महाराष्ट्र जीवन प्राधिकरण

मुख्य अभियंता, पुणे प्रादेशिक विभाग,पुणे
नवीन प्रशासकीय इमारत, पुणे लष्कर पा.पु. केंद्रआवार,
४६३ स्टेव्हली रोड, सेंट मेरी चर्च शेजारी, कँप, पुणे-४११००१
दूरध्वनी : कार्यालयीन ०२०- २९७०६०६४/२९७०६०६८
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जा.क्र.मु.अ.(पुणे)/चिशा/दरसुची २०२१-२२/शुध्दीपत्रक/ २४७१ /२०२१ दि. २९ डिसेंबर २०२१

शुध्दीपत्रक क्र. ६

विषय :- मजीप्राच्या सन २०२१-२२ च्या दरसुचीमध्ये PPR - C (Poly Propylene Random Co poloymer) पाईप्स आणि फिटिंग्सचा समावेश करण्याबाबत

संदर्भ :- या कार्यालयाव्दारे डॉकेट स्वरुपात (जा.क्र.मु.अ.(पुणे)/तांशा-२/१६९२ दि. २३/०९/२०२१) सादर केलेल्या प्रस्तावास, सदस्य सचिव कार्यालयाच्या टिप्पणी दि. ०७/१२/२०२१ व्दारे मिळालेली मान्यता

मजीप्राची पुणे प्रादेशिक विभागाची सन २०२१-२२ ची दरसुची दि. १५/०६/२०२१ पासून लागू करण्यात आली आहे. PPR - C (Poly Propylene Random Co Polymor) पाईप्स आणि फिटिंग्सचा समावेश करण्यास मान्यता प्राप्त झाली आहे. त्याअनुषंगाने सन २०२१-२२ च्या दरसुचीमध्ये शुध्दीपत्रक क्र. ६ व्दारे बाबीचा समावेश करण्याची माहिती खालीलप्रमाणे आहे.

Sr. No	Description of Item	UNIT	RATE (in Rs.) 2021-2022	
1	2	3	4	
1.	Providing and supplying 3 Layer PPR C Pipes (Poly Propylene Random Coploymer) in standard length with ISI Mark approved by CBRI (Conformed IS :15801) UV Stabllized and antimicrobial Fusion welding. Rates including transporation and freight charges, inspection charges, loading unloading charges, conveyance to the dpartmental stores and stacking the same excluding GST levied by GOI and GOM in all rspect			
1.	Working Pressure PN10/SDR11/S 5 3 Layer Kg/Sq.cm			
	20 mm	Rmt	55	

1/15

	25 mm	Rmt	83.5	
	32 mm	Rmt	158	
	40 mm	Rmt	198	
	50 mm	Rmt	301	
	63 mm	Rmt	496	
	75 mm	Rmt	667	
	90 mm	Rmt	1040.5	
	110 mm	Rmt	1494.5	
	125 mm	Rmt	2355.5	
	140 mm	Rmt	2787	
	160 mm	Rmt	3217.5	
	180 mm	Rmt	4386.5	
	200 mm	Rmt	5555	
	250 mm	Rmt	8704	
	315 mm	Rmt	14493.5	
	355 mm	Rmt	18419.5	
	400 mm	Rmt	23359	
2	**Working Pressure PN 16/SDR 7.4/S 3.2 3 Layer**			
	16 mm	Rmt	67	
	20 mm	Rmt	70.5	
	25 mm	Rmt	106.5	
	32 mm	Rmt	171.5	
	40 mm	Rmt	275.5	
	50 mm	Rmt	432	
	63 mm	Rmt	699	
	75 mm	Rmt	969	
	90 mm	Rmt	1469.5	
	110 mm	Rmt	2077.5	
	125 mm	Rmt	3277.5	
	140 mm	Rmt	3877	
	160 mm	Rmt	4476.5	

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	180 mm	Rmt	6136	
	200 mm	Rmt	7795.5	
	250 mm	Rmt	12208	
	315 mm	Rmt	17809.5	
3	**Working Pressure PN20/SDR 6/S 2.5 3 Layer**			
	16 mm	Rmt	81	
	20 mm	Rmt	83.5	
	25 mm	Rmt	124.5	
	32 mm	Rmt	204.5	
	40 mm	Rmt	316.5	
	50 mm	Rmt	507	
	63 mm	Rmt	812	
	75 mm	Rmt	1139	
	90 mm	Rmt	1646	
	110 mm	Rmt	2463	
	125 mm	Rmt	3841	
	160 mm	Rmt	5219.5	
	200 mm	Rmt	9354.5	

The rate like lowering, laying, hydraulic testing etc of PPR C Pipes are same as per HDPE Pipe with respect of its PN rating mentioned in SSR of MJP.

