

## ADDENDA & CORRIGENDUM No. 2 to CSR-2010

ENCLOSURE TO THE MINUTS OF MEETING DIRECTION COMMITTEE OF CHIEF ENGINEER HELD ON 07.02.2013 AT 2:30 P.M. IN COMMITTEE ROOM OF P.R.B.D.B., SCO NO.61-62, PHASE-2, MOHALI.

Sr. No	Page No.	Item No.	Col. No.	Line No.	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
1	65	10.46	1	1	10.46	10.46 (i)	Sr. No. changed
2	65	10.46 (ii)	2	-	New item added	Extra for using concrete mixer volumetric type where not included in the rates .	New item added
3			3			cum	
4			4			75.00	
5			5			75.00	
6			6			75.00	
7			7			75.00	
8	245	24.13	1	1	24.13	24.13 (i)	Sr. No. changed
9	245	24.13 (ii)	2	-	New item added	<b>Water Bound Macadam Grading II (Without Screening for low volume Roads/undesigned roads )</b> Providing, laying, spreading and compacting stone aggregates of grading II to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheeled roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of binding Materials to fill up the interstices of coarse aggregate, watering and compacting to the required density complete as per technical clause 404 of MORT&H specifications.	New item added
10			3			cum	
11			4			212.24	



ANNEXURE-2-B

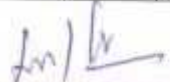
ENCLOSURE TO THE MINUTES OF MEETING DIRECTION COMMITTEE OF CHIEF ENGINEERS HELD ON 07-02-2013  
 AT 2:30 PM. IN COMMITTEE ROOM OF P.R.B.D.B., Sd NO. 61-62, PHASE-2, MOHALI  
**ADDENDA & CORRIGENDUM No. 2 to CSR -2010** Chapter No. 28 Water Supply

Sr No	Page No	Item No	Col. No	Line No	As Existing	To be Amended	Remarks	
1	2	3	4	5	6	7	8	
1	300	28.9 B (A)						
		(a)	5		959.75	818.50	Rate revised as per current Market rate of Material	
			7		965.97	825.47	--do--	
		(b)	5		997.06	938.40	--do--	
			7		1005.14	947.45	--do--	
		(c)	5				Item deleted	
			7					
		(d)	5		1423.07	1328.72	Rate revised as per current Market rate of Material	
		7		1433.95	1340.92	--do--		
	301	28.9 B (B)	(a)	5		1,072.97	923.72	Rate revised as per current Market rate of Material
				7		1079.19	930.68	--do--
			(b)	5		1122.61	1044.85	--do--
				7		1120.69	1053.90	--do--
			(c)	5				Item deleted
			7					

*[Signature]*  
 Superintending Engineer,  
 Pb. Water Supply and Sanitation Circle  
 CHANDIGARH

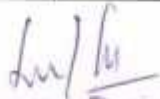
*[Signature]*  
 Chief Engineer (South)  
 Water Supply & Sanitation Deptt. Punjab,  
 Patiala

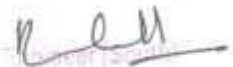
Sr No	Page No	Item No	Col. No	Line No	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
		(d)	5		1571.30	1462.4	Rate revised as per current Market rate of Material
			7		1582.18	1474.58	--do--
2	303	28.12					
		vi	5		1280.27	1214.85	Rate revised as per current Market rate of Material
			7		1282.14	1216.94	--do--
		vii	5		2114.15	1940.69	--do--
			7		2116.50	1943.32	--do--
	304	xiv	5		1714.04	1638.81	--do--
			7		1716.39	1641.44	--do--
3	304	28.13					
	305	i	5		449.81	367.19	Rate revised as per current Market rate of Material
			7		451.06	368.58	--do--
		ii	5		664.61	540.33	--do--
			7		666.19	542.10	--do--
		iii	5		321.25	262.68	--do--
			7		322.50	264.05	--do--

  
 Superintending Engineer,  
 Pb. Water Supply and Sanitation Circle  
 CHANDIGARH

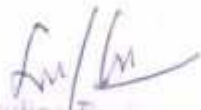
  
 Chief Engineer (Supply)  
 Water Supply and Sanitation Deptt. Punjab,  
 Patiala.


Sr No	Page No	Item No	Col. No	Line No	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
		iv	5		477.16	388.94	--do--
			7		478.74	390.71	--do--
4	305	28.14 e	5		966.29	880.18	--do--
			7		967.07	885.05	--do--
5	308	28.20					
		b	5		1957.70	1876.91	Rate revised as per current Market rate of Material
			7		1991.66	1914.95	--do--
		d	5		2893.89	2765.00	--do--
			7		2943.15	2820.17	--do--
		e	5		3764.92	3659.14	--do--
			7		3831.47	3733.69	--do--
		g	5		6496.45	6308.08	--do--
			7		6605.87	6430.63	--do--
		h	5		8052.57	7824.55	--do--
			7		8179.69	7986.92	--do--
		i	5		9620.03	9328.78	--do--
			7		9764.74	9490.86	--do--

  
 Superintending Engineer,  
 P.S. Water Supply & Sanitation Circle,  
 CHANDIGARH

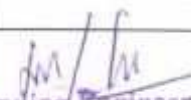
  
 Officer,  
 Water Supply & Sanitation Deptt. Punjab,  
 Patiala.

