

DELHI JAL BOARD: DELHI SARKAR
OFFICE OF EE (PLANNING) WATER-II
VARUNALAYA PHASE-I, KAROL BAGH, NEW DELHI

No. DJB/ EE (PLG) W-II /RAs/ 2022/ **145**

Dated: 11.04.2022

CIRCULAR

Subject:- The rates of following non-schedule items on water side converted/updated based on CPWD DSR-2021 are circulated for adoption in the department (DJB) to provide uniform basis for preparation of estimates etc. This is in continuation to Circular No. DJB/ EE (PLG) W-II /RAs/ 2022/138 dt. 04.04.2022

Item No.	Description of Items	Unit	Rate in Rs.
1	Providing, Supplying, Installation at site ISI Mark Cast Iron sluice valves with EPDM rubber gaskets, rubber sheet and MS nuts & bolts as per requirements, field testing and commissioning complete as per specifications, including all cost of material, providing flange joints two number, labour required, transportation upto site, loading, unloading & stacking etc. as per IS 14845 complete specifications or as directed by Engineer- in-charge. PN 1.0.		
(i)	350 mm	each	76134.35
(ii)	400 mm	each	99925.40
(iii)	450 mm	each	119529.25
(iv)	500 mm	each	161828.50
(v)	600 mm	each	229329.25
2	Providing, Supplying, Installation at site ISI Mark Ductile iron sluice valves with EPDM rubber gaskets, rubber sheet and MS nuts & bolts as per requirements, field testing and commissioning complete as per specifications, including all cost of material, providing flange joints two number, labour required, transportation upto site, loading, unloading & stacking etc. as per IS 14846 specifications or as directed by Engineer-in-charge. PN 1.0.		
(i)	350 mm	each	214399.50
(ii)	400 mm	each	350278.80
(iii)	450 mm	each	464086.55

(iv)	500 mm	each	527152.35
(v)	600 mm	each	797284.20
3	Providing & fixing fire hydrant of size 63 mm of approval brand with bolts and nuts and rubber insertion etc complete (tail pieces if required will be paid separately)	each	7281.35
4	Providing and fixing G.I Pipes (medium) with fittings for external works including trenching and refilling complete in all respect as directed by Engineer-In-Charge.		
(i)	100 mm dia	Rm	2129.20
(ii)	150 mm dia	Rm	3227.55
5	Providing, laying and jointing Medium Density Polyethylene (MDPE) pipes conforming to latest ISO 4427 including fittings conforming to latest ISO 14236 manufactured from virgin resin of minimum PE 80 Food grade compounded raw material having Blue Colour and having pressure rating PN16, with quality assurance certificate from agencies as approved by Engineer-in-charge, for usage in Drinking Water complete in all respect as per direction of Engineer-in-charge.		
a)	20 mm nominal outer diameter (OD)	Rm	33.50
b)	25 mm nominal outer diameter (OD)	Rm	53.25
c)	32 mm nominal outer diameter (OD)	Rm	82.70
d)	40 mm nominal outer diameter (OD)	Rm	128.90
e)	50 mm nominal outer diameter (OD)	Rm	199.80
f)	63 mm nominal outer diameter (OD)	Rm	318.85
g)	75 mm nominal outer diameter (OD)	Rm	448.10
h)	90 mm nominal outer diameter (OD)	Rm	646.20
6	Ultrasonic testing of welded joints by NDT level II qualified Engineers' and reporting at site.	Rm	Rs. 200.00
7	DISMANTLING JOINTS		
	Providing and Fixing Mild Steel Dismantling Joints of pressure rating PN 1.6 with both side flange end suitable for installation in between flange end pipes.		
i.	100 mm nominal dia	each	7364.35
ii.	125 mm nominal dia	each	8733.50
iii.	150 mm nominal dia	each	11472.50
iv.	200 mm nominal dia	each	14348.05
v.	250 mm nominal dia	each	21121.30
vi.	300 mm nominal dia	each	25331.30
vii.	350 mm nominal dia	each	35298.15
viii.	400 mm nominal dia	each	47091.70