Sr.no	Descripton Of Item	UNIT	RATE (in RS.) 2021-2022	
1	2	3	4	
2.	Providing and supplying Fusion Welding PPR Fittings as per IS 15801 approved by CBRI and compatible to PPR C Pipes (Poly Propylene Random CoPolymor) Rates including transporation, Internal testing, loading, unloading , excluding GST levied by GOI and GOM in all aspect)			
1.	**Coupling**			
	16	No.	11.5	
	20	No.	12.5	
	25	No.	17.5	
	32	No.	27.5	
	40	No.	48	
	50	No.	65.5	
	63	No.	145	

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	75	No.	207.5	
	90	No.	424	
	110	No.	630.5	
	160	No.	1324.5	
2.	**Plain Elbow 90°**			
	16	No.	13	
	20	No.	14.5	
	25	No.	22	
	32	No.	36.5	
	40	No.	58	
	50	No.	144	
	63	No.	297	
	75	No.	453	
	90	No.	779.5	
	110	No.	1195.5	
	125	No.	2125	
	140	No.	2595.5	
	160	No.	3066.5	
	180	No.	3914.5	
	200	No.	8256.5	
3.	**Plain Elbow 45°**			
	20	No.	16.5	
	25	No.	27.5	
	32	No.	43	
	40	No.	66	
	50	No.	127	
	63	No.	271	
	75	No.	557	
	90	No.	809.5	
	110	No.	1495.5	
	125	No.	2278.5	
	160	No.	3073	
4.	**Equal Tee**			
	16	No.	20.5	
	20	No.	22	
	25	No.	29.5	
	32	No.	59	
	40	No.	93	
	50	No.	157	
	63	No.	407	
	75	No.	518.5	
	90	No.	1000.5	
	110	No.	1627.5	
	125	No.	2827	
	140	No.	3433.5	
	160	No.	4040.5	

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	180	No.	4846	
5.	**Reducer**			
	20/16	No.	16	
	25/16	No.	16.5	
	25/20	No.	19.5	
	32/20	No.	26	
	32/25	No.	27.5	
	40/20	No.	36.5	
	40/25	No.	37.5	
	40/32	No.	38.5	
	50/20	No.	53	
	50/25	No.	54	
	50/32	No.	56	
	50/40	No.	61	
	63/20	No.	91.5	
	63/25	No.	94.5	
	63/32	No.	98	
	63/40	No.	102	
	63/50	No.	109	
	75/63	No.	208	
	75/50	No.	218.5	
	75/40	No.	229.5	
	75/32	No.	241	
	75/25	No.	253	
	75/20	No.	265.5	
	90/75	No.	377	
	90/63	No.	292.5	
	90/50	No.	307.5	
	90/40	No.	322.5	
	90/32	No.	339	
	90/25	No.	466	
	90/20	No.	356	
	110/90	No.	621	
	110/75	No.	652	
	110/63	No.	684	
	110/50	No.	719	
	110/40	No.	754.5	
	110/32	No.	792	
	110/25	No.	831	
	110/20	No.	858	
	125/110	No.	1232.5	
	125/90	No.	1222.5	
	125/75	No.	1253.5	
	125/63	No.	1286	
	125/50	No.	1320.5	
	125/40	No.	1356.5	
	125/32	No.	1393.5	
	125/25	No.	1433	

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	125/20	No.	1459	
	160/110	No.	1209	
	160/90	No.	1269.5	
	160/75	No.	1332.5	
	160/63	No.	1399	
	160/50	No.	1469.5	
	160/40	No.	1543	
	160/32	No.	1620.5	
	160/25	No.	1701	
	160/20	No.	1786.5	
6.	**Reducing Elbow**			
	20/16	No.	25	
	25/20	No.	28	
	32/20	No.	43.5	
	32/25	No.	46	
	40/20	No.	73.5	
	40/25	No.	73.5	
	40/32	No.	78	
	50/40	No.	137	
7.	**Reducing Tee**			
	20/16/20	No.	28	
	25/16/25	No.	30.5	
	25/20/25	No.	37	
	32/20/32	No.	66.5	
	32/25/32	No.	68	
	40/20/40	No.	97.5	
	40/25/40	No.	102.5	
	40/32/40	No.	105	
	50/20/50	No.	176.5	
	50/25/50	No.	185	
	50/32/50	No.	188	
	50/40/50	No.	192	
	63/20/63	No.	328	
	63/25/63	No.	331	
	63/32/63	No.	333.5	
	63/40/63	No.	339	
	63/50/63	No.	344.5	
	75/63/75	No.	546	
	75/50/75	No.	573.5	
	75/40/75	No.	602.5	
	75/32/75	No.	632.5	
	75/25/75	No.	664	
	75/20/75	No.	697	
	90/75/90	No.	1016.5	
	90/63/90	No.	1067	
	90/50/90	No.	1120.5	
	90/40/90	No.	1177	

