

### Sanitary Rate Analysis 2079/080

**1001**

#### **580 mm size Porcelain clay white glazed Orissa pan with low level glazed cistern complete set**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	1,185.00	3,555.00	6,495.00
	un skilled	3	nos	980.00	2,940.00	
materials	a. 580 mm <b>Porcelain clay white glaze Orissa Pan</b>	1	nos	3,371.00	3,371.00	7,583.00
	b.10.0 ltr. <b>porcelain clay</b> low level flushing cistern complete accessories (Internal PVC fittings)	1	nos	3,559.00	3,559.00	
	c. 32mmx60cm size flushing CP pipe	1	nos	510.00	510.00	
	d.1.5x45 Cm (½" x18") PVC pipe connector	1	nos	143.00	143.00	
Actual rate						14,078.00
15% contractor overhead						2,111.70
<b>Total (Rs.)</b>						<b>16,189.70</b>

**Rate per set Rs. 16189.70**

**1002**

#### **580 mm IPWC with low level glazed cistern (Indian pan) complete set.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	1,185.00	3,555.00	6,495.00
	un skilled	3	nos	980.00	2,940.00	
materials	a. 580 mm Porcelain clay white glaze Indian Pan	1	nos	1,049.00	1,049.00	6,689.00
	b. P or S trap.	1	nos	590.00	590.00	
	c. White glazed foot rest	2	nos	419.00	838.00	
	d.10.0 ltr. porcelain clay low level flushing cistern complete accessories (Internal PVC fittings)	1	nos	3,559.00	3,559.00	
	e. 32mmx60cm size flushing CP pipe	1	nos	510.00	510.00	
	f. 1.5x45 Cm (½" x18") PVC pipe connector	1	nos	143.00	143.00	
Actual rate						13,184.00
15% contractor overhead						1,977.60
<b>Total (Rs.)</b>						<b>15,161.60</b>

**Rate per set Rs. 15161.60**

**1003**

#### **530mm Porcelain clay white glazed Orissa pan with low level cistern with complete set**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	1,185.00	3,555.00	6,495.00
	un skilled	3	nos	980.00	2,940.00	
materials	a. 530mm Porcelain clay white glazed Orissa pan	1	nos	2,524.00	2,524.00	6,736.00
	b.10.0 ltr.porcelain clay low level flushing cistern complete accessories (Internal PVC fittings)	1	nos	3,559.00	3,559.00	
	c. 32mmx60cm size flushing CP pipe	1	nos	510.00	510.00	
	d.1.5x45 Cm (½" x18") PVC pipe connector	1	nos	143.00	143.00	
Actual rate						13,231.00
15% contractor overhead						1,984.65
<b>Total (Rs.)</b>						<b>15,215.65</b>

**Rate per set Rs. 15215.65**

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**1004**

#### 580 mm Porcelain clay white glaze Orissa Pan complete set

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	1	nos	1,185.00	1,185.00	2,165.00
	un skilled	1	nos	980.00	980.00	
materials	a. 580 mm Porcelain clay white glaze Orissa Pan	1	nos	3,371.00	3,371.00	3,371.00
Actual rate						5,536.00
15% contractor overhead						830.40
<b>Total (Rs.)</b>						<b>6,366.40</b>

**Rate per set Rs. 6366.40**

**1005**

#### 10.0 Litre. Porceline clay white glazed low level flushing Cistern complete set

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	2	nos	1,185.00	2,370.00	4,330.00
	un skilled	2	nos	980.00	1,960.00	
materials	a.10.0 ltr.porcelain clay low level flushing cistern complete accessories (internal part of cistern pvc fittings )	1	nos	3,559.00	3,559.00	4,212.00
	b. 32mmx60cm size flushing CP pipe	1	nos	510.00	510.00	
	c. 1.5x45 Cm(½" x18") pipe connector	1	nos	143.00	143.00	
Actual rate						8,542.00
15% contractor overhead						1,281.30
<b>Total (Rs.)</b>						<b>9,823.30</b>

**Rate per set Rs. 9823.3**

**1006**

#### 10.0 ltr.PVC low level flushing cistern dual flushing complete set

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	2	nos	1,185.00	2,370.00	4,330.00
	un skilled	2	nos	980.00	1,960.00	
materials	a.10.0 ltr.PVC low level flushing cistern 3/6 litre dual flushing with complete accessories	1	nos	1,973.00	1,973.00	2,626.00
	b.3.2x60 cm(1¼"x24") flushing pipe	1	nos	510.00	510.00	
	c. 1.5x45 cm(½" x18") pipe connector	1	nos	143.00	143.00	
Actual rate						6,956.00
15% contractor overhead						1,043.40
<b>Total (Rs.)</b>						<b>7,999.40</b>

**Rate per set Rs. 7999.4**

**1007**

#### Porcelain clay white glazed I.P.W.C. COMODE with low level glazed cistern,seat cover complete set.

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	1,185.00	3,555.00	6,495.00
	un skilled	3	nos	980.00	2,940.00	
materials	a. Porcelain clay white glaze Indian Pattern Comode regular	1	nos	1,587.00	1,587.00	6,115.00
	b.10.0 ltr.porcelain clay low level flushing cistern complete accessories( Internal PVC fittings)	1	nos	3,559.00	3,559.00	
	c .Bakelite toilet seat cover	1	nos	276.00	276.00	
	d. 3.2x60 cm (1 1/4"x24") flushing CP pipe	1	nos	510.00	510.00	
	e. 1.5x45 cm (½" x18") PVC pipe connector	1	nos	143.00	143.00	
	f. screw, etc.	Ls			40.00	
Actual rate						12,610.00
15% contractor overhead						1,891.50
<b>Total (Rs.)</b>						<b>14,501.50</b>

**Rate per set Rs. 14501.50**

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**1008**

**Porcelain clay White glazed EWC floor mounted Comode with low level glazed cistern with complete set.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	1,185.00	3,555.00	6,495.00
	un skilled	3	nos	980.00	2,940.00	
materials	a. Porcelain clay White glazed EWC floor mounted Comode with all complete set .	1	nos	8,656.00	8,656.00	12,398.00
	b.10.0 ltr.porcelain clay low level flushing cistern complete accessories( Internal PVC fittings)	1	nos	3,559.00	3,559.00	
	c. 1.5x45 CM (½" x18") PVC pipe connector	1	nos	143.00	143.00	
	d. screw, etc.	Ls			40.00	
Actual rate						18,893.00
15% contractor overhead						2,833.95
Total (Rs.)						<b>21,726.95</b>

Rate per set Rs. 21726.95

**1009**

**Porcelain clay white glaze EWC Constellation Comode all complete set (Hindware, Paryware, Somany, cera or eqv.).**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	1,185.00	3,555.00	6,495.00
	un skilled	3	nos	980.00	2,940.00	
	a. White glazed porcelain clay EWC Constellation commode with 'P ' & 's ' trap and seat cover complete set.(Hindware, Paryware, Somany, cera or eqv.)	1	nos	18,119.00	18,119.00	18,159.00
	b. screw, etc.	Ls			40.00	
Actual rate						24,654.00
15% contractor overhead						3,698.10
Total (Rs.)						<b>28,352.10</b>

Rate per set Rs. 28352.10

**1010**

**White glazed porcelain clay One Piece commode with 'P ' & 'S ' trap and slow falling seat cover complete set.(Boln, Tita, Akwa, Hindware, Paryware, Somany, cera or eqv.)**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	1,185.00	3,555.00	6,495.00
	un skilled	3	nos	980.00	2,940.00	
materials	a. White glazed porcelain clay One Piece commode with 'P ' & 'S ' trap and slow falling seat cover complete set.(Hindware, Paryware, Somany, cera or eqv.)	1	nos	20,389.00	20,389.00	20,532.00
	b.1.5x45 cm(½" x18") PVC pipe connector	1	nos	143.00	143.00	
Actual rate						27,027.00
15% contractor overhead						4,054.05
Total (Rs.)						<b>31,081.05</b>

Rate per set Rs. 31081.05

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<b>1011</b>						
<b>(50x40)cm Porcelain clay white glaze Oval Wash basin with mixture complete set.</b>						
sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	2	nos	1,185.00	2,370.00	4,330.00
	un skilled	2	nos	980.00	1,960.00	
materials	a. 50x40cm Porcelain clay white glaze Oval Wash basin	1	nos	1,481.00	1,481.00	2,283.00
	b. 32 mm pvc bottle trap including 32mm CP waste coupling with CP chain and rubber plug etc.	1	nos	476.00	476.00	
	c. 15 mm CP basin mixer	0	nos	3,891.00	-	
	d. 1.5x45Cm (½"x18") pipe connector	2	nos	143.00	286.00	
	e. screw etc	Ls			40.00	
Actual rate						6,613.00
15% contractor overhead						991.95
Total (Rs.)						<b>7,604.95</b>

Rate per set Rs. 7604.95

<b>1012</b>						
<b>(50x40)cm Porcelain clay white glaze Wash basin with pedestal and mixture complete set.</b>						
sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	2	nos	1,185.00	2,370.00	4,330.00
	un skilled	2	nos	980.00	1,960.00	
materials	a. 50x40cm Porcelain clay white glaze Wash basin regular	1	nos	1,095.00	1,095.00	7,166.00
	b. 32 mm pvc bottle trap including 32mm CP waste coupling with CP chain and rubber plug etc.	1	nos	476.00	476.00	
	c. 15 mm CP basin mixer	1	nos	3,891.00	3,891.00	
	d. 1.5x45Cm (½"x18") pipe connector	2	nos	143.00	286.00	
	e. pedestal	1	nos	1,378.00	1,378.00	
	f. screw etc	Ls			40.00	
Actual rate						11,496.00
15% contractor overhead						1,724.40
Total (Rs.)						<b>13,220.40</b>

Rate per set Rs. 13220.40

<b>1013</b>						
<b>(50X40)cm Porcelain clay white glaze Wash basin with pillar cock complete set.</b>						
sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	2	nos	1,185.00	2,370.00	4,330.00
	un skilled	2	nos	980.00	1,960.00	
materials	a) 50x40cm Porcelain clay white glaze Wash basin (Hindware, Parryware, cera or equivalent ) Regular	1	nos	1,095.00	1,095.00	3,250.00
	b. bracket	1	set	135.00	135.00	
	c. 32 mm pvc bottle trap including 32mm CP waste coupling with CP chain and rubber plug etc.	1	nos	476.00	476.00	
	d. 15mm swan neck type cp pillar cock	1	nos	1,361.00	1,361.00	
	e. 1.5x45cm (½"x18") pipe connector	1	nos	143.00	143.00	
	f. screw etc	Ls			40.00	
Actual rate						7,580.00
15% contractor overhead						1,137.00
Total (Rs.)						<b>8,717.00</b>

Rate per set Rs. 8717.00

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**1014**

**(63x50)cm Porcelain clay white glazed O- counter Wash basin with mixer Complete set. (Duravit, Grohe, American Standard, Thai or equivalent)**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	2	nos	1,185.00	2,370.00	4,330.00
	un skilled	2	nos	980.00	1,960.00	
materials	a. 63x50cm Porcelain clay O- counter white glaze Wash basin (large)	1	nos	13,776.00	13,776.00	18,469.00
	b. 32 mm pvc bottle trap including 32mm CP waste coupling with CP chain and rubber plug etc.	1	nos	476.00	476.00	
	c.15 mm CP basin mixer	1	nos	3,891.00	3,891.00	
	d. 1.5x45Cm (½"x18") pipe connector	2	nos	143.00	286.00	
	e. screw etc	Ls			40.00	
Actual rate						22,799.00
15% contractor overhead						3,419.85
Total (Rs.)						<b>26,218.85</b>

Rate per set Rs. **26218.85**

**1015**

**(75x50)cm Porcelain clay Oval white glazed Wash basin with mixture complete set.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	2	nos	1,185.00	2,370.00	4,330.00
	un skilled	2	nos	980.00	1,960.00	
materials	a .75x50cm Porcelain clay white glaze Wash basin with all complete.	1	nos	6,232.00	6,232.00	10,925.00
	b. 32 mm pvc bottle trap including 32mm CP waste coupling with CP chain and rubber plug etc.	1	nos	476.00	476.00	
	c.15 mm CP basin mixer	1	nos	3,891.00	3,891.00	
	d. 1.5x45Cm (½"x18") pipe connector	2	nos	143.00	286.00	
	e. screw etc	Ls			40.00	
Actual rate						15,255.00
15% contractor overhead						2,288.25
Total (Rs.)						<b>17,543.25</b>

Rate per set Rs. **17543.25**

**1016**

**Porcelain clay white glaze Wash basin for disable with Pillar cock and grab bar all complete set.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	2	nos	1,185.00	2,370.00	4,330.00
	un skilled	2	nos	980.00	1,960.00	
	a. Porcelain clay white glaze Wash basin for disable with grab bar all complete	1	nos	20,549.00	20,549.00	22,093.00
	b. 15mm swan neck type cp pillar cock	1	nos	1,361.00	1,361.00	
	c. 1.5x45cm (½"x18") pipe connector	1	nos	143.00	143.00	
	d. screw etc	Ls			40.00	
Actual rate						26,423.00
15% contractor overhead						3,963.45
Total (Rs.)						<b>30,386.45</b>