Sr No	Page No	Item No	Col. No	Line No	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
		j	5		11633.81	11237.28	--do--
			7		11822.16	11448.23	--do--
6	309	28.22					
		a	5		104.99	92.44	Rate revised as per current Market rate of Material
			7		105.23	92.70	--do--
		b	5		171.37	142.2	--do--
			7		171.61	142.46	--do--
7	309	28.24 A					
		(c)	5				Item deleted
			7				
	310	j	5		65934.34	54365.31	Rate revised as per current Market rate of Material
			7		66001.32	54440.32	--do--
		k	5		117787.95	74886.09	--do--
			7		117857.05	74963.48	--do--
		l	5		136287.65	98717.42	--do--
			7		136373.27	98813.31	--do--

  
 Superintending Engineer  
 Pb. Water Supply & Sanitation Circle  
 CHANDIGARH

  
 Chief Engineer (South)  
 Water Supply & Sanitation Deptt. Punjab,  
 Patiala

Sr No	Page No	Item No	Col. No	Line No	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
8	310	28.25					
		a	5		6537.68	5726.57	Rate revised as per current Market rate of Material
			7		6549.72	5740.49	--do--
9		28.26	5		4578.73	1999.15	--do--
			7		4621.78	2047.37	--do--
10	311	28.27	5		4387.42	3177.73	--do--
			7		4404.48	3196.83	--do--
11	311	28.28 B					
		a	5		4021.65	2837.70	Rate revised as per current Market rate of Material
			7		4037.60	2906.45	--do--
		b	5		4974.00	4262.24	--do--
			7		4992.34	4283.98	--do--
		c	5		6713.15	5472.65	--do--
			7		6738.34	5496.38	--do--
		d	5		7907.35	6868.51	--do--
			7		7931.38	6896.76	--do--
		e	5		14848.64	11008.34	--do--
			7		14878.49	11043.42	--do--

  
 Superintending Engineer,  
 Pb. Water Supply and Sanitation Circle,  
 CHANDIGARH

  
 Chief Engineer,  
 Water Supply & Sanitation Deptt. Punjab,  
 Patiala

Sr No	Page No	Item No	Col. No	Line No	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
		f	5		21971.90	17043.87	--do--
			7		22009.74	17088.35	--do--
	312	g	5		28840.20	22104.95	Rate revised as per current Market rate of Material
			7		28894.29	22168.53	--do--
		h	5		52888.30	42310.64	--do--
			7		52945.42	42364.73	--do--
		i	5		61013.29	48810.63	--do--
			7		61077.71	48875.05	--do--
		j	5		75348.75	60279.00	--do--
			7		75415.73	60345.98	--do--
		k	5		109711.27	87769.01	--do--
			7		109780.37	87838.10	--do--
12	312	28.31					item due to odd size
13	313	28.35			Providing, laying, jointing, fixing and testing H.D.P.E / PVC Pipe lines, with G.I. specials such as tees, bends, sockets, elbows etc. testing inside building complete.	Providing, laying, jointing, fixing and testing H.D.P.E. Pipe lines, with G.I. specials such as tees, bends, sockets, elbows etc. testing inside building complete.	Separate item for PVC Pipes has been added due to difference in Basic rate of Material for HDPE and PVC Pipes
		A			H.D.P.E. / PVC pipe 10 Kgf/m	H.D.P.E pipe 10 Kgf / m	

  
 Superintending Engineer,  
 Pb. Water Supply and Sanitation Circle  
 CHANDIGARH

  
 Chief Engineer (Supply)  
 Water Supply & Sanitation Deptt. Punjab,  
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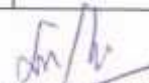


Sr No	Page No	Item No	Col. No	Line No	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
		B			H.D.P.E. / PVC pipe 6 Kgf/m	H.D.P.E. pipe 6 Kgf/ m	
		C			H.D.P.E. / PVC pipe 4 Kgf/m	H.D.P.E. pipe 4 Kgf/m	
14	314	28.37			Providing and laying, jointing, fixing and testing HDPE /PVC Pipe Lines as per ISI, Specials tees, bends, sockets, elbow etc., cutting, testing including cost of specials in the trenches in the ground complete.	Providing and laying, jointing, fixing and testing HDPE Pipe Lines as per ISI, Specials tees, bends, sockets, elbow etc., cutting, testing including cost of specials in the trenches in the ground complete.	Separate item for PVC Pipes has been added due to difference in Basic rate of Material for HDPE and PVC Pipes
		A			H.D.P.E. / PVC pipe 10 Kgf/m	H.D.P.E. pipe 10 Kgf / m	
		B			H.D.P.E. / PVC pipe 6 Kgf/m	H.D.P.E. pipe 6 Kgf/ m	
	315	C			H.D.P.E. / PVC pipe 4 Kgf/m	H.D.P.E. pipe 4 Kgf/m	
15	316	28.39					
		a	5		161.03	147.41	Rate revised as per current Market rate of Material
			7		164.19	150.95	--do--
		b	5		190.79	180.54	--do--
			7		193.95	184.08	--do--
		c	5		238.39	226.29	--do--
			7		241.55	229.83	--do--

  
 Superintendent Engineer,  
 Pb. Water Supply and Sanitation Circle  
 CHANDIGARH

  
 Chief Engineer,  
 Water Supply & Sanitation Deptt. Punjab,  
 Patiala.

Sr No	Page No	Item No	Col. No	Line No	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
16	316	28.40 A					
		a	5				Item due to odd size
			7				
		b	5		135.05	125.46	Rate revised as per current Market rate of Material
			7		138.92	130.60	--do--
		c	5		189.10	167.15	--do--
			7		192.99	172.65	--do--
	317	d	5		283.23	237.60	--do--
			7		287.12	242.74	--do--
		e	5		427.41	339.73	--do--
			7		431.30	344.87	--do--
		f	5		605.64	499.94	--do--
			7		609.53	505.08	--do--
	17	317	28.40 B				
a			5				Item Due to odd size
			7				
b			5		103.02	96.76	Rate revised as per current Market rate of Material

  
 Superintendent Engineer,  
 Pb. Water Supply and Sanitation Circle,  
 CHANDIGARH


  
 Chief Engineer (P.W.S.)  
 Water Supply & Sanitation Deptt. Punjab,  
 Patiala.