ix.	450 mm nominal dia	each	55654.45
x.	500 mm nominal dia	each	67181.55
xi.	600 mm nominal dia	each	82525.25
xii.	700 mm nominal dia	each	107792.70
xiii.	800 mm nominal dia	each	140940.05
xiv.	900 mm nominal dia	each	157916.95
xv.	1000 mm nominal dia	each	204853.90
xvi.	1100 mm nominal dia	each	262108.90
xvii.	1200 mm nominal dia	each	322483.30
xviii.	1400 mm nominal dia	each	465923.55
xix.	1500 mm nominal dia	each	529421.10
8.	EXPANSION JOINTS (BELLOWS)		
	Providing and Fixing Expansion Joints of pressure rating PN 1.6 with SA240 TP 304 bellows, SA240 TP 304 inner protective sleeve, flange joints, IS 2062 Gr B fix flanges and lugs, etc including all cost of material, labour required, transportation upto site, loading, unloading & stacking, complete as per specifications or as directed by Engineer-In-Charge.		
	100 mm nominal dia	each	5775.10
	150 mm nominal dia	each	7190.25
	200 mm nominal dia	each	8944.50
	250 mm nominal dia	each	12402.25
	300 mm nominal dia	each	20016.85
	350 mm nominal dia	each	23432.85
	400 mm nominal dia	each	39950.10
	450 mm nominal dia	each	42904.35
	500 mm nominal dia	each	47528.40
	600 mm nominal dia	each	69888.80
	700 mm nominal dia	each	102322.20
	750 mm nominal dia	each	113916.40
	800 mm nominal dia	each	162867.10
	900 mm nominal dia	each	180576.35
	1000 mm nominal dia	each	200381.40
	1100 mm nominal dia	each	219035.05
	1200 mm nominal dia	each	241311.40
	1400 mm nominal dia	each	270060.30
	1500 mm nominal dia	each	300060.85
9	Cast Iron Detachable (CID) Joint		
	Providing and laying cast iron detachable joints to asbestos cement pressure pipes and plain ended Class 15 C.I. specials with collars rubber rings, flanges, bolts and nuts etc. complete, including testing of joints.		

(i)	100 mm diameter pipe		865.30
(ii)	150 mm diameter pipe		1078.55
(iii)	200 mm diameter pipe		1762.00
(iv)	250 mm diameter pipe		2319.65
(v)	300 mm diameter pipe		2791.20
10(A)	Providing Mild Steel Pipes fabricated/ manufactured out of MS plates of steel grade Fe 410 as per IS : 3589 – 2001 or out of HR coils of same/ equivalent grade; internally lined with cement mortar confirming to IS 3589:2001; and having external/outside epoxy coating; complete in all respect; with upto date amendments in relevant IS codes and as directed by Engineer-In-Charge.		
(a)	150 mm nominal dia (clear internal dia.) pipe of 4.5 mm thickness (min.), 6 mm internal cement mortar lining and outside epoxy coating.	meter	2081.10
(b)	200 mm nominal dia (clear internal dia.) pipe of 5 mm thickness (min.), 6 mm internal cement mortar lining and outside epoxy coating.	meter	2954.75
(c)	250 mm nominal dia (clear internal dia.) pipe of 5 mm thickness (min.), 6 mm internal cement mortar lining and outside epoxy coating.	meter	3636.65
(d)	300 mm nominal dia (clear internal dia.) pipe of 5 mm thickness (min.), 6 mm internal cement mortar lining and outside epoxy coating.	meter	4325.45
(e)	350 mm nominal dia (clear internal dia.) pipe of 6 mm thickness (min.), 7 mm internal cement mortar lining and outside epoxy coating.	meter	5920.45
(f)	400 mm nominal dia (clear internal dia.) pipe of 6 mm thickness (min.), 7 mm internal cement mortar lining and outside epoxy coating.	meter	6732.65
(g)	450 mm nominal dia (clear internal dia.) pipe of 6 mm thickness (min.), 7 mm internal cement mortar lining and outside epoxy coating.	meter	7543.35
(h)	500 mm nominal dia (clear internal dia.) pipe of 6 mm thickness (min.), 7 mm internal cement mortar lining and outside epoxy coating.	meter	8337.75
(i)	600 mm nominal dia (clear internal dia.) pipe of 8 mm thickness (min.), 7 mm internal cement mortar lining and outside epoxy coating.	meter	12659.95
(j)	700 mm nominal dia (clear internal dia.) pipe of 8 mm thickness (min.), 9 mm internal cement mortar lining and outside epoxy coating.	meter	15063.70
(k)	800 mm nominal dia (clear internal dia.) pipe of	meter	17132.30