Rate per set Rs. **30386.45**

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**1017**

**Porcelain clay white glaze Wash basin for disable with mixture and grab bar all complete set.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	2	nos	1,185.00	2,370.00	4,330.00
	un skilled	2	nos	980.00	1,960.00	
	a. Porcelain clay white glaze Wash basin for disable with grab bar all complete	1	nos	20,549.00	20,549.00	24,766.00
	b.15 mm CP basin mixer	1	nos	3,891.00	3,891.00	
	c. 1.5x45cm (½"x18") pipe connector	2	nos	143.00	286.00	
	d. screw etc	Ls			40.00	
Actual rate						29,096.00
15% contractor overhead						4,364.40
Total (Rs.)						<b>33,460.40</b>

Rate per set Rs. 33460.40

**1018**

**(50X40)cm Porcelain clay white glaze Wash basin complete set.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	2	nos	1,185.00	2,370.00	4,330.00
	un skilled	2	nos	980.00	1,960.00	
materials	a) 50x40cm Porcelain clay white glaze Wash basin (Hindware, Parryware, cera or equivalent ) Regular	1	nos	1,095.00	1,095.00	1,746.00
	b. bracket	1	set	135.00	135.00	
	c. 32 mm pvc bottle trap including 32mm CP waste coupling with CP chain and rubber plug etc.	1	nos	476.00	476.00	
	d. screw etc	Ls			40.00	
Actual rate						6,076.00
15% contractor overhead						911.40
Total (Rs.)						<b>6,987.40</b>

Rate per set Rs. 6987.40

**1019**

**(40X40) cm Porcelain clay white glaze Corner Wash basin with Pillar cock all complete set.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	2	nos	1,185.00	2,370.00	4,330.00
	un skilled	2	nos	980.00	1,960.00	
materials	a. 40x40cm Porcelain clay white glaze Corner Wash basin	1	nos	1,201.00	1,201.00	3,356.00
	b. bracket	1	set	135.00	135.00	
	c. 32 mm pvc bottle trap including 32mm CP waste coupling with CP chain and rubber plug etc.	1	nos	476.00	476.00	
	d. 15mm swan neck type cp pillar cock	1	nos	1,361.00	1,361.00	
	e. 1.5x45cm (½"x18") pipe connector	1	nos	143.00	143.00	
	f. screw etc	Ls			40.00	
Actual rate						7,686.00
15% contractor overhead						1,152.90
Total (Rs.)						<b>8,838.90</b>

Rate per set Rs. 8838.90

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**1020**

**(45x30x15)cm (18"x12"x6") White glazed Small Lavatory Sink with sink cock Complete Set.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	2	nos	1,185.00	2,370.00	3,350.00
	un skilled	1	nos	980.00	980.00	
materials	a. (45x30x15)cm (18"x12"x6") White glaze sink with C I bracket	1	nos	1,653.00	1,653.00	3,621.00
	b. 32 mm pvc bottle trap including 32mm CP waste coupling with CP chain and rubber plug etc.	1	nos	476.00	476.00	
	c. 15mm cp sink cock	1	nos	1,309.00	1,309.00	
	d. 1.5x45cm (½"x18") pipe connector	1	nos	143.00	143.00	
	e. screw etc	Ls			40.00	
Actual rate						6,971.00
15% contractor overhead						1,045.65
Total (Rs.)						<b>8,016.65</b>

Rate per set Rs. 8016.65

**1021**

**(53x43x18)cm ( 21"x17"x7") size White glaze Large Lavatory Sink with sink cock Complete Set.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	2	nos	1,185.00	2,370.00	3,350.00
	un skilled	1	nos	980.00	980.00	
materials	a. 53x43x18 (21"x17"x7") White glaze sink with C I bracket	1	nos	2,222.00	2,222.00	4,190.00
	b. 32 mm pvc bottle trap including 32mm CP waste coupling with CP chain and rubber plug etc.	1	nos	476.00	476.00	
	c. 15mm cp sink cock	1	nos	1,309.00	1,309.00	
	d. 1.5x45cm (½"x18") pipe connector	1	nos	143.00	143.00	
	e. screw etc	Ls			40.00	
Actual rate						7,540.00
15% contractor overhead						1,131.00
Total (Rs.)						<b>8,671.00</b>

Rate per set Rs. 8671

**1022**

**(60x45x25)cm ( 24"x18"x10") size White glazed Large Kitchen Sink with sink cock complete Set.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	1,185.00	3,555.00	4,535.00
	un skilled	1	nos	980.00	980.00	
materials	a. 60x45x25Cm (24"x18"x10") White glaze sink with bracket.	1	nos	3,763.00	3,763.00	5,731.00
	b. 32 mm pvc bottle trap including 32mm CP waste coupling with CP chain and rubber plug etc.	1	nos	476.00	476.00	
	c. 15mm cp swan neck sink cock	1	nos	1,309.00	1,309.00	
	d. 1.5x45cm (½"x18") pipe connector	1	nos	143.00	143.00	
	e. screw etc	Ls			40.00	
Actual rate						10,266.00
15% contractor overhead						1,539.90
Total (Rs.)						<b>11,805.90</b>

Rate per set Rs. 11805.9

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**1023**

#### **Euro Guard Water purification set (one litre per minute)**

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	3	nos	1,185.00	3,555.00	5,515.00
	un skilled	2	nos	980.00	1,960.00	
materials	a. Euro Guard Water purification set (one litre per minute)	1	sets	16,263.00	16,263.00	16,263.00
	Actual rate					
15% contractor overhead						3,266.70
<b>Rate per set Rs. 25044.7</b>						<b>25,044.70</b>
Total (Rs.)						<b>25,044.70</b>

**1024**

#### **Kitchen Sink Stainless Steel 37" long 8" deep with sink cock all complete set.**

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	2	nos	1,185.00	2,370.00	3,350.00
	un skilled	1	nos	980.00	980.00	
materials	a. Stainless steel sink Bowl with ordinary drain board 37" long and 8" deep size.	1	sets	2,314.00	2,314.00	4,282.00
	b. 32 mm pvc bottle trap including 32mm CP waste coupling with CP chain and rubber plug etc.	1	nos	476.00	476.00	
	c. 15mm cp sink cock	1	nos	1,309.00	1,309.00	
	d. 1.5x45cm (1/2"x18") pipe connector	1	nos	143.00	143.00	
	e. Zink Oxide screw etc.	LS			40.00	
Actual rate						7,632.00
15% contractor overhead						1,144.80
<b>Rate per set Rs. 8776.80</b>						<b>8,776.80</b>
Total (Rs.)						<b>8,776.80</b>

**1025**

#### **Kitchen Sink Stainless steel double Bowl 62" long 8" deep with sink cock all complete set.**

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	3	nos	1,185.00	3,555.00	5,515.00
	un skilled	2	nos	980.00	1,960.00	
materials	a. Stainless steel sink double bowl with single drain ordinary board 62" x 8" size	1	sets	5,786.00	5,786.00	7,754.00
	b. 32 mm pvc bottle trap including 32mm CP waste coupling with CP chain and rubber plug etc.	1	nos	476.00	476.00	
	c. 15mm cp sink cock	1	nos	1,309.00	1,309.00	
	d. 1.5x45cm (1/2"x18") pipe connector	1	nos	143.00	143.00	
	e. Zink Oxide screw etc.	LS			40.00	
Actual rate						13,269.00
15% contractor overhead						1,990.35
<b>Rate per Set Rs. 15259.35</b>						<b>15,259.35</b>
Total (Rs.)						<b>15,259.35</b>

**1026**

#### **Small Flat back White glazed urinal (46.5x35.5x26.5)cm with sensor valve all complete set.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	1,185.00	3,555.00	5,515.00
	un skilled	2	nos	980.00	1,960.00	
materials	a. Small Flat back White glazed urinal with bracket, (Hindustan, Parryware, Somany, cera or equivalent )	1	nos	1,880.00	1,880.00	12,571.00
	b. sensor valve for urinal	1	nos	10,651.00	10,651.00	
	c. screw etc.	Ls			40.00	
Actual rate						18,086.00
15% contractor overhead						2,712.90
<b>Rate per set Rs. 20798.90</b>						<b>20,798.90</b>
Total (Rs.)						<b>20,798.90</b>



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**1027**

#### **Small Flat back White glazed urinal (46.5x35.5x26.5)cm all complete set**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	2	nos	1,185.00	2,370.00	3,350.00
	un skilled	1	nos	980.00	980.00	
materials	a. 46.5x35.5x26.5 cm White glaze flat back Urinal (Hindware, Parryware, cera or eqv.)	1	nos	1,880.00	1,880.00	1,920.00
	b.screw etc.	Ls			40.00	
Actual rate						5,270.00
15% contractor overhead						790.50
<b>Total (Rs.)</b>						<b>6,060.50</b>

**Rate per set Rs. 6060.5**

**1028**

#### **Wall mounted Urinal with sensor complete set.( Duravit, Grohe, American standard and equivalent)**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	1,185.00	3,555.00	5,515.00
	un skilled	2	nos	980.00	1,960.00	
materials	Wall mounted Urinal with sensor complete set.( Duravit, Grohe, American standard and equivalent)	1	nos	100,291.00	100,291.00	100,331.00
	b.screw etc.	Ls			40.00	
Actual rate						105,846.00
15% contractor overhead						15,876.90
<b>Total (Rs.)</b>						<b>121,722.90</b>

**Rate per set Rs. 121722.90**

**1029**

#### **(61x41x38)cm size Large Flat back White glazed Urinal set**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	1,185.00	3,555.00	5,515.00
	un skilled	2	nos	980.00	1,960.00	
materials	a.61x41x38 cm Large Flat back White glazed urinal with bracket (Hindware, Parryware, Classica, cera or equivalent.)	1	nos	4,174.00	4,174.00	4,690.00
	b. 32 mm pvc bottle trap with all complete.	1	nos	476.00	476.00	
	c.screw etc.	Ls			40.00	
Actual rate						10,205.00
15% contractor overhead						1,530.75
<b>Total (Rs.)</b>						<b>11,735.75</b>

**Rate per set Rs. 11735.75**

**1030**

#### **White glazed porcelain clay corner Urinal (35x35x44)cm size set**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	2	nos	1,185.00	2,370.00	3,350.00
	un skilled	1	nos	980.00	980.00	
materials	a.White glazed porcelain clay corner Urinal (35x35x44)cm size (Hindware, Parryware, Classica, cera or equivalent.)	1	nos	1,619.00	1,619.00	1,659.00
	b.screw etc.	Ls			40.00	
Actual rate						5,009.00
15% contractor overhead						751.35
<b>Total (Rs.)</b>						<b>5,760.35</b>

**Rate per set Rs. 5760.35**

### **Sanitary Rate Analysis 2079/080**

**1031**

#### **(45x35)cm White Glazed Squatting Plate Urinal set**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	2	nos	1,185.00	2,370.00	3,350.00
	un skilled	1	nos	980.00	980.00	
materials	a. 45X35 cm White glaze squatting plate urinal	1	nos	1,212.00	1,212.00	1,212.00
Actual rate						4,562.00
15% contractor overhead						684.30
<b>Total (Rs.)</b>						<b>5,246.30</b>

**Rate per set Rs. 5246.3**

**1032**

#### **68x30cm size White Glazed Urinal Partation with all complete set.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.5	nos	1,185.00	592.50	1,082.50
	un skilled	0.5	nos	980.00	490.00	
materials	a.68X30 cm White glaze Division plate urinal Partation	1	nos	1,690.00	1,690.00	1,730.00
	b.screw etc.	Ls			40.00	
Actual rate						2,812.50
15% contractor overhead						421.87
<b>Total (Rs.)</b>						<b>3,234.37</b>

**Rate per set Rs. 3234.37**

**1033**

#### **300 ltr with 3 panel solar water heater with electric booster all complete set.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3.00	nos	1,185.00	3,555.00	6,495.00
	un skilled	3.00	nos	980.00	2,940.00	
materials	a. 300 ltr with 3 panel solar water heater	1	nos	49,376.00	49,376.00	49,416.00
	b.Zink oxide screw etc.	Ls			40.00	
Actual rate						55,911.00
15% contractor overhead						8,386.65
<b>Total (Rs.)</b>						<b>64,297.65</b>

**Rate per set Rs. 64297.65**

**1034**

#### **500 litre stainless steel water tank (304 grade steel) fitting with all complete.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	1,185.00	3,555.00	7,475.00
	un skilled	4	nos	980.00	3,920.00	
materials	a. 1000 liter stainless steel water tank 304 grade steel with Inlet, outlet, over flow, cleanout hole etc. fitting with all complete	1	nos	13,114.00	13,114.00	13,114.00
Actual rate						20,589.00
15% contractor overhead						3,088.35
<b>Total (Rs.)</b>						<b>23,677.35</b>

**Rate per nos Rs. 23677.35**

**1035**

#### **1000 litre stainless steel water tank (304 grade steel) fitting with all complete.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	1,185.00	3,555.00	7,475.00
	un skilled	4	nos	980.00	3,920.00	
materials	a. 1000 liter stainless steel water tank 304 grade steel with Inlet, outlet, over flow, cleanout hole etc. fitting with all complete	1	nos	19,323.00	19,323.00	19,323.00
Actual rate						26,798.00
15% contractor overhead						4,019.70
<b>Total (Rs.)</b>						<b>30,817.70</b>

**Rate per nos Rs. 30817.70**

**Sanitary Rate Analysis 2079/080**

**1036**

**1500 liter stainless steel water tank (304 grade steel) fitting with all complete.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	1,185.00	3,555.00	7,475.00
	un skilled	4	nos	980.00	3,920.00	
materials	a. 1500 liter stainless steel water tank 304 grade steel with Inlet, outlet, over flow, cleanout hole etc. fitting with all compete	1	nos	29,681.00	29,681.00	29,681.00
Actual rate						37,156.00
15% contractor overhead						5,573.40
Total (Rs.)						<b>42,729.40</b>