Sr No	Page No	Item No	Col. No	Line No	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
			7		106.18	100.93	--do--
		c	5		143.18	128.00	--do--
			7		146.34	132.17	--do--
		d	5		213.10	180.07	--do--
			7		216.26	184.24	--do--
		e	5		320.21	255.94	--do--
			7		323.37	260.11	--do--
		f	5		452.61	374.95	--do--
			7		455.77	379.12	--do--
18	318	28.28 B					
		a	5		393.89	353.93	Rate revised as per current Market rate of Material
			7		395.17	337.37	--do--
		b	5		534.06	440.97	--do--
			7		535.63	442.73	--do--
		c	5		817.54	677.75	--do--
			7		819.31	679.73	--do--
		d	5		1163.36	892.28	--do--

  
 Superintending Engineer,  
 Pb. Water Supply and Sanitation Circle,  
 CHANDIGARH


  
 Chief Engineer (S),  
 Water Supply & Sanitation Deptt. Punjab,  
 Patiala.

Sr No	Page No	Item No	Col. No	Line No	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
			7		1165.38	894.54	--do--
		e	5		1540.91	1259.94	--do--
			7		1543.26	1262.58	--do--
		f	5		2381.82	1902.68	--do--
			7		2384.96	1906.19	--do--
		g	5		4080.96	3205.81	--do--
			7		4084.99	3210.33	--do--
	319	h	5		5590.19	4989.34	--do--
			7		5594.90	4994.61	--do--
		i	5		11153.92	8922.40	--do--
			7		11158.63	8927.67	--do--
19	331	28.79			Item Bifurcated from item No. 28.35	Providing, laying, jointing, fixing and testing PVC Pipe lines, with G.I. specials such as tees, bends, sockets, elbows etc. testing inside building complete.	Item No, Discription, Unit and Rate to be added in CSR as per Annexure <sup>1</sup> attached
		A				PVC pipe 10 Kg/m	
		a				20mm i/d	
		b				25mm i/d	
		c				32mm i/d	

  
 Superintending Engineer,  
 Pb. Water Supply and Sanitation Circle  
 CHANDIGARH

  
 Chief Engineer (Supply)  
 Water Supply & Sanitation Deptt. Punjab,  
 Patiala.

Sr No	Page No	Item No	Col. No	Line No	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
		d				40mm i/d	
		e				50mm i/d	
		B				PVC pipe 6 Kgf/m	
		a				32mm i/d	
		b				40mm i/d	
		c				50mm i/d	
		C				PVC pipe 4 Kgf/m	
		a				40mm i/d	
		b				50mm i/d	
20	331	28.80			Item Bifurcated from item No. 28.37	Providing and laying, jointing, fixing and testing PVC Pipe Lines as per ISI, Specials tees, bends, sockets, elbow etc.; cutting, testing including cost of specials in the trenches in the ground complete.	Item No, Discription, Unit and Rate to be added in CSR as per Annexure <sup>2c</sup> attached <sub>1</sub>
		A				PVC pipe 10 Kgf/m	
		a				20mm i/d	
		b				25mm i/d	
		c				32mm i/d	
		d				40mm i/d	
		e				50mm i/d	

  
 Superintending Engineer,  
 Pb. Water Supply and Sanitation Circle,  
 CHANDIGARH

  
 Chief Engineer,  
 Water Supply & Sanitation Deptt. Punjab,  
 Patiala.

Sr No	Page No	Item No	Col. No	Line No	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
		B				PVC pipe 6 Kgf/m	
		a				32mm i/d	
		b				40mm i/d	
		c				50mm i/d	
		C				PVC pipe 4 Kgf/m	
		a				40mm i/d	
		b				50mm i/d	

**ADDENDA & CORRIGENDUM No. 2 to CSR -2010**

**Chapter No. 29 Sewerage and Drainage**

21	349	29.65					
		a	5		329.79	290.87	Rate revised as per current Market rate of Material
			7		310.73	291.92	--do--
		b	5		395.19	305.01	--do--
			7		396.14	306.07	--do--
		c	5		632.54	563.23	--do--
			7		633.79	564.63	--do--
		d	5		987.68	880.31	--do--
			7		989.48	882.33	--do--
		e	5		1532.59	1362.88	--do--
			7		1534.82	1365.37	--do--

*Jm/b*  
 Superintending Engineer,  
 Pb. Water Supply and Sanitation Circle  
 CHANDIGARH

*N. U.*  
 Chief Engineer,  
 Water Supply & Sanitation Deptt. Punjab,  
 Patiala.

Sr No	Page No	Item No	Col. No	Line No	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
		f	5		2491.74	2107.72	--do--
			7		2494.60	2110.92	--do--
22	360	29.104			New Item Added		Item No, Discription, Unit and Rate to be added in CSR as per Annexure <sup>2-B</sup> attached <sub>1</sub>

**ADDENDA & CORRIGENDUM No. 2 to CSR -2010**

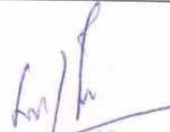
**Chapter No. 30 Sanitary Installation**

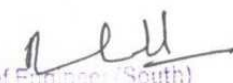
23	362	30.5	2	5	PVC	Chinaware	In syphonic type Chinaware EWC Cistern, Cistern is also of chinaware and EWC & Cistern is the same unit.
24	386	30.103			-	Extra for providing and fixing 10 litres capacity Chinaware low level dual flushing cistern with PVC internal fitting, instead of 10 litres capacity PVC flushing cistern.	
			3		-	each	New item added
			5		-	1489.92	New item added
			7		-	1489.92	New item added
25	364	30.20	4		128.06	51.24	Labour Component reduced
			5		185.28	122.62	Due to labour reduced
			6		140.87	56.36	Due to labour reduced
			7		198.09	128.36	Due to labour reduced
26	364	30.26					
		(a)	5		863.51	700.50	Due to PVC cistern extra rate on account of colored fixtures educed from 0.55 to 0.15 in Analysis.