	8 mm thickness (min.), 9 mm internal cement mortar lining and outside epoxy coating.		
(l)	900 mm nominal dia (clear internal dia.) pipe of 10 mm thickness (min.), 9 mm internal cement mortar lining and outside epoxy coating.	meter	23256.15
(m)	1000 mm nominal dia (clear internal dia.) pipe of 10 mm thickness (min.), 9 mm internal cement mortar lining and outside epoxy coating.	meter	25783.90
(n)	1050 mm nominal dia (clear internal dia.) pipe of 10 mm thickness (min.), 9 mm internal cement mortar lining and outside epoxy coating.	meter	27036.95
(o)	1100 mm nominal dia (clear internal dia.) pipe of 10 mm thickness (min.), 9 mm internal cement mortar lining and outside epoxy coating.	meter	28280.85
(p)	1200 mm nominal dia (clear internal dia.) pipe of 12 mm thickness (min.), 12 mm internal cement mortar lining and outside epoxy coating.	meter	37293.05
(q)	1400 mm nominal dia (clear internal dia.) pipe of 12 mm thickness (min.), 12 mm internal cement mortar lining and outside epoxy coating.	meter	43339.50
(r)	1500 mm nominal dia (clear internal dia.) pipe of 12 mm thickness (min.), 12 mm internal cement mortar lining and outside epoxy coating.	meter	46347.95
10 (B)	Providing Mild Steel Pipes fabricated/ manufactured out of MS plates of steel grade Fe 410 as per IS : 3589 – 2001; internally lined with cement mortar confirming to IS 3589:2001; and having external/outside epoxy coating; complete in all respect; with upto date amendments in relevant IS codes and as directed by Engineer-In-Charge.		
(a)	1600 mm nominal dia (clear internal dia.) pipe of 16 mm thickness (min.), 12 mm internal cement mortar lining and outside epoxy coating.	meter	63526.20
(b)	1800 mm nominal dia (clear internal dia.) pipe of 16 mm thickness (min.), 12 mm internal cement mortar lining and outside epoxy coating.	meter	71270.90
11(A).	Providing Mild Steel Specials fabricated/ manufactured out of MS plate of steel grade Fe 410 as per IS 3589:2001 or out of HR coils of same/equivalent grade; internally lined with cement mortar confirming to IS 3589:2001; and having external/outside epoxy coating; complete in all respect; with up to date amendments in relevant IS codes and as directed by Engineer-In-		

	Charge.		
(a)	150 mm nominal dia (clear internal dia) specials of 4.5 mm thickness (min), 6 mm internal cement mortar lining and outside epoxy coating.	Kilogram	84.60
(b)	200 mm nominal dia (clear internal dia) specials of 5 mm thickness (min.), 6 mm internal cement mortar lining and outside epoxy coating.	Kilogram	84.80
(c)	250 mm nominal dia (clear internal dia) specials of 5 mm thickness (min.), 6 mm internal cement mortar lining and outside epoxy coating.	Kilogram	84.65
(d)	300 mm nominal dia (clear internal dia) specials of 5 mm thickness (min.), 6 mm internal cement mortar lining and outside epoxy coating.	Kilogram	84.65
(e)	350 mm nominal dia (clear internal dia) specials of 6 mm thickness (min.), 7 mm internal cement mortar lining and outside epoxy coating.	Kilogram	83.30
(f)	400 mm nominal dia (clear internal dia) specials of 6 mm thickness (min.), 7 mm internal cement mortar lining and outside epoxy coating.	Kilogram	83.35
(g)	450 mm nominal dia (clear internal dia) specials of 6 mm thickness (min.), 7 mm internal cement mortar lining and outside epoxy coating.	Kilogram	83.40
(h)	500 mm nominal dia (clear internal dia) specials of 6 mm thickness (min.), 7 mm internal cement mortar lining and outside epoxy coating.	Kilogram	83.25
(i)	600 mm nominal dia (clear internal dia) specials of 8 mm thickness (min.), 7 mm internal cement mortar lining and outside epoxy coating.	Kilogram	84.15
(j)	700 mm nominal dia (clear internal dia) specials of 8 mm thickness (min.), 9 mm internal cement mortar lining and outside epoxy coating.	Kilogram	81.45
(k)	800 mm nominal dia (clear internal dia) specials of 8 mm thickness (min.), 9 mm internal cement mortar lining and outside epoxy coating.	Kilogram	81.35
(l)	900 mm nominal dia (clear internal dia) specials of 10 mm thickness (min.), 9 mm internal cement mortar lining and outside epoxy coating.	Kilogram	82.40
(m)	1000 mm nominal dia (clear internal dia) specials of 10 mm thickness (min.), 9 mm internal cement mortar lining and outside epoxy coating.	Kilogram	82.40
(n)	1050 mm nominal dia (clear internal dia) specials of 10 mm thickness (min.), 9 mm internal cement mortar lining and outside epoxy coating.	Kilogram	82.40