Rate per nos Rs. 42729.40

**1037**

**2000 litre stainless steel water tank (304 grade steel) fitting with all complete.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	1,185.00	3,555.00	7,475.00
	un skilled	4	nos	980.00	3,920.00	
materials	a. 2000 liter stainless steel water tank 304 grade steel with Inlet, outlet, over flow, cleanout hole etc. fitting	1	nos	35,890.00	35,890.00	35,890.00
Actual rate						43,365.00
15% contractor overhead						6,504.75
Total (Rs.)						<b>49,869.75</b>

Rate per nos Rs. 49869.75

**1038**

**500 Ltr PVC\HDPE Water Tank**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	1,185.00	3,555.00	7,475.00
	un skilled	4	nos	980.00	3,920.00	
materials	a. 500 ltr PVC water tank with Inlet, outlet, over flow, cleanout hole etc.	1	nos	5,000.00	5,000.00	5,135.00
	b. Tanki nipples with wash out plug etc.	Ls			135.00	
Actual rate						12,610.00
15% contractor overhead						1,891.50
Total (Rs.)						<b>14,501.50</b>

Rate per nos Rs. 14501.5

**1039**

**1000 Ltr. PVC\HDPE Water Tank**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	1,185.00	3,555.00	7,475.00
	un skilled	4	nos	980.00	3,920.00	
materials	a. 1000Ltr. PVC water tank with Inlet, outlet, over flow, cleanout hole etc.	1	nos	10,000.00	10,000.00	10,188.00
	b. Tanki nipples with wash out plug etc.	Ls			188.00	
Actual rate						17,663.00
15% contractor overhead						2,649.45
Total (Rs.)						<b>20,312.45</b>

Rate per nos Rs. 20312.45

**1040**

**2000 Ltr. PVC\HDPE Water Tank**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	1,185.00	3,555.00	9,435.00
	un skilled	6	nos	980.00	5,880.00	
materials	a. 2000 Ltr. PVC water tank with Inlet, outlet, over flow, cleanout hole etc.	1	nos	20,000.00	20,000.00	20,241.00
	b. Tanki nipples with wash out plug etc.	Ls			241.00	
Actual rate						29,676.00
15% contractor overhead						4,451.40
Total (Rs.)						<b>34,127.40</b>

Rate per nos Rs. 34127.40

### **Sanitary Rate Analysis 2079/080**

**1041**

#### **5000 Ltr. PVC\HDPE Water Tank**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	4	nos	1,185.00	4,740.00	12,580.00
	un skilled	8	nos	980.00	7,840.00	
materials	a.5000 Ltr. capacity pvc water tank with Inlet, outlet, over flow, cleanout hole etc.	1	nos	55,000.00	55,000.00	55,294.00
	b.Tanki nipples etc.	Ls			294.00	
Actual rate						67,874.00
15% contractor overhead						10,181.10
<b>Total (Rs.)</b>						<b>78,055.10</b>

**Rate per nos Rs. 78055.1**

**1042**

#### **1 HP Chinese Pump**

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	4	nos	1,185.00	4,740.00	6,700.00
	un skilled	2	nos	980.00	1,960.00	
materials	a. 1 HP Chinese pump	1	sets	3,433.00	3,433.00	3,473.00
	b. Zink Oxide, screw etc.	LS			40.00	
Actual rate						10,173.00
15% contractor overhead						1,525.95
<b>Total (Rs.)</b>						<b>11,698.95</b>

**Rate per set Rs. 11698.95**

**1043**

#### **1 HP Chinese Pump (Submersible)**

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	4	nos	1,185.00	4,740.00	6,700.00
	un skilled	2	nos	980.00	1,960.00	
materials	a. 1 HP Chinese submersible pump	1	sets	9,240.00	9,240.00	9,280.00
	b. Zink Oxide screw etc.	LS			40.00	
Actual rate						15,980.00
15% contractor overhead						2,397.00
<b>Total (Rs.)</b>						<b>18,377.00</b>

**Rate per set Rs. 18377.00**

**1044**

#### **1.0 H.P. Electrical motor water pump, Submersible pump Italian or Equivalent.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	4	nos	1,185.00	4,740.00	6,700.00
	un skilled	2	nos	980.00	1,960.00	
materials	a.1.0 H P Electric motor pump (Submersible) Italian or equivalent	1	nos	27,132.00	27,132.00	27,172.00
	b.Zink oxide screws etc.	Ls			40.00	
Actual rate						33,872.00
15% contractor overhead						5,080.80
<b>Total (Rs.)</b>						<b>38,952.80</b>

**Rate per set Rs. 38952.8**

**1045**

#### **1.5 H P Electric motor pump (Vertical Submersible) Sarvo/Bimal or equivalent**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	4	nos	1,185.00	4,740.00	6,700.00
	un skilled	2	nos	980.00	1,960.00	
materials	a.1.0 H P Electric motor pump (Submersible) Italian or equivalent	1	nos	34,249.00	34,249.00	34,289.00
	b.Zink oxide screws etc.	Ls			40.00	
Actual rate						40,989.00
15% contractor overhead						6,148.35
<b>Total (Rs.)</b>						<b>47,137.35</b>

**Rate per set Rs. 47137.35**

**Sanitary Rate Analysis 2079/080**

**1046**

**0.5 H.P. Electrical motor water pump, Monoblock type**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	4	nos	1,185.00	4,740.00	6,700.00
	un skilled	2	nos	980.00	1,960.00	
materials	a.0.5 H P Electric motor pump with base plate nuts, bolts etc.set Monoblock type	1	nos	6,570.00	6,570.00	6,610.00
	b.Zink oxide screws etc.	Ls			40.00	
Actual rate						13,310.00
15% contractor overhead						1,996.50
Total (Rs.)						<b>15,306.50</b>

Rate per set Rs. 15306.50

**1047**

**1.0 H.P. Electrical motor water pump, Monoblock type**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	4	nos	1,185.00	4,740.00	6,700.00
	un skilled	2	nos	980.00	1,960.00	
materials	a.1.0 H P Electric motor pump with base plate nuts,bolts,etc.set Monoblock type	1	nos	9,938.00	9,938.00	9,978.00
	b.Zink oxide screws etc.	Ls			40.00	
Actual rate						16,678.00
15% contractor overhead						2,501.70
Total (Rs.)						<b>19,179.70</b>

Rate per set Rs. 19179.7

**1048**

**1 H.P. Electrical motor water pump Multi stage**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	4	nos	1,185.00	4,740.00	6,700.00
	un skilled	2	nos	980.00	1,960.00	
materials	a.1 H P Electric motor pump with base plate nuts, bolts etc.set Multi stage	1	nos	14,847.00	14,847.00	14,887.00
	b.Zink oxide screws etc.	Ls			40.00	
Actual rate						21,587.00
15% contractor overhead						3,238.05
Total (Rs.)						<b>24,825.05</b>

Rate per set Rs. 24825.05

**1049**

**2 H.P. Electrical motor water pump Multi stage coupled pump (Crompton)**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	4	nos	1,185.00	4,740.00	7,680.00
	un skilled	3	nos	980.00	2,940.00	
materials	a.2 H P Electricmotor pump with base plate nuts, bolts etc.set Multi stage, coupled pump (Crompton)	1	nos	23,490.00	23,490.00	23,530.00
	b.Zink oxide screws etc.	Ls			40.00	
Actual rate						31,210.00
15% contractor overhead						4,681.50
Total (Rs.)						<b>35,891.50</b>

Rate per set Rs. 35891.50

### **Sanitary Rate Analysis 2079/080**

**1050**

#### **3 H.P. Electrical motor water pump Monoblock type**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	4	nos	1,185.00	4,740.00	8,660.00
	un skilled	4	nos	980.00	3,920.00	
materials	a. 3 H P Electricmotor pump with base plate nuts, bolts etc.set	1	nos	24,800.00	24,800.00	24,840.00
	b.Zink oxide screws etc.	Ls			40.00	
Actual rate						33,500.00
15% contractor overhead						5,025.00
<b>Total (Rs.)</b>						<b>38,525.00</b>

**Rate per set Rs. 38525.00**

**1051**

#### **5 H.P. Electrical motor water pump Monoblock type**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	6	nos	1,185.00	7,110.00	11,030.00
	un skilled	4	nos	980.00	3,920.00	
materials	a. 5 H P Electricmotor pump with base plate nuts, bolts etc.set	1	nos	29,802.00	29,802.00	29,842.00
	b.Zink oxide screws etc.	Ls			40.00	
Actual rate						40,872.00
15% contractor overhead						6,130.80
<b>Total (Rs.)</b>						<b>47,002.80</b>

**Rate per set Rs. 47002.80**

**1052**

#### **Motor Starter Switch (Crompton or Eqv.)**

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	0.25	nos	1,185.00	296.25	462.85
	un skilled	0.17	nos	980.00	166.60	
materials	a. Motor Starter Switch (Crompton or Eqv.)	1	nos	3,398.00	3,398.00	3,398.00
Actual rate						3,860.85
15% contractor overhead						579.12
<b>Total (Rs.)</b>						<b>4,439.97</b>

**Rate per no Rs. 4439.97**

**1053**

#### **Pressure Senser Switch (Italian or Eqv.)**

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	0.25	nos	1,185.00	296.25	462.85
	un skilled	0.17	nos	980.00	166.60	
materials	Pressure Senser Switch (Italian or Eqv.)	1	nos	3,675.00	3,675.00	3,675.00
Actual rate						4,137.85
15% contractor overhead						620.67
<b>Total (Rs.)</b>						<b>4,758.52</b>

**Rate per no Rs. 4758.52**

**1054**

#### **Porcelain Clay White Glazed Toilet Paper Holder**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled(1/9)	0.11	nos	1,185.00	130.35	1,327.35
materials	a. Porcelain Clay White Glazed Toilet Paper Holder	1	nos	1,157.00	1,157.00	
	b. Zink oxide screw etc.	Ls			40.00	
Actual rate						1,327.35
15% contractor overhead						199.10
<b>Total (Rs.)</b>						<b>1,526.45</b>

**Rate per nos Rs. 1526.45**

### **Sanitary Rate Analysis 2079/080**

1055

#### **Chrome Plate Toilet Paper Holder**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	a.Chrome plate toilet paper holder	1	nos	929.00	929.00	969.00
	b.Zink oxide screw etc.	Ls			40.00	
Actual rate						1,099.35
15% contractor overhead						164.90
<b>Total (Rs.)</b>						<b>1,264.25</b>

**Rate per nos Rs. 1264.25**

1056

#### **Stainless Steel Liquid Soap Container European Pattern**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	a. Stainless Steel Liquid Soap container European pattern all complete.	1	nos	6,062.00	6,062.00	6,102.00
	b.Zink oxide screw etc.	Ls			40.00	
Actual rate						6,232.35
15% contractor overhead						934.85
<b>Total (Rs.)</b>						<b>7,167.20</b>

**Rate per nos Rs. 7167.20**

1057

#### **White Glazed Porcelain Clay Soap Dish (15x15) cm/(6"X 6") Size**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	a.White glaze soap dish	1	nos	661.00	661.00	701.00
	b.Zink oxide screw etc.	Ls			40.00	
Actual rate						831.35
15% contractor overhead						124.70
<b>Total (Rs.)</b>						<b>956.05</b>

**Rate per nos Rs. 956.05**

1058

#### **Chrome Plate Soap Dish.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	a.C.P Soap dish	1	nos	510.00	510.00	550.00
	b.Zink oxide screw etc.	Ls			40.00	
Actual rate						680.35
15% contractor overhead						102.05
<b>Total (Rs.)</b>						<b>782.40</b>

**Rate per nos Rs. 782.40**

1059

#### **C.P.Soap Dish (polyurethane).**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	a.C.P Soap dish	1	nos	1,042.00	1,042.00	1,082.00
	b.Zink oxide screw etc.	Ls			40.00	
Actual rate						1,212.35
15% contractor overhead						181.85
<b>Total (Rs.)</b>						<b>1,394.20</b>

**Rate per nos Rs. 1394.20**

### **Sanitary Rate Analysis 2079/080**

1060

#### **Stainless Steel towel rod 1.5x45cm (½"x18") size**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.22	nos	1,185.00	260.70	260.70
materials	a . Stainless Steel Towel rod	1	nos	1,240.00	1,240.00	1,280.00
	b. Screws etc.	Ls			40.00	
Actual rate						1,540.70
15% contractor overhead						231.10
<b>Total (Rs.)</b>						<b>1,771.80</b>

**Rate per nos Rs. 1771.80**

1061

#### **C P towel rod 1.5x45cm (½"x 18") size**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.22	nos	1,185.00	260.70	260.70
materials	a . C PTowel rod 1.5x45cm (½"x 18")	1	nos	510.00	510.00	550.00
	b. Screws etc.	Ls			40.00	
Actual rate						810.70
15% contractor overhead						121.60
<b>Total (Rs.)</b>						<b>932.30</b>

**Rate per nos Rs. 932.30**

1062

#### **C P towel rod 1.5x60cm (½"x 24") size**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled(2/9)	0.22	nos	1,185.00	260.70	260.70
materials	a .C P Towel rod 1.5x60cm (½"x 24")	1	nos	567.00	567.00	607.00
	b. Screws	Ls			40.00	
Actual rate						867.70
15% contractor overhead						130.15
<b>Total (Rs.)</b>						<b>997.85</b>

**Rate per nos Rs. 997.85**

1063

#### **C P towel rod 18" size Heavy**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.22	nos	1,185.00	260.70	260.70
materials	a . C PTowel rod 18" size Heavy	1	nos	1,578.00	1,578.00	1,618.00
	b. Screws etc.	Ls			40.00	
Actual rate						1,878.70
15% contractor overhead						281.80
<b>Total (Rs.)</b>						<b>2,160.50</b>