*San/lu*  
 Superintending Engineer,  
 Pb. Water Supply and Sanitation Circle,  
 CHANDIOARA *San/lu*

*San/lu*  
 Chief Engineer (San)  
 Water Supply & Sanitation Deptt. Punjab,  
 Patiala *San/lu*

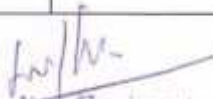
Sr No	Page No	Item No	Col. No	Line No	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
		(a)	7		863.51	700.50	Due to PVC cistern extra rate on account of colored fixtures educed from 0.55 to 0.15 in Analysis.
		(b)	5		1209.05	1094.49	Due to PVC cistern extra rate on account of colored fixtures educed from 0.55 to 0.15 in Analysis.
		(b)	7		1209.05	1094.49	Due to PVC cistern extra rate on account of colored fixtures educed from 0.55 to 0.15 in Analysis.
		(d)	5		1402.26	1317.93	Due to PVC cistern extra rate on account of colored fixtures educed from 0.55 to 0.15 in Analysis.
		(d)	7		1402.26	1317.93	Due to PVC cistern extra rate on account of colored fixtures educed from 0.55 to 0.15 in Analysis.
		(e)	5		3421.95	3377.26	Material rate reduced
		(e)	7		3421.95	3377.26	Material rate reduced
	365	(h)	5		937.79	748.97	Material rate reduced
		(h)	7		937.79	748.97	Material rate reduced
		(i)	5		505.39	Deleted	Item Deleted
		(i)	7		505.39	Deleted	Item Deleted
27	365	30.28					
		(e)	2		Lavatory suites (with full anti-splashrim) Size 510mmx400mm	Lavatory suites Size 510mmx400mm	Description Changed
		(f)	2		Lavatory suites (with full anti-splashrim) Size 530mmx430mm	Lavatory suites Size 530mmx430mm	Description Changed
		(g)	2		Lavatory suites (with full anti-splashrim) Size 610mmx510mm	Lavatory suites (above counter) Size 560mmx410mm	Description & size Changed


  
 Superintending Engineer,  
 Pb. Water Supply and Sanitation Circle,  
 CHANDIGARH

  
 Chief Engineer (South)  
 Water Supply & Sanitation Deptt. Punjab,  
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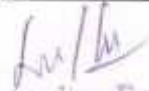


Sr No	Page No	Item No	Col. No	Line No	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
		(h)	2		Lavatory suites (with full anti-splashrim) Size 630mmx450mm	Lavatory suites (above counter) Size 49 cm dia	Description & size Changed
		(h)	5		3146.91	1158.69	Due to size changed
		(h)	7		3146.91	1158.69	Due to size changed
		(i)	2		Lavatory suites (with full anti-splashrim) Size 630mmx510mm	Lavatory suites (above counter) Size 630mmx500mm	Description & size Changed
		(i)	5		3461.60	1697.45	Due to size changed
		(i)	7		3461.60	1697.45	Due to size changed
		(j)	2		Lavatory suites (with full anti-splashrim) Size 690mmx550mm	Lavatory suites (Under counter) Size 560mmx430mm	Description & size Changed
		(j)	5		4090.98	895.61	Due to size changed
		(j)	7		4090.98	895.61	Due to size changed
28	366	30.34	5		(-) 66.37	476.04	Item corrected in Analysis
		30.34	7		(-) 66.37	476.04	Item corrected in Analysis
29	366	30.36 (A)					
		(i)	4		375.07	233.92	Labour Component reduced
		(i)	5		1194.41	1104.22	Due to labour reduced
		(i)	6		412.58	257.31	Due to labour reduced
		(i)	7		1231.92	1130.42	Due to labour reduced
30	367	30.38					
		(iii)	2		Size 610mm x 510mm	Size 560mm x 410mm (above counter oval)	Description & size Changed
		(iii)	4		1094.95	812.64	Labour Component reduced
		(iii)	5		3612.48	3600.48	Due to labour reduced
		(iii)	6		1204.45	893.90	Due to labour reduced
		(iii)	7		3721.98	3691.50	Due to labour reduced
		(iv)	2		Size 630mm x 450mm	Size 49 cm dia (above counter round)	Description & size Changed