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	90/32/90	No.	1235.5	
	90/25/90	No.	1297	
	90/20/90	No.	1362	
	110/90/110	No.	1652	
	110/75/110	No.	1735.5	
	110/63/110	No.	1821.5	
	110/50/110	No.	1913	
	110/40/110	No.	2008.5	
	110/32/110	No.	2109.5	
	110/25/110	No.	2214.5	
	110/20/110	No.	2325	
	125/110/125	No.	2815	
	125/90/125	No.	2745	
	125/75/125	No.	2775.5	
	125/63/125	No.	2808	
	125/50/125	No.	2843	
	125/40/125	No.	2878.5	
	125/32/125	No.	2915	
	125/25/125	No.	2954.5	
	125/20/125	No.	2981.5	
	160/110/160	No.	4081.5	
	160/90/160	No.	4285	
	160/75/160	No.	4499.5	
	160/63/160	No.	4724.5	
	160/50/160	No.	4960.5	
	160/40/160	No.	5208.5	
	160/32/160	No.	5468.5	
	160/25/160	No.	5742	
	160/20/160	No.	6029.5	
8.	**End Cap**			
	16	No.	11.5	
	20	No.	14	
	25	No.	18	
	32	No.	28	
	40	No.	38.5	
	50	No.	66	
	63	No.	114	
	75	No.	196	
	90	No.	437.5	
	110	No.	613.5	
	160	No.	1524	
	200	No.	1925	
	250	No.	2456	
	315	No.	3193	
9.	**Flange Core (Stub End)**			
	20	No.	118.5	
	25	No.	133	

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	32	No.	148.5	
	40	No.	157	
	50	No.	174.5	
	63	No.	180.5	
	75	No.	193.5	
	90	No.	390.5	
	110	No.	416.5	
	125	No.	755	
	160	No.	1098.5	
10.	**PPR Slip-on Flange**			
	20	No.	307.5	
	25	No.	322.5	
	32	No.	337.5	
	40	No.	379.5	
	50	No.	409	
	63	No.	482.5	
	75	No.	667	
	90	No.	802	
	110	No.	920	
	160	No.	1470	
11.	**Plain Union**			
	20	No.	77.5	
	25	No.	127	
	32	No.	240	
	40	No.	303	
	50	No.	601	
	63	No.	1034	
12.	**4Way/Cross Tee**			
	16	No.	36	
	20	No.	38.5	
	25	No.	60.5	
	32	No.	80.5	
	40	No.	134	
	50	No.	212	
	63	No.	295	
13.	**Pipe Clamp**			
	16	No.	10.5	
	20	No.	11.5	
	25	No.	12.5	
	32	No.	15.5	
	40	No.	27.5	
	50	No.	36.5	
	63	No.	56	

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14.	**Long Plug**			
	1/2"	No.	12	
	3/4"	No.	16.5	
	1"	No.	17	
15.	**Tank Connector**			
	20	No.	97.5	
	25	No.	171.5	
	32	No.	198	
	40	No.	202	
	50	No.	351	
	63	No.	424.5	
16.	**Ball Valve Plastic (Heavy Body)**			
	20	No.	194.5	
	25	No.	275.5	
	32	No.	458.5	
	40	No.	627	
	50	No.	851.5	
	63	No.	1202.5	
	75	No.	1863.5	
	90	No.	3234	
	110	No.	5862	
17.	**Male Threaded Coupling**			
	16*1/2	No.	107.5	
	20*1/2	No.	109	
	25*1/2	No.	125	
	25*3/4	No.	182.5	
	32*1/2	No.	164.5	
	32*3/4	No.	213.5	
	32*1	No.	271.5	
	40*1-1/4	No.	510	
	50*1-1/2	No.	912	
	63*2	No.	1457	
	75*2-1/2	No.	2130.5	
	90*3	No.	5013.5	
	110*4	No.	6504	
18.	**Female Threaded Coupling**			
	16*1/2	No.	71	
	20*1/2	No.	78.5	
	25*1/2	No.	88.5	
	25*3/4	No.	155	
	32*1/2	No.	130.5	
	32*3/4	No.	181.5	
	32*1	No.	230	
	40*1-1/4	No.	391.5	
	50*1-1/2	No.	649.5	