**Rate per nos Rs. 2160.50**

1064

#### **C P towel rod 24" size Heavy**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled(2/9)	0.22	nos	1,185.00	260.70	260.70
materials	a .C P Towel rod 24" size Heavy	1	nos	1,663.00	1,663.00	1,703.00
	b. Screws	Ls			40.00	
Actual rate						1,963.70
15% contractor overhead						294.55
<b>Total (Rs.)</b>						<b>2,258.25</b>

**Rate per nos Rs. 2258.25**



**Sanitary Rate Analysis 2079/080**

**1065**

**Glass Shelf with CP Guard Rail**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.22	nos	1,185.00	260.70	260.70
materials	a. C P Guard rail with glass	1	nos	680.00	680.00	720.00
	b. Screws etc.	Ls			40.00	
Actual rate						980.70
15% contractor overhead						147.10
Total (Rs.)						<b>1,127.80</b>

Rate per nos Rs. 1127.80

**1066**

**C.P. Glass Shelf 22" size**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.22	nos	1,185.00	260.70	260.70
materials	a. C.P. Glass Shelf 22" size	1	nos	2,260.00	2,260.00	2,300.00
	b. Screws etc.	Ls			40.00	
Actual rate						2,560.70
15% contractor overhead						384.10
Total (Rs.)						<b>2,944.80</b>

Rate per nos Rs. 2944.80

**1067**

**Porcelain clay Basin Shelf European pattern**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.22	nos	1,185.00	260.70	260.70
materials	a. Porcelain clay basin shelf	1	nos	3,653.00	3,653.00	3,693.00
	b. Screws etc.	Ls			40.00	
Actual rate						3,953.70
15% contractor overhead						593.05
Total (Rs.)						<b>4,546.75</b>

Rate per nos Rs. 4546.75

**1068**

**Looking Mirror 55x40cm (22"x 16")**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled(1/3)	0.33	nos	1,185.00	391.05	391.05
materials	a. Bevelled edge looking mirror	1	nos	600.00	600.00	640.00
	b. Screws	Ls			40.00	
Actual rate						1,031.05
15% contractor overhead						154.65
Total (Rs.)						<b>1,185.70</b>

Rate per nos Rs. 1185.70

**1069**

**Looking Mirror Modi guard 450x600mm (18"x 24")**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.33	nos	1,185.00	391.05	391.05
materials	a. Looking Mirror Modi guard 450x600mm (18"x 24")	1	nos	1,459.00	1,459.00	1,499.00
	b. Screws	Ls			40.00	
Actual rate						1,890.05
15% contractor overhead						283.50
Total (Rs.)						<b>2,173.55</b>

Rate per nos Rs. 2173.55

**Sanitary Rate Analysis 2079/080**

**1070**

**73 mm Ms Seamless Pipes SCH 40**

sources	Level	Qty	Unit	Rate/unit	Cost	Total Cost
labour	skilled	2.7	nos	1,185.00	3,199.50	6,335.50
	un skilled	3.2	nos	980.00	3,136.00	
materials	a 73 mm OD Ms Seamless pipes SCH 40, 5.16 mm thick	1	Rm	1,895.00	1,895.00	2,245.00
	b. Jointing materials and painting	Ls			350.00	
Actual rate						8,580.50
15% contractor overhead						1,287.07
Total (Rs.)						<b>9,867.57</b>

Rate per Rm Rs.. 9867.57

**1071**

**101.6 mm Ms Seamless Pipes SCH 40**

sources	Level	Qty	Unit	Rate/unit	Cost	Total Cost
labour	skilled	2.7	nos	1,185.00	3,199.50	6,335.50
	un skilled	3.2	nos	980.00	3,136.00	
materials	a 101.6 mm Ms Seamless pipes SCH 40 ,5.74mm thickness	1	Rm	2,880.00	2,880.00	3,230.00
	b. Jointing materials and painting	Ls			350.00	
Actual rate						9,565.50
15% contractor overhead						1,434.82
Total (Rs.)						<b>11,000.32</b>

Rate per Rm Rs.. 11000.32

**1072**

**CP Shower rose 7.5 cm (3") dia**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.33	nos	1,185.00	391.05	391.05
materials	a.7.5cm dia shower rose fancy type with 30cm CP rod	1	nos	906.00	906.00	906.00
Actual rate						1,297.05
15% contractor overhead						194.55
Total (Rs.)						<b>1,491.60</b>

Rate per nos Rs. 1491.60

**1073**

**Stainless Steel Shower rose**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.33	nos	1,185.00	391.05	391.05
materials	Stainless Steel Shower rose with complete set.	1	nos	680.00	680.00	680.00
Actual rate						1,071.05
15% contractor overhead						160.65
Total (Rs.)						<b>1,231.70</b>

Rate per nos Rs. 1231.70

**1074**

**Stainless Steel Shower rose with sliding bar complete set.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.33	nos	1,185.00	391.05	391.05
materials	Stainless Steel Shower rose with sliding bar complete set.	1	nos	2,976.00	2,976.00	2,976.00
Actual rate						3,367.05
15% contractor overhead						505.05
Total (Rs.)						<b>3,872.10</b>

Rate per nos Rs. 3872.10

### **Sanitary Rate Analysis 2079/080**

**1075**

#### **Stainless steel telephonic Shower Rose**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.33	nos	1,185.00	391.05	391.05
materials	Stainless steel telephonic Shower Rose	1	nos	1,240.00	1,240.00	1,240.00
Actual rate						1,631.05
15% contractor overhead						244.65
<b>Total (Rs.)</b>						<b>1,875.70</b>

**Rate per nos Rs. 1875.70**

**1076**

#### **Shower head with arm and flange**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.33	nos	1,185.00	391.05	391.05
materials	Shower head with arm and flange	1	nos	1,094.00	1,094.00	1,094.00
Actual rate						1,485.05
15% contractor overhead						222.75
<b>Total (Rs.)</b>						<b>1,707.80</b>

**Rate per nos Rs. 1707.80**

**1077**

#### **32 mm C.P . Flush Valve (Jacquar,Somany,Essel or eqv.)**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	32 mm C.P Flush valve (Jacquar,Somany,Essel or eqv.)	1	nos	5,404.00	5,404.00	5,404.00
Actual rate						5,534.35
15% contractor overhead						830.15
<b>Total (Rs.)</b>						<b>6,364.50</b>

**Rate per nos Rs. 6364.50**

**1078**

#### **Sensor type Flush valve for urinal (Jacquar,Somany,Essel or eqv.)**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	Flush valve for urinal sensor type	1	nos	10,651.00	10,651.00	10,651.00
Actual rate						10,781.35
15% contractor overhead						1,617.20
<b>Total (Rs.)</b>						<b>12,398.55</b>

**Rate per nos Rs. 12398.55**

**1079**

#### **Sensor type Basin Cock (Battery operating)**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	1.00	nos	1,185.00	1,185.00	1,185.00
materials	basin cock sensor (Battery operating)	1	nos	14,418.00	14,418.00	14,418.00
Actual rate						15,603.00
15% contractor overhead						2,340.45
<b>Total (Rs.)</b>						<b>17,943.45</b>

**Rate per set Rs. 17943.45**

**1080**

#### **Sensor mixer for basin (Battery operating)**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	1.00	nos	1,185.00	1,185.00	1,185.00
materials	Sensor mixer for Wash basin (Battery operating)	1	nos	20,481.00	20,481.00	20,481.00
Actual rate						21,666.00
15% contractor overhead						3,249.90
<b>Total (Rs.)</b>						<b>24,915.90</b>

**Rate per set Rs. 24915.90**

**Sanitary Rate Analysis 2079/080**

**1081**

**15mm CP Bib Cock**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	15mm CP bib cock	1	nos	1,361.00	1,361.00	1,361.00
Actual rate						1,491.35
15% contractor overhead						223.70
Total (Rs.)						<b>1,715.05</b>

Rate per nos Rs. 1715.05

**1082**

**15mm CP Swan Neck Pillar Cock**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	15mm CP Swan Neck Pillar Cock	1	nos	1,331.00	1,331.00	1,331.00
Actual rate						1,461.35
15% contractor overhead						219.20
Total (Rs.)						<b>1,680.55</b>

Rate per nos Rs. 1680.55

**1083**

**15mm CP Piller Cock with aerator**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	15mm CP Piller Cock with aerator	1	nos	1,263.00	1,263.00	1,263.00
Actual rate						1,393.35
15% contractor overhead						209.00
Total (Rs.)						<b>1,602.35</b>

Rate per nos Rs. 1602.35

**1084**

**15mm C.P.Concealed Stop Cock**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	15mm C.P.Concealed Stop Cock	1	nos	1,807.00	1,807.00	1,807.00
Actual rate						1,937.35
15% contractor overhead						290.60
Total (Rs.)						<b>2,227.95</b>

Rate per nos Rs. 2227.95

**1085**

**15mm C.P.Sink Cock**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	15mm C.P.Sink Cock	1	nos	1,309.00	1,309.00	1,309.00
Actual rate						1,439.35
15% contractor overhead						215.90
Total (Rs.)						<b>1,655.25</b>

Rate per nos Rs. 1655.25

**1086**

**15mm C.P. Angle valve**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	a. 15mm C.P. Angle valve	1	nos	1,244.00	1,244.00	1,244.00
Actual rate						1,374.35
15% contractor overhead						206.15
Total (Rs.)						<b>1,580.50</b>

Rate per nos Rs. 1580.50

**Sanitary Rate Analysis 2079/080**

**1087**

**C.P. Sink Mixer**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	a. C.P.Sink mixture complete set.	1	nos	4,472.00	4,472.00	4,497.00
	b. Jointing material set.				25.00	
Actual rate						4,627.35
15% contractor overhead						694.10
Total (Rs.)						<b>5,321.45</b>

Rate per set Rs. 5321.45

**1088**

**C.P. Basin Mixer**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	a. C.P. Basin mixture complete set.	1	nos	4,640.00	4,640.00	4,640.00
Actual rate						4,770.35
15% contractor overhead						715.55
Total (Rs.)						<b>5,485.90</b>

Rate per set Rs. 5485.90

**1089**

**C.P. Wall Mixer**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	a. C.P. Wall mixture complete set.	1	nos	5,435.00	5,435.00	5,435.00
Actual rate						5,565.35
15% contractor overhead						834.80
Total (Rs.)						<b>6,400.15</b>

Rate per set Rs. 6400.15

**1090**

**15mm Stainless Steel Bib Cock**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	a. 15mm Stainless Steel bib cock	1	nos	4,425.00	4,425.00	4,425.00
Actual rate						4,555.35
15% contractor overhead						683.30
Total (Rs.)						<b>5,238.65</b>

Rate per nos Rs. 5238.65

**1091**

**15mm Stainless Steel Pillar Cock**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	a. 15mm Stainless Steel Pillar cock	1	nos	4,425.00	4,425.00	4,425.00
Actual rate						4,555.35
15% contractor overhead						683.30
Total (Rs.)						<b>5,238.65</b>

Rate per nos Rs. 5238.65

**1092**

**15mm Stainless Steel Sink Cock**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	a. 15mm Stainless Steel Sink cock	1	nos	5,565.00	5,565.00	5,565.00
Actual rate						5,695.35
15% contractor overhead						854.30
Total (Rs.)						<b>6,549.65</b>

Rate per nos Rs. 6549.65

**Sanitary Rate Analysis 2079/080**

**1093**

**15mm S.S.Concealed mixture**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	a. 15mm S.S.Concealed mixture	1	nos	6,455.00	6,455.00	6,455.00
Actual rate						6,585.35
15% contractor overhead						987.80
Total (Rs.)						<b>7,573.15</b>

Rate per set Rs. 7573.15

**1094**

**15mm Stainless Steel Angle valve**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	a. 15mm Stainless Steel angle valve	1	nos	827.00	827.00	827.00
Actual rate						957.35
15% contractor overhead						143.60
Total (Rs.)						<b>1,100.95</b>

Rate per nos Rs. 1100.95

**1095**

**15mm Stainless Steel two way angle valve**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	a. 15mm Stainless Steel two way angle valve	1	nos	1,157.00	1,157.00	1,157.00
Actual rate						1,287.35
15% contractor overhead						193.10
Total (Rs.)						<b>1,480.45</b>

Rate per nos Rs. 1480.45

**1096**

**Stainless Steel Wall Mixer**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	a. Stainless Steel Wall mixture complete set.	1	nos	4,182.00	4,182.00	4,182.00
Actual rate						4,312.35
15% contractor overhead						646.85
Total (Rs.)						<b>4,959.20</b>

Rate per set Rs. 4959.20

**1097**

**Stainless Steel Sink Mixer**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	a. Stainless Steel Sink mixture complete set.	1	nos	8,408.00	8,408.00	8,433.00
	b. Jointing material set.				25.00	
Actual rate						8,563.35
15% contractor overhead						1,284.50
Total (Rs.)						<b>9,847.85</b>

Rate per set Rs. 9847.85

**1098**

**Stainless Steel Basin Mixer**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	a. Stainless Steel Basin mixture complete set.	1	nos	6,943.00	6,943.00	6,943.00
Actual rate						7,073.35
15% contractor overhead						1,061.00
Total (Rs.)						<b>8,134.35</b>