  
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 Chief Engineer (South)  
 Water Supply & Sanitation Deptt. Punjab,  
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Sr No	Page No	Item No	Col. No	Line No	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
		(iv)	4		1094.95	812.64	Labour Component reduced
		(iv)	5		7760.68	4078.81	Due to size changed and labour reduced
		(iv)	6		1204.45	893.90	Due to labour reduced
		(iv)	7		7870.18	4169.83	Due to labour reduced
		(v)	2		Size 630mm x 510mm	Size 630mm x 500mm (abover counter)	Description & size Changed
		(v)	4		1094.95	812.64	Labour Component reduced
		(v)	5		8332.84	5058.36	Due to size changed and labour reduced
		(v)	6		1204.45	893.90	Due to labour reduced
		(v)	7		8442.34	5149.38	Due to labour reduced
		(vi)	2		Size 690mm x 550mm	Size 560mm x 430mm (Under counter)	Description & size Changed
		(vi)	4		1094.95	812.64	Labour Component reduced
		(vi)	5		9477.17	3600.48	Due to size changed and labour reduced
		(vi)	6		1204.45	893.90	Due to labour reduced
		(vi)	7		9586.67	3691.50	Due to labour reduced
31	367	30.41	5		1008.62	937.41	Material Rate raduced
			7		1017.94	947.84	Material Rate raduced
32	369	30.49					
		(a)	2		530mmx460mm	-	Item Deleted
		(b)	2		460mmx390mmx200mm	-	Item Deleted
33	369	30.54					
		(a)	2		With bottle trap (Indian make)	-	Item Deleted
34	370	30.58					
		(a)	2		C.P. brass towel Rails size 20mm dia 750mm long	-	Item Deleted

  
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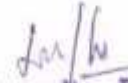
  
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 Water Supply and Sanitation Deptt. Punjab,  
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Sr No	Page No	Item No	Col. No	Line No	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
		(e)	2		Acrylic towel Rails size 20mm dia 750mm long	-	Item Deleted
		(f)	5		440.28	383.02	Material Rate raduced
			7		448.83	392.60	Material Rate raduced
35	371	30.59 (B)					
		(b)	2		Corner size 450mmx450mm	Corner size 300mmx300mm	Description & size Changed
36	371	30.60					
		(d)	2		Vitreous Chinaware soap dish size 200mm x 100mm	-	Item Deleted
37	386	30.104	2		-	Providing & Fixing in position 100 mm opening SS grating fixed in cement sand motor 1:2 complete in all respects (as required by the Engineer-in- Charge	New Item Added
			3		-	each	New Item Added
			4		-	12.71	New Item Added
			5		-	117.23	New Item Added
			6		-	13.98	New Item Added
38	373	30.66	7		-	118.65	New Item Added
		c)	2		C.P.brass 15mm Concealed Angle valve	C.P.brass 15mm Angle valve	Description Changed
39	374	30.69					
		(d)	2		Acrylic Tooth brush holder	-	Item Deleted
40	374	30.70					
		(b)	2		Acrylic tumbler cum Tooth brush holder	-	Item Deleted
41	375	30.74 (ii)					
		(a)	2		160 mm i/d	150mm i/d	size changed

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Sr No	Page No	Item No	Col. No	Line No	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
	376	(b)	2		110mm i/d	100mm i/d	size changed
42	376	30.74 (iii) (A)					
		(a)	2	1	i/d	o/d	Outer dia instead of internal dia as SWR UPVC Pipe's dia measured in outer dia
		(b)	2	1	i/d	o/d	Outer dia instead of internal dia as SWR UPVC Pipe's dia measured in outer dia
		(c)	2	1	i/d	o/d	Outer dia instead of internal dia as SWR UPVC Pipe's dia measured in outer dia
		30.74 (iii) (B)					
		(a)	2	1	i/d	o/d	Outer dia instead of internal dia as SWR UPVC Pipe's dia measured in outer dia
		(b)	2	1	i/d	o/d	Outer dia instead of internal dia as SWR UPVC Pipe's dia measured in outer dia
		(c)	2	1	i/d	o/d	Outer dia instead of internal dia as SWR UPVC Pipe's dia measured in outer dia
43	378	30.81(a)					
		(vii)	2		100mm i/d Door piece	-	Item Deleted
		30.81(b)					
		(vii)	2		75mm i/d Door piece	-	Item Deleted
	379	(xii)	2		75mm i/d P-Trap	-	Item Deleted
44	379	30.81 (ii) (A)	2		110mm i/d	100mm i/d	Dia corrected
		i)	2		110mm i/d Centrifugally cast iron Heal Rest Bend	100mm i/d Centrifugally cast iron Heal Rest Bend	Dia corrected

  
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Sr No	Page No	Item No	Col. No	Line No	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
		ii)	2		110mm i/d Single junction with door 100mm x 100mm x 100mm x 100mm	100mm i/d Single junction with door 100mm x 100mm x 100mm	Dia corrected
			4		28.24	51.24	Analysis corrected
			5		627.87	617.69	Material rate decreased
			6		31.06	56.36	Analysis corrected
		iii)	2		110mm i/d Single junction plain 100mm x 100mm x 100mm	100mm i/d Single junction plain 100mm x 100mm x 100mm	Dia corrected
		iv)	2		110mm i/d Bend with door	100mm i/d Bend with door	Dia corrected
		v)	2		110mm i/d Bend plain	100mm i/d Bend plain	Dia corrected
		vi)	2		110mm i/d Cowls	100mm i/d Cowls	Dia corrected
		vii)	2		110mm i/d Door piece	100mm i/d Door piece	Item Deleted
		viii)	2		110mm i/d Collars	100mm i/d Collars	Dia corrected
		ix)	2		110mm i/d Off sets 75mm projection	100mm i/d Off sets 75mm projection	Dia corrected
		x)	2		110mm i/d Off sets 100mm projection	100mm i/d Off sets 100mm projection	Dia corrected
			5		577.63	524.27	Material rate decreased
			7		582.75	530.01	Material rate decreased
		xi)	2		110mm i/d Off sets 150mm projection	100mm i/d Off sets 150mm projection	Dia corrected
			5		611.96	568.90	Material rate decreased
			7		617.08	574.64	Material rate decreased
		xii)	2		110mm i/d P-Trap	100mm i/d P-Trap	Dia corrected
	380	xiii)	2		110mm i/d Tail Piece 300mm	100mm i/d Tail Piece 300mm	Dia corrected
		xiv)	2		110mm i/d Tail Piece 600mm	100mm i/d Tail Piece 600mm	Dia corrected