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	50*2	No.	1066	
	63*2	No.	1101	
	75*2-1/2	No.	2413	
	90*3	No.	4568	
	110*4	No.	6198.5	
19.	**Female Threaded Tee**			
	16*1/2	No.	75	
	20*1/2	No.	80.5	
	25*1/2	No.	98.5	
	25*3/4	No.	177.5	
	32*1/2	No.	159	
	32*3/4	No.	223.5	
	32*1	No.	277	
	40*1-1/4	No.	416.5	
20.	**Male Thraeded Tee**			
	16*1/2	No.	121.5	
	20*1/2	No.	123	
	25*1/2	No.	136.5	
	25*3/4	No.	208	
	32*1/2	No.	198.5	
	32*3/4	No.	257.5	
	32*1	No.	298.5	
	40-1-1/4	No.	540.5	
21.	**Female Threaded Elbow**			
	16*1/2	No.	71	
	20*1/2	No.	75	
	25*1/2	No.	94	
	25*3/4	No.	153.5	
	32*1/2	No.	149	
	32*3/4	No.	225.5	
	32*1	No.	280.5	
	40*1-1/4	No.	411	
22.	**Male Thraeded Elbow**			
	16*1/2	No.	107.5	
	20*1/2	No.	109	
	25*1/2	No.	131	
	25*3/4	No.	197.5	
	32*1/2	No.	174	
	32*3/4	No.	221.5	
	32*1	No.	275.5	
	40*1-1/4	No.	548.5	
23.	**Gate Valve**			
	20	No.	506	
	25	No.	555.5	

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	32	No.	782.5	
	40	No.	1177	
	50	No.	1447.5	
	63	No.	1959.5	
24.	**Male Threaded Union**			
	20*1/2	No.	368	
	25*3/4	No.	436	
	32*1	No.	672.5	
	40*1-1/4	No.	1051.5	
	50*1-1/2	No.	1961	
	63*2	No.	3138	
25.	**Female Threaded Union**			
	20*1/2	No.	302.5	
	25*3/4	No.	421.5	
	32*1	No.	619.5	
	40*1-1/4	No.	1002	
	50*1-1/2	No.	1681	
	63*2	No.	2882	
26.	**Double Union Ball Valve**			
	20	No.	1054.5	
	25	No.	1438.5	
	32	No.	2385.5	
	40	No.	4907	
	50	No.	7359	
	63	No.	10506.5	
27.	**By Pass Bend**			
	25	No.	103.5	
	32	No.	239.5	
28.	**Female Weld in Saddle**			
	160*1/2	No.	1436	
	110*1/2	No.	1216.5	
	90*1/2	No.	977.5	
	75*1/2	No.	780.5	
	160*3/4	No.	1461.5	
	110*3/4	No.	1237.5	
	90*3/4	No.	991.5	
	75*3/4	No.	792.5	
	63*1/2	No.	488.5	
29.	**Weld in Saddle Reducer**			
	200/63	No.	718.5	
	200/50	No.	754	
	200/40	No.	791.5	
	200/32	No.	830.5	

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	200/25	No.	873	
	200/20	No.	917	
	160/63	No.	610	
	160/50	No.	639.5	
	160/40	No.	671.5	
	160/32	No.	705.5	
	160/25	No.	740.5	
	160/20	No.	777.5	
	110/63	No.	515.5	
	110/50	No.	542	
	110/40	No.	568	
	110/32	No.	597	
	110/25	No.	625.5	
	110/20	No.	657.5	
	90/63	No.	312	
	90/50	No.	328	
	90/40	No.	344.5	
	90/32	No.	361	
	90/25	No.	379.5	
	90/20	No.	398	
30.	**Flanged Ended Ball valve**			
	20	No.	1016.5	
	25	No.	1143.5	
	32	No.	1270.5	
	50	No.	1651.5	
	63	No.	2033	
	75	No.	3049	
	90	No.	4065.5	
	110	No.	7305.5	
	160	No.	20836	
31.	**Reducer**			
	200/160	No.	2439.5	
	200/110	No.	2531	
	200/90	No.	2657.5	
	250/200	No.	3629	
	250/160	No.	3706	
	250/110	No.	3890.5	
	250/90	No.	4085.5	
	315/250	No.	4494	
	315/200	No.	4943.5	
	315/160	No.	5438	
	315/110	No.	5981.5	
32.	**Reducing Tee**			
	200/160	No.	20903	
	200/110	No.	21948.5	
	200/90	No.	23045.5	