Rate per set Rs. 8134.35

**Sanitary Rate Analysis 2079/080**

**1099**

**15mm C.P. Urinal Auto closing Valve with built in control cock**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	a. 15mm C.P. Urinal Auto closing valve with built - in control cock	1	nos	2,694.00	2,694.00	2,694.00
Actual rate						2,824.35
15% contractor overhead						423.65
Total (Rs.)						<b>3,248.00</b>

Rate per nos Rs. 3248.00

**1100**

**15mm C.P. Auto closing Bib Cock with aerator**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	a. 15mm Auto closing bib cock with aerator	1	nos	2,612.00	2,612.00	2,612.00
Actual rate						2,742.35
15% contractor overhead						411.35
Total (Rs.)						<b>3,153.70</b>

Rate per nos Rs. 3153.70

**1101**

**15mm C.P. Auto Closing Pillar Cock with Aerator**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	a. 15mm C.P. Auto Closing Pillar Cock with Aerator	1	nos	2,527.00	2,527.00	2,527.00
Actual rate						2,657.35
15% contractor overhead						398.60
Total (Rs.)						<b>3,055.95</b>

Rate per nos Rs. 3055.95

**1102**

**15mm C.P. Commode Spray**

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	0.25	nos	1,185.00	296.25	462.85
	un skilled	0.17	nos	980.00	166.60	
materials	a. Water spray (Health faucet) with 1.2 m. long flexible pipe.	1	sets	1,146.00	1,146.00	1,146.00
Actual rate						1,608.85
15% contractor overhead						241.32
Total (Rs.)						<b>1,850.17</b>

Rate per No Rs. 1850.17

**1103**

**15mm C.P. flush cock push type**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	a. 15mm C.P. flush cock push type	1	nos	1,133.00	1,133.00	1,133.00
Actual rate						1,263.35
15% contractor overhead						189.50
Total (Rs.)						<b>1,452.85</b>

Rate per nos Rs. 1452.85

**1104**

**15mm Urinal C.P. Spreader**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	a. 15mm Urinal C.P. Spreader	1	nos	940.00	940.00	940.00
Actual rate						1,070.35
15% contractor overhead						160.55
Total (Rs.)						<b>1,230.90</b>

Rate per nos Rs. 1230.90

### Sanitary Rate Analysis 2079/080

**1105**

#### C.P. Grab bar European pattern 300mm long bend type Grohe, Essel or Eqv.

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled(1/9)	0.22	nos	1,185.00	260.70	260.70
materials	a. C.P. Grab bar European pattern 300mm long bend type Grohe, Essel or equivalent	1	nos	5,360.00	5,360.00	5,400.00
	b. Zink oxide screw etc.	Ls			40.00	
Actual rate						5,660.70
15% contractor overhead						849.10
<b>Total (Rs.)</b>						<b>6,509.80</b>

**Rate per nos Rs. 6509.80**

**1106**

#### C.P. Grab bar European pattern 600-900mm long bend type Grohe, Essel or Eqv.

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled(1/9)	0.22	nos	1,185.00	260.70	260.70
materials	a. C.P. Grab bar European pattern 600-900mm long bend type Grohe, Essel or equivalent	1	nos	7,188.00	7,188.00	7,228.00
	b. Zink oxide screw etc.	Ls			40.00	
Actual rate						7,488.70
15% contractor overhead						1,123.30
<b>Total (Rs.)</b>						<b>8,612.00</b>

**Rate per nos Rs. 8612.00**

**1107**

#### G.M. 15mm Gate Valve

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.22	nos	1,185.00	260.70	260.70
materials	a.G.M.15mm gate valve	1	nos	751.00	751.00	751.00
Actual rate						1,011.70
15% contractor overhead						151.75
<b>Total (Rs.)</b>						<b>1,163.45</b>

**Rate per nos Rs. 1163.45**

**1108**

#### G.M. 20mm Gate Valve

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.22	nos	1,185.00	260.70	260.70
materials	a.G.M.20mm gate valve	1	nos	1,050.00	1,050.00	1,050.00
Actual rate						1,310.70
15% contractor overhead						196.60
<b>Total (Rs.)</b>						<b>1,507.30</b>

**Rate per nos Rs. 1507.30**

**1109**

#### G.M. 25mm Gate Valve

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.22	nos	1,185.00	260.70	260.70
materials	a.G.M.25mm gate valve	1	nos	1,600.00	1,600.00	1,600.00
Actual rate						1,860.70
15% contractor overhead						279.10
<b>Total (Rs.)</b>						<b>2,139.80</b>

**Rate per nos Rs. 2139.80**

**1110**

#### G.M.32 mm Gate Valve

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.22	nos	1,185.00	260.70	260.70
materials	a.G.M.32 mm gate valve	1	nos	2,350.00	2,350.00	2,350.00
Actual rate						2,610.70
15% contractor overhead						391.60
<b>Total (Rs.)</b>						<b>3,002.30</b>

**Rate per nos Rs. 3002.30**



**Sanitary Rate Analysis 2079/080**

**1111**

**G.M. 40 mm Gate Valve**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.44	nos	1,185.00	521.40	521.40
materials	a.G.M.40mm gate valve	1	nos	3,133.00	3,133.00	3,133.00
Actual rate						3,654.40
15% contractor overhead						548.16
<b>Total (Rs.)</b>						<b>4,202.56</b>

**Rate per nos Rs. 4202.56**

**1112**

**G.M. 50 mm Gate Valve**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.44	nos	1,185.00	521.40	521.40
materials	a.G.M.50 mm gate valve	1	nos	4,883.00	4,883.00	4,883.00
Actual rate						5,404.40
15% contractor overhead						810.66
<b>Total (Rs.)</b>						<b>6,215.06</b>

**Rate per nos Rs. 6215.06**

**1113**

**G.M.65 mm Gate Valve**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.44	nos	1,185.00	521.40	521.40
materials	a.G.M.65 mm gate valve	1	nos	8,772.00	8,772.00	8,772.00
Actual rate						9,293.40
15% contractor overhead						1,394.01
<b>Total (Rs.)</b>						<b>10,687.41</b>

**Rate per nos Rs. 10687.41**

**1114**

**G.M 80 mm Gate Valve**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.80	nos	1,185.00	948.00	948.00
materials	a.G.M.80 mm gate valve	1	nos	12,050.00	12,050.00	12,050.00
Actual rate						12,998.00
15% contractor overhead						1,949.70
<b>Total (Rs.)</b>						<b>14,947.70</b>

**Rate per nos Rs. 14947.70**

**1115**

**G.M.100 mm Gate Valve**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.80	nos	1,185.00	948.00	948.00
materials	a G.M.100 mm gate valve	1	nos	20,590.00	20,590.00	20,590.00
Actual rate						21,538.00
15% contractor overhead						3,230.70
<b>Total (Rs.)</b>						<b>24,768.70</b>

**Rate per nos Rs. 24768.70**

**1116**

**15 mm GM Check Valve**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	a.15 mm G M check valve	1	nos	893.00	893.00	893.00
Actual rate						1,023.35
15% contractor overhead						153.50
<b>Total (Rs.)</b>						<b>1,176.85</b>

**Rate per nos Rs. 1176.85**

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**1117**

**20 mm GM Check Valve**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.22	nos	1,185.00	260.70	260.70
materials	a. 20 mm G M check valve	1	nos	1,200.00	1,200.00	1,200.00
Actual rate						1,460.70
15% contractor overhead						219.10
Total (Rs.)						<b>1,679.80</b>

Rate per nos Rs. 1679.80

**1118**

**25 mm GM Check Valve**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.22	nos	1,185.00	260.70	260.70
materials	a.25 mm G M check valve	1	nos	1,775.00	1,775.00	1,775.00
Actual rate						2,035.70
15% contractor overhead						305.35
Total (Rs.)						<b>2,341.05</b>

Rate per nos Rs. 2341.05

**1119**

**32 mm GM Check Valve**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.22	nos	1,185.00	260.70	260.70
materials	a.32 mm G M check valve	1	nos	2,623.00	2,623.00	2,623.00
Actual rate						2,883.70
15% contractor overhead						432.55
Total (Rs.)						<b>3,316.25</b>

Rate per nos Rs. 3316.25

**1120**

**50mm GM Check Valve**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.33	nos	1,185.00	391.05	391.05
materials	a 50 mm G M check valve	1	nos	5,033.00	5,033.00	5,033.00
Actual rate						5,424.05
15% contractor overhead						813.60
Total (Rs.)						<b>6,237.65</b>

Rate per nos Rs. 6237.65

**1121**

**65mm GM Check Valve**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.44	nos	1,185.00	521.40	521.40
materials	a. 65 mm G M check valve	1	nos	10,225.00	10,225.00	10,225.00
Actual rate						10,746.40
15% contractor overhead						1,611.96
Total (Rs.)						<b>12,358.36</b>

Rate per nos Rs. 12358.36

**1122**

**80mm GM Check Valve**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.44	nos	1,185.00	521.40	521.40
materials	a.80 mm G M check valve	1	nos	13,657.00	13,657.00	13,657.00
Actual rate						14,178.40
15% contractor overhead						2,126.76
Total (Rs.)						<b>16,305.16</b>

Rate per nos Rs. 16305.16

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**1123**

**100mm GM Check Valve**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.44	nos	1,185.00	521.40	521.40
materials	100mm GM CHECK VALVE	1	nos	19,301.00	19,301.00	19,301.00
Actual rate						19,822.40
15% contractor overhead						2,973.36
Total (Rs.)						<b>22,795.76</b>

Rate per nos Rs. 22795.76

**1124**

**G.M. 15mm Float Valve**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.22	nos	1,185.00	260.70	260.70
materials	G.M. 15mm float valve	1	nos	1,134.00	1,134.00	1,134.00
Actual rate						1,394.70
15% contractor overhead						209.20
Total (Rs.)						<b>1,603.90</b>

Rate per nos Rs. 1603.90

**1125**

**G.M. 25mm Float Valve**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.22	nos	1,185.00	260.70	260.70
materials	G.M. 25mm float valve	1	nos	1,556.00	1,556.00	1,556.00
Actual rate						1,816.70
15% contractor overhead						272.50
Total (Rs.)						<b>2,089.20</b>

Rate per nos Rs. 2089.20

**1126**

**PVC Floor Trap 11x7.5cm (4" X 2½")**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	228.35
	un skilled	0.10	nos	980.00	98.00	
materials	PVC Floor Trap 11x7.5cm (4" X 2½")	1	nos	329.00	329.00	329.00
Actual rate						557.35
15% contractor overhead						83.60
Total (Rs.)						<b>640.95</b>

Rate per nos Rs. 640.95

**1127**

**PVC Grating 100mm (4") dia**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.06	nos	1,185.00	71.10	71.10
materials	PVC Grating 100 mm dia	1	nos	39.90	39.90	39.90
Actual rate						111.00
15% contractor overhead						16.65
Total (Rs.)						<b>127.65</b>

Rate per nos. Rs. 127.65

**1128**

**C P Grating 110mm (4") dia**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.06	nos	1,185.00	71.10	71.10
materials	C P Grating 110mm (4") dia	1	nos	50.00	50.00	50.00
Actual rate						121.10
15% contractor overhead						18.16
Total (Rs.)						<b>139.26</b>

Rate per nos. Rs. 139.26

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**1129**

**C P Grating 12.5cm (5") dia**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.06	nos	1,185.00	71.10	71.10
materials	C P Grating 12.5cm (5") dia size	1	nos	62.00	62.00	62.00
Actual rate						133.10
15% contractor overhead						19.96
Total (Rs.)						<b>153.06</b>

Rate per nos. Rs. 153.06

**1130**

**Aluminium Grating 100mm (4") dia**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.06	nos	1,185.00	71.10	71.10
materials	Aluminium Grating 100 mm (4") dia	1	nos	48.00	48.00	48.00
Actual rate						119.10
15% contractor overhead						17.86
Total (Rs.)						<b>136.96</b>

Rate per nos. Rs. 136.96

**1131**

**160 mm dia DWV UPVC Pipe SN-4, Astral or eqv.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	1.09	nos	1,185.00	1,291.65	1,928.65
	un skilled	0.65	nos	980.00	637.00	
materials	a . 160 mm dia DWV Upvc Pipe with Double sockets SN-4, Astral or eqv.	1	Rm	1,417.00	1,417.00	1,417.00
Actual rate						3,345.65
15% contractor overhead						501.84
Total (Rs.)						<b>3,847.49</b>

Rate per Rm Rs. 3847.49

**1132**

**110 mm dia DWV UPVC Pipe SN-4, Astral or eqv.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.17	nos	1,185.00	201.45	397.45
	un skilled	0.20	nos	980.00	196.00	
materials	a . 110 mm dia DWV Upvc Pipe with Double sockets SN-4, Astral or eqv.	1	Rm	496.00	496.00	496.00
Actual rate						893.45
15% contractor overhead						134.01
Total (Rs.)						<b>1,027.46</b>

Rate per Rm Rs. 1027.46

**1133**

**75 mm dia DWV UPVC Pipe SN-4, Astral or eqv.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	238.15
	un skilled	0.11	nos	980.00	107.80	
materials	a. 75 mm dia DWV Upvc Pipe with foamcore Double sockets SN-4, Astral or eqv.	1	Rm	275.00	275.00	275.00
Actual rate						513.15
15% contractor overhead						76.97
Total (Rs.)						<b>590.12</b>

Rate per Rm Rs. 590.12

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**1134**

**15mm G. I. Pipe 'B' class ( MEDIUM)**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.18	nos	1,185.00	213.30	370.10
	un skilled	0.16	nos	980.00	156.80	
materials	a.15 mm G. I. Pipe 'B' class	1	Rm	181.00	181.00	306.00
	b. G I fitting and painting	Ls			100.00	
	c. Jointing materials	Ls			25.00	
Actual rate						676.10
15% contractor overhead						101.41
Total (Rs.)						<b>777.51</b>