  
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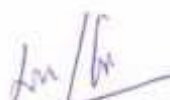
  
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 Patiala


Sr No	Page No	Item No	Col. No	Line No	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
		xv)	2		110mm i/d Tail Piece 900mm	100mm i/d Tail Piece 900mm	Dia corrected
		xiv)	2		110mm i/d Tail Piece 1200mm	100mm i/d Tail Piece 1200mm	Dia corrected
	380	30.81 (ii) (B)	2		For 75mm i/d Pipes	For 80mm i/d Pipes	Dia corrected
		(i)	2		75mm i/d Centrifugally cast iron Heal Rest Bend	80mm i/d Centrifugally cast iron Heal Rest Bend	Dia corrected
		(ii)	2		75mm i/d Single junction with door 100mm x 100mm x 100mm x 100mm	80mm i/d Single junction with door 80mm x 80mm x 80mm	Dia corrected
		(iii)	2		75mm i/d Single junction plain 100mm x 100mm x 100mm	80mm i/d Single junction plain 80mm x 80mm x 80mm	Dia corrected
		(iv)	2		75mm i/d Bend with door	80mm i/d Bend with door	Dia corrected
		(v)	2		75mm i/d Bend plain	80mm i/d Bend plain	Dia corrected
		(vi)	2		75mm i/d Cowls	80mm i/d Cowls	Dia corrected
		(vii)	2		75mm i/d Door piece	80mm i/d Door piece	Item Deleted
		(viii)	2		75mm i/d Collars	80mm i/d Collars	Dia corrected
		(ix)	2		75mm i/d Off sets 75mm projection	80mm i/d Off sets 80mm projection	Dia corrected
		(x)	2		75mm i/d Off sets 100mm projection	80mm i/d Off sets 100mm projection	Dia corrected
			5		538.73	391.54	Material rate decreased
			7		543.85	397.28	Material rate decreased
		(xi)	2		75mm i/d Off sets 150mm projection	80mm i/d Off sets 150mm projection	Dia corrected
			5		563.90	423.58	Material rate decreased
			7		569.02	429.32	Material rate decreased
		(xii)	2		75mm i/d Tail Piece 300mm	80mm i/d Tail Piece 300mm	Dia corrected

  
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Sr No	Page No	Item No	Col. No	Line No	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
		(xiii)	2		75mm i/d Tail Piece 600mm	80mm i/d Tail Piece 600mm	Dia corrected
		(xiv)	2		75mm i/d Tail Piece 900mm	80mm i/d Tail Piece 900mm	Dia corrected
		(xv)	2		75mm i/d Tail Piece 1200mm	80mm i/d Tail Piece 1200mm	Dia corrected
45	381	30.81 (iii) (A)					
		(i)	2		110mm i/d Centrifugally cast iron Heal Rest Bend	110mm o/d SWR UPVC Heal Rest Bend	Item Deleted
		(ii)	2		110mm i/d Single junction with door 100mm x 100mm x 100mm	110mm o/d Single junction with door 110mm x 110mm x 110mm	Outer dia instead of internal dia as SWR UPVC Pipe's dia measured in outer dia
		(iii)	2		110mm i/d Single junction plain 100mm x 100mm x 100mm	110mm o/d Single junction plain 110mm x 110mm x 110mm	Outer dia instead of internal dia as SWR UPVC Pipe's dia measured in outer dia
	5			243.48	198.14	Material rate decreased	
	7			248.60	203.88	Material rate decreased	
		(iv)	2		110mm i/d Bend with door	110mm o/d Bend with door	Outer dia instead of internal dia as SWR UPVC Pipe's dia measured in outer dia
		(v)	2		110mm i/d Bend plain	110mm o/d Bend plain	Outer dia instead of internal dia as SWR UPVC Pipe's dia measured in outer dia
		(vi)	2		110mm i/d Cowls	110mm o/d Cowls	Outer dia instead of internal dia as SWR UPVC Pipe's dia measured in outer dia
		(vii)	2		110mm i/d Door piece	110mm o/d Door piece	Outer dia instead of internal dia as SWR UPVC Pipe's dia measured in outer dia

  
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 Water Supply & Sanitation Deptt. Punjab,  
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Sr No	Page No	Item No	Col. No	Line No	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
		(viii)	2		110mm i/d Collars	110mm o/d Collars	Outer dia instead of internal dia as SWR UPVC Pipe's dia measured in outer dia
		(ix)	2		110mm i/d P-Trap	110mm o/d P-Trap	Outer dia instead of internal dia as SWR UPVC Pipe's dia measured in outer dia
		(x)	2		110mm i/d Tail Piece 300mm	110mm o/d Tail Piece 300mm	Outer dia instead of internal dia as SWR UPVC Pipe's dia measured in outer dia
			5		348.77	145.50	Analysis corrected
			7		353.89	151.24	Analysis corrected
		(xi)	2		110mm i/d Tail Piece 600mm	110mm o/d Tail Piece 600mm	Outer dia instead of internal dia as SWR UPVC Pipe's dia measured in outer dia
			5		575.34	240.48	Material rate decreased
			7		580.46	246.22	Material rate decreased
		(xii)	2		110mm i/d Off sets 75mm projection	110mm o/d Off sets 75mm projection	Outer dia instead of internal dia as SWR UPVC Pipe's dia measured in outer dia
			5		419.72	318.29	Material rate decreased
			7		424.84	324.03	Material rate decreased
		(xiii)	2		110mm i/d Off sets 100mm projection	110mm o/d Off sets 100mm projection	Outer dia instead of internal dia as SWR UPVC Pipe's dia measured in outer dia
			5		590.22	346.91	Material rate decreased
			7		595.34	352.65	Material rate decreased
		(xiv)	2		110mm i/d Off sets 150mm projection	110mm o/d Off sets 150mm projection	Outer dia instead of internal dia as SWR UPVC Pipe's dia measured in outer dia
			5		630.27	375.51	Material rate decreased