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	250/200	No.	30787.5	
	250/160	No.	28986.5	
	250/110	No.	28128.5	
	250/90	No.	27700	
	315/250	No.	32159.5	
	315/200	No.	31302	
	355/250	No.	36447.5	
	355/200	No.	35590	
	315/160	No.	34732.5	
	315/110	No.	33017	
	400/355	No.	45881	
	400/315	No.	45109.5	
	400/200	No.	44251.5	
33.	**Elbow 90°**			
	200	No.	8256.5	
	250	No.	14571.5	
	315	No.	25257.5	
	355	No.	32159.5	
	400	No.	40465.5	
34.	**Elbow 45°**			
	200	No.	7430.5	
	250	No.	13114	
	315	No.	19375.5	
35.	**Equal Tee**			
	200	No.	11222	
	250	No.	24737	
	315	No.	27888	
	355	No.	35383.5	
	400	No.	44505.5	
36.	**Sandwich Flange with Steel Inlay**			
	160	No.	6683	
	200	No.	9389	
	250	No.	11619.5	
	315	No.	14194.5	
37.	**Elbow 90°**			
	200	No.	7445.5	
	250	No.	13401	
	315	No.	18708.5	
	355	No.	23822	
	400	No.	29984	
38.	**Equal Tee**			
	200	No.	9430.5	
	250	No.	22831	

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13/15

	315	No.	25114	
	355	No.	30136.5	
	400	No.	32970	
39.	**Flange Core (Stub End)**			
	200	No.	1277.5	
	250	No.	2178	
	315	No.	3875.5	
	355	No.	5654	
	400	No.	7560	
40.	**Reducing Tee**			
	200/160	No.	15483.5	
	200/110	No.	16258	
	200/90	No.	17071.5	
	250/200	No.	22806	
	250/160	No.	21471.5	
	250/110	No.	20836	
	250/90	No.	20519	
	315/250	No.	23822	
	315/200	No.	23187	
	355/250	No.	26998.5	
	355/200	No.	26363	
	315/160	No.	25728	
	315/110	No.	24457.5	
	400/355	No.	33986	
	400/315	No.	33414	
	400/200	No.	32779	

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राहाणे २८-१२-२०२१

(रा.सा.राहाणे)
अध्यक्ष, दरसुची समिती
तथा मुख्य अभियंता
मजीप्रा प्रादेशिक विभाग, पुणे

प्रत :- मा.सदस्य सचिव, मजीप्रा, मुंबई यांना माहिती करिता सविनय सादर

प्रत :- मुख्य अभियंता, मजीप्रा, प्रादेशिक विभाग ठाणे/नाशिक/औरंगाबाद/अमरावती/ नागपुर यांना माहिती करिता अग्रषित

प्रत :- अधीक्षक अभियंता, मजीप्रा (मुख्यालय) / अधीक्षक अभियंता मध्यवर्ती नियोजन व सनियंत्रण कक्ष, मजीप्रा मुंबई यांना माहितीस्तव

प्रत :- उप अभियंता, अद्यावत तंत्रज्ञान कक्ष, मजीप्रा, मुंबई यांना माहितीस्तव व मजीप्राच्या संकेतस्थळावर Upload करण्यासाठी.

PPR PIPES SPECIFICATION

Material : POLYPROPYLENE RANDOM COPOLYMER (PPR-C)

Colour : Green , Blue, Yellow, Red

Standards : IS 15801: 2008, DIN 8077 for Pipes - Dimension, DIN 8078 for Pipes - General Quality requirement & testing DIN 1988 for drinking water pipes.

BIS : Bureau of Indian Standard 15801

Working Temperature: - 20^{0}C up to 95°C

Working Pressure: PPR PIPES - 10 kg, 16 kg, 20 kg & 25 kg /cm2, PPR FITTINGS - 25 kg /cm2

Range

PN 10 – 20 mm to 400 mm (for cold/ Hot application)
PN 16 - 16mm to 315 mm (Standardized for Hot and Cold Water)
PN 20 - 16mm to 200 mm (Higher Pressure with Higher Temperature) & all relevant Plain & Threaded Fittings.
PN 25 - 16mm to mm (Higher Pressure with Higher Temperature) & all relevant Plain & Threaded Fittings.

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