Rate per Rm Rs. 777.51

**1135**

**20 mm G. I. Pipe 'B' class ( MEDIUM)**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.18	nos	1,185.00	213.30	370.10
	un skilled	0.16	nos	980.00	156.80	
materials	a. 20 mm G. I. Pipe 'B' class	1	Rm	225.00	225.00	350.00
	b. G I fitting and painting	Ls			100.00	
	c. Jointing materials	Ls			25.00	
Actual rate						720.10
15% contractor overhead						108.01
Total (Rs.)						<b>828.11</b>

Rate per Rm Rs. 828.11

**1136**

**25 mm G. I. Pipe 'B' class ( MEDIUM)**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.18	nos	1,185.00	213.30	526.90
	un skilled	0.32	nos	980.00	313.60	
materials	a. 25 mm G. I. Pipe 'B' class	1	Rm	344.00	344.00	494.00
	b. G I fitting and painting	Ls			125.00	
	c. Jointing materials	Ls			25.00	
Actual rate						1,020.90
15% contractor overhead						153.13
Total (Rs.)						<b>1,174.03</b>

Rate per Rm Rs. 1174.03

**1137**

**32 mm G. I. Pipe 'B' class ( MEDIUM)**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.18	nos	1,185.00	213.30	526.90
	un skilled	0.32	nos	980.00	313.60	
materials	a. 32 mm G. I. Pipe 'B' class	1	Rm	447.00	447.00	597.00
	b. G I fitting and painting	Ls			125.00	
	c. Jointing materials	Ls			25.00	
Actual rate						1,123.90
15% contractor overhead						168.58
Total (Rs.)						<b>1,292.48</b>

Rate per Rm Rs. 1292.48

**1138**

**40 mm G. I. Pipe 'B' class ( MEDIUM)**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.27	nos	1,185.00	319.95	633.55
	un skilled	0.32	nos	980.00	313.60	
materials	a.40 mm G. I. Pipe 'B' class	1	Rm	514.00	514.00	674.00
	b. G I fitting and painting	Ls			135.00	
	c. Jointing materials	Ls			25.00	
Actual rate						1,307.55
15% contractor overhead						196.13
Total (Rs.)						<b>1,503.68</b>

Rate per Rm Rs. 1503.68

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**1139**

**50mm G. I. Pipe 'B' class ( MEDIUM)**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.27	nos	1,185.00	319.95	633.55
	un skilled	0.32	nos	980.00	313.60	
materials	a 50 mm G. I. Pipe 'B' class	1	Rm	706.00	706.00	881.00
	b. G I fitting and painting	Ls			150.00	
	c. Jointing materials	Ls			25.00	
Actual rate						1,514.55
15% contractor overhead						227.18
Total (Rs.)						<b>1,741.73</b>

Rate per Rm Rs. 1741.73

**1140**

**80mm G. I. Pipe 'B' class ( MEDIUM)**

sources	Level	Qty	Unit	Rate/unit	Cost	Total Cost
labour	skilled	0.27	nos	1,185.00	319.95	633.55
	un skilled	0.32	nos	980.00	313.60	
materials	a 80 mm G. I. Pipe 'B' class	1	Rm	1,122.00	1,122.00	1,322.00
	b. G I fitting and painting	Ls			175.00	
	c. Jointing materials	Ls			25.00	
Actual rate						1,955.55
15% contractor overhead						293.33
Total (Rs.)						<b>2,248.88</b>

Rate per Rm Rs. 2248.88

**1141**

**9 cm Concealed Flushing Cistern (Geberit/Viega or Eqv.)**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	2	nos	1,185.00	2,370.00	4,330.00
	un skilled	2	nos	980.00	1,960.00	
materials	a. 9 cm Concealed flushing cistern complete accessories ( Geberit/Viega or eqv. )	1	nos	7,431.00	7,431.00	11,077.00
	b. Dual flush Actuator plate	1	nos	3,646.00	3,646.00	
Actual rate						15,407.00
15% contractor overhead						2,311.05
Total (Rs.)						<b>17,718.05</b>

Rate per set Rs. 17718.05

**1142**

**Inspection Plastic Chamber 315mm (12"X12") with base, riser and cover all complete.**

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	0.33	nos	1,185.00	391.05	391.05
materials	Inspection Chamber body 32cm	1	nos	3,300.00	3,300.00	8,051.00
	Inspection Chamber Riser	1	nos	1,639.00	1,639.00	
	Inspection Chamber Lid with cover	1	nos	3,112.00	3,112.00	
Actual rate						8,442.05
15% contractor overhead						1,266.30
Total (Rs.)						<b>9,708.35</b>

Rate per set Rs. 9708.35

**1143**

**Inspection Plastic Chamber 45cm dia (18"X18") with base, riser and cover all complete.**

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	0.33	nos	1,185.00	391.05	391.05
materials	Inspection Chamber body 45x45cm	1	nos	9,112.00	9,112.00	16,844.00
	Inspection Chamber Riser	1	nos	2,897.00	2,897.00	
	Inspection Chamber Lid with cover	1	nos	4,835.00	4,835.00	
Actual rate						17,235.05
15% contractor overhead						2,585.25
Total (Rs.)						<b>19,820.30</b>

Rate per set Rs. 19820.30

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**1144**

**50 mm dia PVC Pipe 6 kg/cm2.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled(1/18)	0.06	nos	1,185.00	71.10	169.10
	un skilled(1/10)	0.10	nos	980.00	98.00	
materials	a.50 mm dia. PVC pipe 6 kg/cm2.	1	RM	97.00	97.00	122.00
	b. Jointing materialsetc.		Ls		25.00	
Actual rate						291.10
15% contractor overhead						43.66
<b>Total (Rs.)</b>						<b>334.76</b>

**Rate per Rm Rs. 334.76**

**1145**

**75 mm dia PVC Pipe 6 kg/cm2.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	238.15
	un skilled	0.11	nos	980.00	107.80	
materials	a.75 mm dia. PVC pipe 6 kg/cm2.	1	Rm	165.38	165.38	190.38
	b. Jointing materialsetc.		Ls		25.00	
Actual rate						428.53
15% contractor overhead						64.27
<b>Total (Rs.)</b>						<b>492.80</b>

**Rate per Rm Rs. 492.80**

**1146**

**110 mm dia PVC Pipe 6 kg/cm2.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.17	nos	1,185.00	201.45	397.45
	un skilled	0.20	nos	980.00	196.00	
materials	a.110 mm dia. PVC pipe 6 kg/cm2.	1	Rm	325.24	325.24	350.24
	b. Jointing material setc.		Ls		25.00	
Actual rate						747.69
15% contractor overhead						112.15
<b>Total (Rs.)</b>						<b>859.84</b>

**Rate per Rm Rs. 859.84**

**1147**

**50 mm dia UPVC Pipe 6 kg/cm2.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled(1/18)	0.06	nos	1,185.00	71.10	169.10
	un skilled(1/10)	0.10	nos	980.00	98.00	
materials	a.50 mm dia. PVC pipe 6 kg/cm2.	1	RM	106.94	106.94	106.94
	b. Jointing materialsetc.		Ls		-	
Actual rate						276.04
15% contractor overhead						41.40
<b>Total (Rs.)</b>						<b>317.44</b>

**Rate per Rm Rs. 317.44**

**1148**

**75 mm dia UPVC Pipe 6 kg/cm2.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	238.15
	un skilled	0.11	nos	980.00	107.80	
materials	a.75 mm dia. PVC pipe 6 kg/cm2.	1	Rm	239.24	239.24	239.24
	b. Jointing materialsetc.		Ls		-	
Actual rate						477.39
15% contractor overhead						71.60
<b>Total (Rs.)</b>						<b>548.99</b>

**Rate per Rm Rs. 548.99**

**1149**

**110 mm dia UPVC Pipe 6 kg/cm2.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.17	nos	1,185.00	201.45	397.45
	un skilled	0.20	nos	980.00	196.00	
materials	a.110 mm dia. PVC pipe 6 kg/cm2.	1	Rm	498.33	498.33	498.33
	b. Jointing material setc.		Ls		-	
Actual rate						895.78
15% contractor overhead						134.36
<b>Total (Rs.)</b>						<b>1,030.14</b>

**Rate per Rm Rs. 1030.14**

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**1150**

**Euro Guard water purification set with all necessary accessories (1 litre /min).**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	1,185.00	3,555.00	5,515.00
	un skilled	2	nos	980.00	1,960.00	
materials	a.Euro Guard water purification set with all necessary accessories (1 litre /min).	1	nos	16,263.00	16,263.00	16,288.00
	b. Jointing materials etc.		Ls		25.00	
Actual rate						21,803.00
15% contractor overhead						3,270.45
Total (Rs.)						<b>25,073.45</b>

Rate per set Rs. 25073.45

**1151**

**15.0 Ltr Electric Water Heater (Geyser), ( Aeroston, fazer or eqv. )**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	1,185.00	3,555.00	5,515.00
	un skilled	2	nos	980.00	1,960.00	
materials	a. 15.0 Ltr electric water heater including copper pipe connector with coupling and other necessary fittings complete.	1	nos	11,770.00	11,770.00	11,795.00
	b. Jointing materials etc.		Ls		25.00	
Actual rate						17,310.00
15% contractor overhead						2,596.50
Total (Rs.)						<b>19,906.50</b>

Rate per set Rs. 19906.50

**1152**

**25.0 Ltr Electric Water Heater (Geyser), ( Aeroston, fazer or eqv. )**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	1,185.00	3,555.00	5,515.00
	un skilled	2	nos	980.00	1,960.00	
materials	a. 25.0 Ltr electric water heater including copper pipe connector with coupling and other necessary fittings complete.	1	nos	16,826.00	16,826.00	16,851.00
	b. Jointing materialsetc.		Ls		25.00	
Actual rate						22,366.00
15% contractor overhead						3,354.90
Total (Rs.)						<b>25,720.90</b>

Rate per set Rs. 25720.90

**1153**

**35.0 Ltr Electric Water Heater (Geyser), ( Aeroston, fazer or eqv. )**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	1,185.00	3,555.00	6,495.00
	un skilled	3	nos	980.00	2,940.00	
materials	a.35.0 Ltr electric water heater including copper pipe connector with coupling and other necessary fittings complete.	1	nos	20,919.00	20,919.00	20,944.00
	b. Jointing material set.		Ls		25.00	
Actual rate						27,439.00
15% contractor overhead						4,115.85
Total (Rs.)						<b>31,554.85</b>

Rate per set Rs. 31554.85

**1154**

**50.0 Ltr Electric Water Heater (Geyser), ( Aeroston, fazer or eqv. )**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	1,185.00	3,555.00	7,475.00
	un skilled	4	nos	980.00	3,920.00	
materials	a.50.0 Ltr electric water heater including copper pipe connector with coupling and other necessary fittings complete.	1	nos	25,011.00	25,011.00	25,036.00
	b. Jointing material set.		Ls		25.00	
Actual rate						32,511.00
15% contractor overhead						4,876.65
Total (Rs.)						<b>37,387.65</b>

Rate per set Rs. 37387.65



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1155

#### Acrylic Bath tub 5"-6"x2"-6" with complete fittings (Duravit, Grohe, American Standard or Eqv.).

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	4	nos	1,185.00	4,740.00	6,700.00
	un skilled	2	nos	980.00	1,960.00	
materials	a. Fiber Bath tub 5"-6"x2"-6" with complete fittings.	1	nos	9,375.00	9,375.00	9,400.00
	b. Jointing material set.		Ls		25.00	
Actual rate						16,100.00
15% contractor overhead						2,415.00
<b>Total (Rs.)</b>						<b>18,515.00</b>

Rate per set Rs. 18515.00

1156

#### C.P. Bath tub spout with Telephonic Shower.

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	1	nos	1,185.00	1,185.00	2,165.00
	un skilled	1	nos	980.00	980.00	
materials	a. C.P.Bath tub spout(Hot and cold) with Telephonic shower.	1	nos	4,169.00	4,169.00	4,169.00
Actual rate						6,334.00
15% contractor overhead						950.10
<b>Total (Rs.)</b>						<b>7,284.10</b>

Rate per set Rs. 7284.10

1157

#### Stainless Steel Bath tub spout with Telephonic Shower.

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	1	nos	1,185.00	1,185.00	2,165.00
	un skilled	1	nos	980.00	980.00	
materials	a. S.S.Bath tub spout(Hot and cold) with Telephonic shower.	1	nos	18,432.00	18,432.00	18,432.00
Actual rate						20,597.00
15% contractor overhead						3,089.55
<b>Total (Rs.)</b>						<b>23,686.55</b>

Rate per set Rs. 23686.55

1158

#### C.P. Wall Mixture with Telephonic Shower arrangement

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
	un skilled					
materials	a. 15mm CP Wall Mixture with Telephonic Shower arrangement	1	nos	4,834.00	4,834.00	4,834.00
Actual rate						4,964.35
15% contractor overhead						744.65
<b>Total (Rs.)</b>						<b>5,709.00</b>

Rate per set Rs. 5709.00

1159

#### Stainless Steel Wall Mixture (single control) Cock with Shower arrangement

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	a. 15mm S.S. Wall Mixture (single control) Cock with Shower arrangement	1	nos	14,634.00	14,634.00	14,634.00
Actual rate						14,764.35
15% contractor overhead						2,214.65
<b>Total (Rs.)</b>						<b>16,979.00</b>