  
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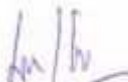



Sr No	Page No	Item No	Col. No	Line No	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
				7	635.39	381.25	Material rate decreased
	381	30.81 (iii) (B)	2		For 75mm i/d pipes	For 90mm i/d pipes	Dia corrected
		(i)	2		75mm i/d Centrifugally cast iron Heal Rest Bend	90mm o/d SWR UPVC Heal Rest Bend	Size of dia & description changed
		(ii)	2		75mm i/d Single junction with door 100mm x 100mm x 100mm	90mm o/d Single junction with door 90mm x 90mm x 90mm	Dia corrected
		(iii)	2		75mm i/d Single junction plain 100mm x 100mm x 100mm	90mm o/d Single junction plain 90mm x 90mm x 90mm	Dia corrected
		(iv)	2		75mm i/d Bend with door	90mm o/d Bend with door	Dia corrected
		(v)	2		75mm i/d Bend plain	90mm o/d Bend plain	Dia corrected
		(vi)	2		75mm i/d Cowls	90mm o/d Cowls	Dia corrected
	382	(vii)	2		75mm i/d Door piece	90mm o/d Door piece	Item Deleted
		(viii)	2		75mm i/d Collars	90mm o/d Collars	Dia corrected
		(ix)	2		75mm i/d P-Trap	90mm o/d P-Trap	Dia corrected
			5		222.89	184.41	Material rate decreased
			7		228.01	190.15	Material rate decreased
		(x)	2		75mm i/d Tail Piece 300mm	90mm o/d Tail Piece 300mm	Dia corrected
			5		314.44	128.34	Material rate decreased
			7		319.56	134.08	Material rate decreased
		(xi)	2		75mm i/d Tail Piece 600mm	90mm o/d Tail Piece 600mm	Dia corrected
			5		491.81	199.28	Material rate decreased
			7		496.93	205.02	Material rate decreased
		(xii)	2		75mm i/d Tail Piece 900mm	90mm o/d Tail Piece 900mm	Dia corrected
			5		634.85	269.10	Material rate decreased
			7		639.97	274.84	Material rate decreased

Superintending Engineer,  
Pb. Water Supply and Sanitation Circle,  
CHANDIGARH


Chief Engineer,  
Water Supply & Sanitation Deptt. Punjab,  
Patiala.

Sr No	Page No	Item No	Col. No	Line No	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
		(xiii)	2		75mm i/d Tail Piece 1200mm	90mm o/d Tail Piece 1200mm	Dia corrected
			5		795.05	341.18	Material rate decreased
			7		800.17	346.92	Material rate decreased
		(xiv)	2		75mm i/d Off sets 75mm projection	90mm o/d Off sets 90mm projection	Dia corrected
			5		348.77	211.88	Material rate decreased
			7		353.89	217.62	Material rate decreased
		(xv)	2		75mm i/d Off sets 100mm projection	90mm o/d Off sets 100mm projection	Dia corrected
			5		557.04	240.48	Material rate decreased
			7		562.16	246.22	Material rate decreased
		(xvi)	2		75mm i/d Off sets 150mm projection	90mm o/d Off sets 150mm projection	Dia corrected
			5		586.78	269.10	Material rate decreased
			7		591.90	274.84	Material rate decreased
46	383	30.90					
		(a)	5		13.49	11.26	Material rate reduced due to Correction in item of analysis i.e. 16.29 instead of 16.20
			7		14.04	11.88	Material rate reduced due to Correction in item of analysis i.e. 16.29 instead of 16.20
		(b)	5		9.80	8.18	Material rate reduced due to Correction in item of analysis i.e. 16.29 instead of 16.20

  
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Sr No	Page No	Item No	Col. No	Line No	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
			7		10.20	8.63	Material rate reduced due to Correction in item of analysis i.e. 16.29 instead of 16.20
47	384	30.96					
		a)	2		15mm i/d Brass ball valve with copper ball	-	Item Deleted
		b)	2		20mm i/d Brass ball valve with copper ball	-	Item Deleted
		c)	2		25mm i/d Brass ball valve with copper ball	-	Item Deleted
		d)	2		32mm i/d Brass ball valve with copper ball	-	Item Deleted
		e)	2		40mm i/d Brass ball valve with copper ball	-	Item Deleted
		f)	2		50mm i/d Brass ball valve with copper ball	-	Item Deleted