(o)	1100 mm nominal dia (clear internal dia) specials of 10 mm thickness (min.), 9 mm internal cement mortar lining and outside epoxy coating.	Kilogram	82.35
(p)	1200 mm nominal dia (clear internal dia) specials of 12 mm thickness (min.), 12 mm internal cement mortar lining and outside epoxy coating.	Kilogram	80.95
(q)	1400 mm nominal dia (clear internal dia) specials of 12 mm thickness (min.), 12 mm internal cement mortar lining and outside epoxy coating.	Kilogram	80.90
(r)	1500 mm nominal dia (clear internal dia) specials of 12 mm thickness (min.), 12 mm internal cement mortar lining and outside epoxy coating.	Kilogram	80.85
11(B).	Providing Mild Steel Specials fabricated/ manufactured out of MS plate of steel grade Fe 410 as per IS 3589:2001; internally lined with cement mortar confirming to IS 3589:2001; and having external/outside epoxy coating; complete in all respect; with up to date amendments in relevant IS codes and as directed by Engineer-In-Charge.		
(a)	1600 mm nominal dia (clear internal dia) specials of 16 mm thickness (min.), 12 mm internal cement mortar lining and outside epoxy coating.	Kilogram	82.15
(b)	1800 mm nominal dia (clear internal dia) specials of 16 mm thickness (min.), 12 mm internal cement mortar lining and outside epoxy coating.	Kilogram	82.10
12 (A)	Providing Mild Steel Pipes fabricated/ manufactured out of MS plate of steel grade Fe 410 as per IS 3589:2001 or out of HR coils of same/equivalent grade; coated internally with food grade epoxy and externally/ outside with epoxy coating; complete in all respect; with up to date amendments in relevant IS codes and as directed by Engineer-In-Charge.		
(a)	150 mm nominal dia (clear internal dia.) pipes of 4.5 mm thickness (min.), internally coated with food grade epoxy coating and external/outside epoxy coating	meter	1912.05
(b)	200 mm nominal dia (clear internal dia.) pipes of 5 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	meter	2761.65
(c)	250 mm nominal dia (clear internal dia.) pipes of 5 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	meter	3440.60

(d)	300 mm nominal dia (clear internal dia.) pipes of 5 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	meter	4110.85
(e)	350 mm nominal dia (clear internal dia.) pipes of 6 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	meter	5568.90
(f)	400 mm nominal dia (clear internal dia.) pipes of 6 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	meter	6358.25
(g)	450 mm nominal dia (clear internal dia.) pipes of 6 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	meter	7140.60
(h)	500 mm nominal dia (clear internal dia.) pipes of 6 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	meter	7923.10
(i)	600 mm nominal dia (clear internal dia.) pipes of 8 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	meter	12135.70
(j)	700 mm nominal dia (clear internal dia.) pipes of 8 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	meter	14127.00
(k)	800 mm nominal dia (clear internal dia.) pipes of 8 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	meter	16111.85
(l)	900 mm nominal dia (clear internal dia.) pipes of 10 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	meter	22073.45
(m)	1000 mm nominal dia (clear internal dia.) pipes of 10 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	meter	24517.20
(n)	1050 mm nominal dia (clear internal dia.) pipes of 10 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	meter	25728.25
(o)	1100 mm nominal dia (clear internal dia.) pipes	meter	26939.35