Rate per set Rs. 16979.00

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**1160**

#### Acrylic Shower Tray 3'0"x3'0" with complete fittings.

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	2	nos	1,185.00	2,370.00	4,330.00
	un skilled	2	nos	980.00	1,960.00	
materials	a. Shower Tray 3'0"x3'0" with complete fittings.	1	nos	500.00	500.00	550.00
	b. Jointing material set.	Ls			50.00	
Actual rate						4,880.00
15% contractor overhead						732.00
<b>Total (Rs.)</b>						<b>5,612.00</b>

Rate per set Rs. 5612.00

**1161**

#### Hand Dryer Germany with complete accessories (Grohe, Hansgrohe, American Standard or eqv.)

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	a) Hand Dryer (Germany or Eqv.) with complete accessories	1	nos	19,397.00	19,397.00	19,397.00
Actual rate						19,527.35
15% contractor overhead						2,929.10
<b>Total (Rs.)</b>						<b>22,456.45</b>

Rate per set Rs. 22456.45

**1162**

#### Hand Dryer Chinese with complete accessories

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	a) Hand Dryer (Chinese or Eqv.) with complete accessories	1	nos	7,164.00	7,164.00	7,164.00
Actual rate						7,294.35
15% contractor overhead						1,094.15
<b>Total (Rs.)</b>						<b>8,388.50</b>

Rate per set Rs. 8388.50

**1163**

#### CI Cover 18" X 18" (14 kg) Medium Duty

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	0.33	nos	1,185.00	391.05	391.05
materials	CI Cover 18" X 18" (14 kg) Medium Duty	1	nos	2,598.00	2,598.00	2,598.00
Actual rate						2,989.05
15% contractor overhead						448.35
<b>Total (Rs.)</b>						<b>3,437.40</b>

Rate per set Rs. 3437.40

**1164**

#### CI Cover 22" X 22" (20 kg) Medium Duty

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	0.33	nos	1,185.00	391.05	391.05
materials	CI Cover 22" X 22" (20 kg) Medium Duty	1	nos	3,353.00	3,353.00	3,353.00
Actual rate						3,744.05
15% contractor overhead						561.60
<b>Total (Rs.)</b>						<b>4,305.65</b>

Rate per set Rs. 4305.65

**1165**

#### CI Cover 22" X 22" (22 kg) Heavy Duty

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	0.33	nos	1,185.00	391.05	391.05
materials	CI Cover 22" X 22" (22 kg) Heavy Duty	1	nos	5,665.00	5,665.00	5,665.00
Actual rate						6,056.05
15% contractor overhead						908.40
<b>Total (Rs.)</b>						<b>6,964.45</b>

Rate per set Rs. 6964.45

**Sanitary Rate Analysis 2079/080**

**1166**

**CI Tank Cover 24"Dia (16 kg) Round (Locking Type)**

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	0.33	nos	1,185.00	391.05	391.05
materials	CI Tank Cover 24"Dia (16 kg) Round (Locking Type)	1	nos	3,868.00	3,868.00	3,868.00
Actual rate						4,259.05
15% contractor overhead						638.85
Total (Rs.)						<b>4,897.90</b>

Rate per set Rs. 4897.90

**1167**

**CI Tank Cover 24" X 24" (50 kg) Square ( Locking Type)**

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	0.33	nos	1,185.00	391.05	391.05
materials	CI Tank Cover 24"X24" (50 kg) Square ( Locking Type)	1	nos	11,604.00	11,604.00	11,604.00
Actual rate						11,995.05
15% contractor overhead						1,799.25
Total (Rs.)						<b>13,794.30</b>

Rate per set Rs. 13794.30

**1168**

**500 mm dia 100 kg CI Heavy Cover with frame all complete.**

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	1.0	nos	1,185.00	1,185.00	4,125.00
	un skilled	3.0	nos	980.00	2,940.00	
materials	a.500 mm dia 100 kg CI Heavy Round Manhole Cover with frame.	1.0	sets	16,747.00	16,747.00	16,747.00
Actual rate						20,872.00
15% contractor overhead						3,130.80
Total (Rs.)						<b>24,002.80</b>

Rate per set Rs. 24002.80

**1169**

**5 kg Fire extinguisher ABC type Minimax, eversafe or equivalent**

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	1.0	nos	1,185.00	1,185.00	1,185.00
materials	a.5 kg Fire extinguisher ABC type Minimax, eversafe or equivalent	1.0	nos	7,130.00	7,130.00	7,130.00
Actual rate						8,315.00
15% contractor overhead						1,247.25
Total (Rs.)						<b>9,562.25</b>

Rate per no Rs. 9562.25

**1170**

**Fire post with landing valve, hose reel or box with complete set**

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	5	nos	1,185.00	5,925.00	7,885.00
	un skilled	2	nos	980.00	1,960.00	
materials	a. Landinng valve ISI marked is : 5290, Hose box 18 gauge mild steel, 75x60x25cm (30"x24"x10") to accommodate two hose length of 15 meters each and one branch pipes with locking arrangement, 2 lengths Jayashree RRL hose (ISI is : 636 in 15 meter length with male and female coupling dully binded with wires, Branch pipe short GM.)( minimax)	1	sets	27,214.00	27,214.00	27,214.00
Actual rate						35,099.00
15% contractor overhead						5,264.85
Total (Rs.)						<b>40,363.85</b>

Rate per set Rs. 40363.85

### **Sanitary Rate Analysis 2079/080**

**1171**

#### **Fire Pump 20 HP Electric Motor Pump-2 set with control panel, pressure gauge and accessories (kiloskar or eqv.)**

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	6	nos	1,185.00	7,110.00	11,030.00
	un skilled	4	nos	980.00	3,920.00	
materials	a. Fire pump 20 HP two pump set with panel board, pressure gauge and accessories kiloskar or eqv	1	sets	550,000.00	550,000.00	550,000.00
Actual rate						561,030.00
15% contractor overhead						84,154.50
<b>Total (Rs.)</b>						<b>645,184.50</b>

**Rate per set Rs. 645184.50**

**1172**

#### **20 mm dia Fire hose reel complete set**

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	4	nos	1,185.00	4,740.00	6,700.00
	un skilled	2	nos	980.00	1,960.00	
materials	a. Swinging hose reel with 20 mm hydraulic rubber braided hose 30 mt. Long, swinging up to 170° nozzle, U shape reel carrier, dimension 31½" height over all 29" projection from wall (minimax)	1	sets	19,700.00	19,700.00	19,700.00
Actual rate						26,400.00
15% contractor overhead						3,960.00
<b>Total (Rs.)</b>						<b>30,360.00</b>

**Rate per set Rs. 30360.00**

**1173**

#### **G.I. Flange 80 mm dia.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	GI Flange 100 mm dia.	1	nos	1,892.00	1,892.00	1,892.00
Actual rate						2,022.35
15% contractor overhead						303.35
<b>Total (Rs.)</b>						<b>2,325.70</b>

**Rate per nos Rs. 2325.70**

**1174**

#### **G.I. Flange 100 mm dia.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	GI Flange 100 mm dia.	1	nos	2,348.00	2,348.00	2,348.00
Actual rate						2,478.35
15% contractor overhead						371.75
<b>Total (Rs.)</b>						<b>2,850.10</b>

**Rate per nos Rs. 2850.10**

**1175**

#### **50mm dia. HDP Pipe (4 Kg/cm2)**

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	0.17	nos	1,185.00	201.45	397.45
	un skilled	0.20	nos	980.00	196.00	
materials	a.50mm dia. HDP Pipe (4 Kg/cm2)	1	RM	108.49	108.48	108.48
Actual rate						505.93
15% contractor overhead						75.88
<b>Total (Rs.)</b>						<b>581.81</b>

**Rate per Rm Rs. 581.81**

**Sanitary Rate Analysis 2079/080**

**1176**

**110mm dia. HDP Pipe (4 Kg/cm2)**

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	0.17	nos	1,185.00	201.45	397.45
	un skilled	0.20	nos	980.00	196.00	
materials	a.110mm dia. HDP Pipe (4 Kg/cm2)	1	RM	488.76	488.76	488.76
Actual rate						886.21
15% contractor overhead						132.93
Total (Rs.)						<b>1,019.14</b>

Rate per Rm Rs. 1019.14

**1177**

**125mm dia. HDP Pipe (4 Kg/cm2)**

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	0.17	nos	1,185.00	201.45	397.45
	un skilled	0.20	nos	980.00	196.00	
materials	a.125mm dia. HDP Pipe (4 Kg/cm2)	1	RM	656.94	656.94	656.94
Actual rate						1,054.39
15% contractor overhead						158.15
Total (Rs.)						<b>1,212.54</b>

Rate per Rm Rs. 1212.54

**1178**

**140mm dia. HDP Pipe (4 Kg/cm2)**

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	0.20	nos	1,185.00	237.00	482.00
	un skilled	0.25	nos	980.00	245.00	
materials	a.140mm dia. HDP Pipe (4 Kg/cm2)	1	RM	832.59	832.58	832.58
Actual rate						1,314.58
15% contractor overhead						197.18
Total (Rs.)						<b>1,511.76</b>

Rate per Rm Rs. 1511.76

**1179**

**160mm dia. HDP Pipe (4 Kg/cm2)**

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	0.25	nos	1,185.00	296.25	619.65
	un skilled	0.33	nos	980.00	323.40	
materials	a.160mm dia.HDP Pipe (4 Kg/cm2)	1.0	RM	1,082.85	1,082.85	1,082.85
Actual rate						1,702.50
15% contractor overhead						255.37
Total (Rs.)						<b>1,957.87</b>

Rate per Rm Rs. 1957.87

**1180**

**180mm dia. HDP Pipe (4 Kg/cm2)**

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	0.33	nos	1,185.00	391.05	881.05
	un skilled	0.50	nos	980.00	490.00	
materials	a.180mm dia. HDP Pipe (4 Kg/cm2)	1.0	RM	1,366.69	1,366.69	1,366.69
Actual rate						2,247.74
15% contractor overhead						337.16
Total (Rs.)						<b>2,584.90</b>

Rate per Rm Rs. 2584.90

**1181**

**200mm dia. HDP Pipe (4 Kg/cm2)**

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	0.50	nos	1,185.00	592.50	1,082.50
	un skilled	0.50	nos	980.00	490.00	
materials	a.200mm dia. HDP Pipe (4 Kg/cm2)	1.0	RM	1,690.43	1,690.43	1,690.43
Actual rate						2,772.93
15% contractor overhead						415.93
Total (Rs.)						<b>3,188.86</b>

Rate per Rm Rs. 3188.86

**Sanitary Rate Analysis 2079/080**

**1182**

**15mm dia Insulation for hot water pipe (Aeroflex, superloan or eqv.), 6 mm wall thickness**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	15mm dia insulation aeroflex for hot water pipe	1	rm	85.00	85.00	85.00
Actual rate						215.35
15% contractor overhead						32.30
Total (Rs.)						<b>247.65</b>

Rate per Rm Rs. 247.65

**1183**

**25 mm dia Insulation for hot water pipe (Aeroflex, superloan or eqv.), 6 mm wall thickness**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	25 mm dia insulation aeroflex for hot water pipe	1	rm	126.00	126.00	126.00
Actual rate						256.35
15% contractor overhead						38.45
Total (Rs.)						<b>294.80</b>

Rate per Rm Rs. 294.80

**1184**

**32 mm dia Insulation for hot water pipe (Aeroflex, superloan or eqv.), 6 mm wall thickness**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	130.35
materials	32 mm dia insulation aeroflex for hot water pipe	1	rm	158.00	158.00	158.00
Actual rate						288.35
15% contractor overhead						43.25
Total (Rs.)						<b>331.60</b>

Rate per Rm Rs. 331.60

**1185**

**15 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 11 CTS, 28.1 kg/cm2 (Flowguard or ISI Standard)**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.01	nos	1,185.00	11.85	21.65
	un skilled	0.01	nos	980.00	9.80	
materials	a. 15 mm CPVC Pipe SDR 11 CTS, 28.1 kg/cm2	1	Rm	139.00	139.00	269.00
	b. Cpvc fittings	Ls			100.00	
	c. Jointing materials (flow guard adesive soln)	Ls			30.00	
Actual rate						290.65
15% contractor overhead						43.59
Total (Rs.)						<b>334.24</b>

Rate per Rm Rs. 334.24

**1186**

**20 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 11 CTS, 28.1 kg/cm2 (Flowguard or ISI Standard)**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.01	nos	1,185.00	11.85	21.65
	un skilled	0.01	nos	980.00	9.80	
materials	a. 20 mm CPVC Pipe SDR 11 CTS, 28.1 kg/cm2	1	Rm	189.00	189.00	319.00
	b. Cpvc fittings	Ls			100.00	
	c. Jointing materials (flow guard adesive soln)	Ls			30.00	
Actual rate						340.65
15% contractor overhead						51.09
Total (Rs.)						<b>391.74</b>

Rate per Rm Rs. 391.74

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<b>1187</b>						
<b>25 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 11 CTS, 28.1 kg/cm2 (Flowguard or ISI Standard)</b>						
sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.011	nos	1,185.00	13.03	31.65
	un skilled	0.019	nos	980.00	18.62	
materials	a. 25 mm CPVC Pipe SDR 11 CTS, 28.1 kg/cm2	1	Rm	264.00	264.00	414.00
	b. Cpvc fittings	Ls			120.00	
	c. Jointing materials (flow guard adesive soln)	Ls			30.00	
Actual rate						445.65
15% contractor overhead						66.84
Total (Rs.)						<b>512.49</b>