  
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 Patiala


Sr No	Page No	Item No	Col. No	Line No	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
48	386	30.102	2		<p>Providing and fixing in position best Indian make (To the approval of Engineer-in-Charge) storage type automatic electric water heater pressure / non pressure type thermostatically controlled, suitable for operation on 230 volts 50 cycles, single phase, vertical wall mounting fitted with drawable and adjustable type A.C. the with thermostat knobs to be readily accessible through the opening of suitable cover for adjustment of temperature in the installed position of heater and the thermostat should be with drawn without having to drain the water electric heating element made out of copper tube (heating element should be easily removed and replaced in the installed position of heater) a neon indicator 1 Amp inner container made out of copper tinned both from inside and outside outer container made out of mild steel sheet finished in gleaming white stove enamel paint insulated between the inner and outer with fibre glass wool with 1 meter length of suitable capacity 3 core flexible cord with plug and non-return valve plastic/lead connections or pressure release valve (Where required) complete including fixing and testing for a week (as required by the Engineer-in-Charge).</p>	<p>Providing and fixing in position best Indian make (To the approval of Engineer-in-Charge) storage type automatic electric water heater pressure / non pressure type thermostatically controlled, suitable for operation on 230 volts 50 cycles, single phase, vertical wall mounting fitted with drawable and adjustable type A.C. the with thermostat knob to be readily accessible through the opening of suitable cover for adjustment of temperature in the installed position of heater and the thermostat should be with drawn without having to drain the water electric heating element made out of copper tube (heating element should be easily removed and replaced in the installed position of heater) a neon indicator 1 Amp inner container should be glass lined, outer container made out of mild steel sheet/Non Corrosive ABS plastic finished in gleaming white stove enamel paint insulated between the inner and outer with fibre glass wool with 1 meter length of suitable capacity 3 core</p>	Description changed

  
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Sr No	Page No	Item No	Col. No	Line No	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
						flexible cord with plug and non-return valve plastic/lead connections or pressure release valve (Where required) complete including fixing and testing for a week (as required by the Engineer-in-Charge)	
		a)	4		256.10	307.31	Analysis Corrected
			5		10497.85	10299.86	Analysis Corrected
			6		281.71	307.31	Analysis Corrected
			7		10523.46	10334.28	Analysis Corrected
		b)	4		256.10	307.31	Analysis Corrected
			5		10497.85	10299.86	Analysis Corrected
			6		281.71	307.31	Analysis Corrected
			7		10523.46	10334.28	Analysis Corrected
		c)	4		256.10	332.92	Analysis Corrected
			5		12443.21	12559.98	Analysis Corrected
			6		281.71	365.31	Analysis Corrected
			7		12468.82	12597.27	Analysis Corrected


  
**Superintending Engineer,**  
**Pb. Water Supply and Sanitation Circle**  
**CHANDIGARH**


  
**Chief Engineer (South) Punjab,**  
**Water Supply & Sanitation Department,**  
**Patiala.**

## Annexure ( A and C Slip No. 2)

## Ammendments in CSR 2010 ( Relates to Chapter 28 Water Supply)

Sr. No	Description	Unit	Plans		Sub mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
28.79	Providing, laying, jointing, fixing and testing PVC Pipe lines, with G.I. specials such as tees, bends, sockets, elbows etc. testing inside building complete.					
A	PVC pipe 10 Kg/cm <sup>2</sup>					
(a)	20mm i/d	m	31.93	51.31	35.12	54.89
(b)	25mm i/d	m	39.33	67.93	43.26	72.33
(c)	32mm i/d	m	46.14	90.48	50.75	95.65
(d)	40mm i/d	m	47.74	112.80	52.51	118.15
(e)	50mm i/d	m	57.91	159.28	63.70	165.77
B	PVC pipe 6 Kg/cm <sup>2</sup>					
(a)	40mm i/d	m	47.74	90.21	52.51	97.76
(b)	50mm i/d	m	57.91	122.82	63.70	129.31


  
 Superintendent Engineer,  
 Ph. Water Supply and Sanitation Circle,  
 CHANDIGARH


  
 Chief Engineer (in-charge)  
 Water Supply & Sanitation Deptt. Punjab,  
 Patiala

## Annexure A ( A and C Slip No. 2)

## Ammendments in CSR 2010 ( Relates to Chapter 28 Water Supply)

Sr. No	Description	Unit	Plans		Sub mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
28.80	Providing and laying, jointing, fixing and testing PVC Pipe Lines as per ISI, Specials tees, bends, sockets, elbow etc., cutting, testing including cost of specials in the trenches in the ground complete.					
<b>A</b>	<b>PVC pipe 10 Kgf/cm<sup>2</sup></b>					
(a)	20mm i/d	m	10.87	25.13	11.96	26.21
(b)	25mm i/d	m	13.60	35.08	14.96	36.44
(c)	32mm i/d	m	20.45	55.29	22.50	57.33
(d)	40mm i/d	m	21.23	73.21	23.35	75.33
(e)	50mm i/d	m	22.02	103.34	24.22	105.54
<b>B</b>	<b>PVC pipe 6 Kgf/cm<sup>2</sup></b>					
(a)	40mm i/d	m	21.23	56.27	23.35	58.39
(b)	50mm i/d	m	22.02	72.93	24.22	75.13

  
 Superintending Engineer,  
 P.b. Water Supply & Sanitation Circle,  
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 Chief Engineer,  
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## Annexure ( A and C Slip No. 2)

ANNEXURE - 2-D

## Ammendments in CSR 2010 ( Relates to Chapter 29 Sewerage and Drainage )

Sr. No	Description	Unit	Plans		Sub mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
29.104	Providing, Stringing out U.P.V.C. Pipes casting as per IS:15328-2003 class-SN-4 along the trenches and laying the same in Trenches to correct alignment and gradients, cutting and jointing including cost of specials complete as per specifications.					
a	125mm o/d pipe	m	9.40	259.35	10.34	260.41
b	160mm o/d pipe	m	9.49	430.98	10.44	432.38
c	200mm o/d pipe	m	12.54	628.17	13.79	630.19
d	250mm o/d pipe	m	8.03	983.75	19.83	986.24
e	315mm o/d pipe	m	22.25	1583.19	24.48	1586.39
f	400 mm o/d pipe	m	28.57	2393.21	31.43	2394.26

  
 Superintending Engineer,  
 Pb. Water Supply and Sanitation Circle  
 CHANDIGARH

  
 Chief Engineer (South)  
 Water Supply & Sanitation Deptt. Punjab,  
 Patiala