	of 10 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating		
(p)	1200 mm nominal dia (clear internal dia.) pipes of 12 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	meter	34595.70
(q)	1400 mm nominal dia (clear internal dia.) pipes of 12 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	meter	40303.40
(r)	1500 mm nominal dia (clear internal dia.) pipes of 12 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	meter	43147.15
12(B)	Providing Mild Steel Pipes fabricated/ manufactured out of MS plate of steel grade Fe 410 as per IS 3589:2001; coated internally with food grade epoxy and externally/ outside with epoxy coating; complete in all respect; with up to date amendments in relevant IS codes and as directed by Engineer-In-Charge.		
(a)	1600 mm nominal dia (clear internal dia.) pipes of 16 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	meter	59960.35
(b)	1800 mm nominal dia (clear internal dia.) pipes of 16 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	meter	67361.65
13(A)	Providing Mild Steel specials fabricated/ manufactured out of MS plate of steel grade Fe 410 as per IS 3589:2001 or out of HR coils of same/equivalent grade; coated internally with food grade epoxy and externally/ outside with epoxy coating; complete in all respect; with up to date amendments in relevant IS codes and as directed by Engineer-In-Charge.		
(a)	150 mm nominal dia (clear internal dia.) specials of 4.5 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	kilogram	111.50
(b)	200 mm nominal dia (clear internal dia.) specials of 5 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	kilogram	109.25

(c)	250 mm nominal dia (clear internal dia.) specials of 5 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	kilogram	109.45
(d)	300 mm nominal dia (clear internal dia.) specials of 5 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	kilogram	109.30
(e)	350 mm nominal dia (clear internal dia.) specials of 6 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	kilogram	105.70
(f)	400 mm nominal dia (clear internal dia.) specials of 6 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	kilogram	105.85
(g)	450 mm nominal dia (clear internal dia.) specials of 6 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	kilogram	105.85
(h)	500 mm nominal dia (clear internal dia.) specials of 6 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	kilogram	105.80
(i)	600 mm nominal dia (clear internal dia.) specials of 8 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	kilogram	101.15
(j)	700 mm nominal dia (clear internal dia.) specials of 8 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	kilogram	101.15
(k)	800 mm nominal dia (clear internal dia.) specials of 8 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	kilogram	101.05
(l)	900 mm nominal dia (clear internal dia.) specials of 10 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	kilogram	98.35
(m)	1000 mm nominal dia (clear internal dia.) specials of 10 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	kilogram	98.45
(n)	1050 mm nominal dia (clear internal dia.)	kilogram	98.40

	specials of 10 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating		
(o)	1100 mm nominal dia (clear internal dia.) specials of 10 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	kilogram	98.40
(p)	1200 mm nominal dia (clear internal dia.) specials of 12 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	kilogram	96.45
(q)	1400 mm nominal dia (clear internal dia.) specials of 12 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	kilogram	96.45
(r)	1500 mm nominal dia (clear internal dia.) specials of 12 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	kilogram	96.45
13(B)	Providing Mild Steel specials fabricated/ manufactured out of MS plate of steel grade Fe 410 as per IS 3589:2001; coated internally with food grade epoxy and externally/ outside with epoxy coating; complete in all respect; with up to date amendments in relevant IS codes and as directed by Engineer-In-Charge.		
(a)	1600 mm nominal dia (clear internal dia.) specials of 16 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	kilogram	94.05
(b)	1800 mm nominal dia (clear internal dia.) specials of 16 mm thickness (min.) internally coated with food grade epoxy coating and external/outside epoxy coating	kilogram	94.00
14(A)	Providing Mild Steel Pipes fabricated/ manufactured out of MS plate of steel grade Fe 410 as per IS 3589:2001 or out of HR coils of same/ equivalent grade; internally lined with cement mortar lining confirming to IS 3589:2001; and having external/outside 4 mm coal tar coating and wrapping confirming to IS: 10221-2008; complete in all respect; with up to date amendments in relevant IS codes and as directed by Engineer-In-Charge.		
(a)	150 mm nominal dia (clear internal dia) pipes of 4.5mm thickness (min) and 6 mm thick internal	meter	2267.15

