each	2255.00	2473.00	
			125mm diameter	Each	2982.00	3346.00	
			150mm diameter	Each	3928.00	4364.00	
			200mm diameter	Each	6110.00	6764.00	
			250mm diameter	Each	8874.00	9819.00	
			300mm diameter	Each	12001.00	13092.00	

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S. No.	USOR Chapter No.	USOR Item No.	Particulars of Item in USOR	Unit	Amended USOR Rate Per Meter
15	5	5.18	Providing and laying in position all flanged cast iron blank flanges [Conform to IS 1538]		Heavy Class
			80mm diameter	Each	347.00
			100mm diameter	Each	416.00
			125mm diameter	Each	555.00
			150mm diameter	Each	763.00
			200mm diameter	Each	1110.00
			250mm diameter	Each	1596.00
			300mm diameter	Each	2220.00
			350mm diameter	Each	3080.00
			400mm diameter	Each	3939.00
			450mm diameter	Each	4798.00
			500mm diameter	Each	6088.00
			600mm diameter	Each	9024.00
			700mm diameter	Each	12676.00
			750mm diameter	Each	14825.00
			800mm diameter	Each	17546.00
			900mm diameter	Each	22416.00
			1000mm diameter	Each	29077.00
			1100mm diameter	Each	36096.00
			1200mm diameter	Each	44690.00

Encl:- Nil

Endt. No. 7441 T.S./ENC/PHED/ Raipur

Copy is forwarded to :-

1. Secretary, Govt. of Chhattisgarh, Public Health Engineering Department, Mantralaya Raipur.
2. Engineer- in-Chief, PWD/Water Resources Department, Raipur .
3. The Accountant General, Chhattisgarh, Near Vidhan Sabha, Raipur.
4. The Chief Technical Examiner, Computer Bhawan in campus of office of the EE,MRP, Raipur.
5. The All Chief Engineer, Zone Raipur / Bilaspur / Jagdalpur.
6. All Superintending Engineer, PHED Circle Raipur /Bilaspur / Jagdalpur / Durg /Ambikapur.
Superintending Engineer (E/M) Raipur.
7. All Exccutive Engineer, Civil / E/M.

Encl:- Nil

B. B. B. B.
12-12-13
Engineer- in-Chief
Public Health Engineering Department
Chhattisgarh, Raipur

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