Rate per Rm Rs. 512.49

<b>1188</b>						
<b>32 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 11 CTS, 28.1 kg/cm2 (Flowguard or ISI Standard)</b>						
sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.011	nos	1,185.00	13.03	31.65
	un skilled	0.019	nos	980.00	18.62	
materials	a. 32 mm CPVC Pipe SDR 11 CTS, 28.1 kg/cm2	1	Rm	319.00	319.00	469.00
	b. Cpvc fittings	Ls			120.00	
	c. Jointing materials (flow guard adesive soln)	Ls			30.00	
Actual rate						500.65
15% contractor overhead						75.09
Total (Rs.)						<b>575.74</b>

Rate per Rm Rs. 575.74

<b>1189</b>						
<b>40 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 11 CTS, 28.1 kg/cm2 (Flowguard or ISI Standard)</b>						
sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.011	nos	1,185.00	13.03	31.65
	un skilled	0.019	nos	980.00	18.62	
materials	a. 40 mm CPVC Pipe SDR 11 CTS, 28.1 kg/cm2	1	Rm	445.00	445.00	645.00
	b. Cpvc fittings	Ls			150.00	
	c. Jointing materials (flow guard adesive soln)	Ls			50.00	
Actual rate						676.65
15% contractor overhead						101.49
Total (Rs.)						<b>778.14</b>

Rate per Rm Rs. 778.14

<b>1190</b>						
<b>50 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 11 CTS, 28.1 kg/cm2 (Flowguard or ISI Standard)</b>						
sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.011	nos	1,185.00	13.03	31.65
	un skilled	0.019	nos	980.00	18.62	
materials	a. 50 mm CPVC Pipe SDR 11 CTS, 28.1 kg/cm2	1	Rm	721.00	721.00	946.00
	b. Cpvc fittings	Ls			175.00	
	c. Jointing materials (flow guard adesive soln)	Ls			50.00	
Actual rate						977.65
15% contractor overhead						146.64
Total (Rs.)						<b>1,124.29</b>

Rate per Rm Rs. 1124.29

<b>1191</b>						
<b>15 mm CPVC Ball Valve, CTS sockets</b>						
sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	365.35
materials	a. 15 mm CPVC ball valve, CTS sockets,	1	set	235.00	235.00	
Actual rate						365.35
15% contractor overhead						54.80
Total (Rs.)						<b>420.15</b>

Rate per no Rs. 420.15

**Sanitary Rate Analysis 2079/080**

**1192**

**20 mm CPVC Ball Valve, CTS sockets**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	
materials	a. 20 mm CPVC ball valve, CTS sockets,	1	set	363.00	363.00	493.35
Actual rate						493.35
15% contractor overhead						74.00
Total (Rs.)						<b>567.35</b>

Rate per no Rs. 567.35

**1193**

**25 mm CPVC Ball Valve, CTS sockets**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	
materials	a. 25 mm CPVC ball valve, CTS sockets,	1	set	597.00	597.00	727.35
Actual rate						727.35
15% contractor overhead						109.10
Total (Rs.)						<b>836.45</b>

Rate per no Rs. 836.45

**1194**

**32 mm CPVC Ball Valve, CTS sockets**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	
materials	a. 32 mm CPVC ball valve, CTS sockets,	1	set	1,059.00	1,059.00	1,189.35
Actual rate						1,189.35
15% contractor overhead						178.40
Total (Rs.)						<b>1,367.75</b>

Rate per no Rs. 1367.75

**1195**

**40 mm CPVC Ball Valve, CTS socket**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	
materials	a. 40 mm CPVC ball valve, CTS sockets,	1	set	1,725.00	1,725.00	1,855.35
Actual rate						1,855.35
15% contractor overhead						278.30
Total (Rs.)						<b>2,133.65</b>

Rate per no Rs. 2133.65

**1196**

**50 mm CPVC Ball Valve, CTS sockets**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	1,185.00	130.35	
materials	a. 50 mm CPVC ball valve, CTS sockets,	1	set	2,222.00	2,222.00	2,352.35
Actual rate						2,352.35
15% contractor overhead						352.85
Total (Rs.)						<b>2,705.20</b>

Rate per no Rs. 2705.20

**1197**

**Multilayer composite PEX/AL/PEX Pipe-16mm**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.01	nos	1,185.00	11.85	
	un skilled	0.01	nos	980.00	9.80	21.65
materials	a.16 mm multilayer composite PAP Pipe, sangahi or eqv	1	Rm	106.00	106.00	
	b. Brass fittings	Ls			50.00	
	c. Jointing materials	Ls			25.00	181.00
Actual rate						202.65
15% contractor overhead						30.39
Total (Rs.)						<b>233.04</b>

Rate per Rm Rs. 233.04

**1198**



**Sanitary Rate Analysis 2079/080**

**Multilayer composite PEX/AL/PEX Pipe-20mm**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.01	nos	1,185.00	11.85	21.65
	un skilled	0.01	nos	980.00	9.80	
materials	a.20 mm multilayer composite PAP Pipe	1	Rm	124.00	124.00	199.00
	b. Brass fittings	Ls			50.00	
	c. Jointing materials	Ls			25.00	
Actual rate						220.65
15% contractor overhead						33.09
Total (Rs.)						<b>253.74</b>

Rate per Rm Rs. 253.74

**1199**

**Multilayer composite PEX/AL/PEX Pipe-25mm**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.011	nos	1,185.00	13.03	31.65
	un skilled	0.019	nos	980.00	18.62	
materials	a.25 mm multilayer composite PAP Pipe	1	Rm	189.00	189.00	289.00
	b. Brass fittings	Ls			75.00	
	c. Jointing materials	Ls			25.00	
Actual rate						320.65
15% contractor overhead						48.09
Total (Rs.)						<b>368.74</b>

Rate per Rm Rs. 368.74

**1200**

**Multilayer composite PEX/AL/PEX Pipe-32mm**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.011	nos	1,185.00	13.03	31.65
	un skilled	0.019	nos	980.00	18.62	
materials	a.32 mm multilayer composite PAP Pipe,	1	Rm	295.00	295.00	395.00
	b. Brass fittings	Ls			75.00	
	c. Jointing materials	Ls			25.00	
Actual rate						426.65
15% contractor overhead						63.99
Total (Rs.)						<b>490.64</b>

Rate per Rm Rs. 490.64

**1201**

**Multilayer composite PEX/AL/PEX Pipe-40 mm**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.011	nos	1,185.00	13.03	31.65
	un skilled	0.019	nos	980.00	18.62	
materials	a.40 mm multilayer composite PAP Pipe,	1	Rm	468.00	468.00	593.00
	b. Brass fittings	Ls			100.00	
	c. Jointing materials	Ls			25.00	
Actual rate						624.65
15% contractor overhead						93.69
Total (Rs.)						<b>718.34</b>

Rate per Rm Rs. 718.34

**1202**

**Multilayer composite PEX/AL/PEX Pipe-50 mm**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.011	nos	1,185.00	13.03	31.65
	un skilled	0.019	nos	980.00	18.62	
materials	a.50 mm multilayer composite PAP Pipe,	1	Rm	685.00	685.00	835.00
	b. Brass fittings	Ls			125.00	
	c. Jointing materials	Ls			25.00	
Actual rate						866.65
15% contractor overhead						129.99
Total (Rs.)						<b>996.64</b>

Rate per Rm Rs. 996.64

**Sanitary Rate Analysis 2079/080**

**1203**

**20mm PPR (Poly Propylene Random Co-polymer) Pipe, PN-10, Pachakanya, Nepatop or Eqv.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.01	nos	1,185.00	11.85	21.65
	un skilled	0.01	nos	980.00	9.80	
materials	a.20 mm PP-R Pipe,(PN-10,SDR 11), napatop or eqv	1	Rm	56.00	56.00	81.00
	b. PPR fittings	Ls			25.00	
Actual rate						102.65
15% contractor overhead						15.39
Total (Rs.)						<b>118.04</b>

Rate per Rm Rs. 118.04

**1204**

**25mm PPR (Poly Propylene Random Co-polymer) Pipe, PN-10, Pachakanya, Nepatop or Eqv.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.011	nos	1,185.00	13.03	31.65
	un skilled	0.019	nos	980.00	18.62	
materials	a.25 mm PP-R Pipe,(PN-10,SDR 11) napatop or eqv	1	Rm	86.00	86.00	111.00
	b. PPR fittings	Ls			25.00	
Actual rate						142.65
15% contractor overhead						21.39
Total (Rs.)						<b>164.04</b>

Rate per Rm Rs. 164.04

**1205**

**32mm PPR (Poly Propylene Random Co-polymer) Pipe, PN-10, Pachakanya, Nepatop or Eqv.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.011	nos	1,185.00	13.03	31.65
	un skilled	0.019	nos	980.00	18.62	
materials	a.32 mm PP-R Pipe,(PN-10,SDR 11), napatop or eqv	1	Rm	137.00	137.00	162.00
	b. PPR fittings	Ls			25.00	
Actual rate						193.65
15% contractor overhead						29.04
Total (Rs.)						<b>222.69</b>

Rate per Rm Rs. 222.69

**1206**

**40mm PPR (Poly Propylene Random Co-polymer) Pipe, PN-10, Pachakanya, Nepatop or Eqv.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.011	nos	1,185.00	13.03	31.65
	un skilled	0.019	nos	980.00	18.62	
materials	a.40 mm PP-R Pipe,(PN-10,SDR 11)napatop or eqv	1	Rm	217.00	217.00	267.00
	b. PPR fittings	Ls			50.00	
Actual rate						298.65
15% contractor overhead						44.79
Total (Rs.)						<b>343.44</b>

Rate per Rm Rs. 343.44

### **Sanitary Rate Analysis 2079/080**

**1207**

#### **50mm PPR (Poly Propylene Random Co-polymer) Pipe, PN-10, Pachakanya, Nepatop or Eqv.**

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.011	nos	1,185.00	13.03	31.65
	un skilled	0.019	nos	980.00	18.62	
materials	a. 50 mm PP-R Pipe,(PN-10,SDR 11),napatop or eqv	1	Rm	336.00	336.00	386.00
	b. PPR fittings	Ls			50.00	
Actual rate						417.65
15% contractor overhead						62.64
<b>Total (Rs.)</b>						<b>480.29</b>

**Rate per Rm Rs. 480.29**

**1208**

#### **150 mm RCC hump pipe NP2 with collar**

दर विश्लेषणको लागि ३२ मि. लिइएको

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	1,185.00	3,555.00	18,255.00
	un skilled	15	nos	980.00	14,700.00	
materials	a.150 mm RCC hump pipe NP2	32	Rm	570.00	18,240.00	20,860.95
	b.150 mm RCC collar	13	nos	145.00	1,885.00	
	c. cement	0.035	mt	14,000.00	490.00	
	d. sand	0.05	cum	3,319.14	165.95	
	e. Jute	1.6	kg	50.00	80.00	
Actual rate						39,115.95
15% contractor overhead						5,867.39
<b>Total (Rs.)</b>						<b>44,983.34</b>

**Rate per Rm Rs. 1405.72**

**1209**

#### **200 mm RCC hump pipe NP2 with collar**

दर विश्लेषणको लागि ३२ मि. लिइएको

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	4	nos	1,185.00	4,740.00	24,340.00
	un skilled	20	nos	980.00	19,600.00	
materials	a.200 mm RCC hump pipe NP2	32	Rm	740.00	23,680.00	27,302.53
	b.200 mm RCC collar	13	nos	193.00	2,509.00	
	c. cement	0.052	mt	14,000.00	728.00	
	d. sand	0.08	cum	3,319.14	265.53	
	e. Jute	2.4	kg	50.00	120.00	
Actual rate						51,642.53
15% contractor overhead						7,746.37
<b>Total (Rs.)</b>						<b>59,388.90</b>

**Rate per Rm Rs. 1855.90**

**1210**

#### **300 mm RCC hump pipe NP2 with collar**

दर विश्लेषणको लागि ३२ मि. लिइएको

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	6	nos	1,185.00	7,110.00	28,670.00
	un skilled	22	nos	980.00	21,560.00	
materials	a.300 mm RCC hump pipe NP2	32	Rm	1,260.00	40,320.00	46,306.98
	b.300 mm RCC collar	13	nos	324.00	4,212.00	
	c. cement	0.083	mt	14,000.00	1,162.00	
	d. sand	0.13	cum	3,319.14	431.48	
	e. Jute	3.63	kg	50.00	181.50	
Actual rate						74,976.98
15% contractor overhead						11,246.54
<b>Total (Rs.)</b>						<b>86,223.52</b>

**Rate per Rm Rs. 2694.48**

### Sanitary Rate Analysis 2079/080

1211

#### 400 mm RCC hump pipe NP2 with collar

दर विश्लेषणको लागि ३२ मि. लिङ्गको

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	6	nos	1,185.00	7,110.00	28,670.00
	un skilled	22	nos	980.00	21,560.00	
materials	a.400 mm RCC hump pipe NP2	32	Rm	1,750.00	56,000.00	63,637.98
	b.400 mm RCC collar	13	nos	451.00	5,863.00	
	c. cement	0.083	mt	14,000.00	1,162.00	
	d. sand	0.13	cum	3,319.14	431.48	
	e. Jute	3.63	kg	50.00	181.50	
Actual rate						92,307.98
15% contractor overhead						13,846.19
Total (Rs.)						106,154.17

Rate per Rm Rs. 3317.31

1212

#### 600 mm RCC hump pipe NP2 with collar

दर विश्लेषणको लागि ३२ मि. लिङ्गको

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	9	nos	1,185.00	10,665.00	44,965.00
	un skilled	35	nos	980.00	34,300.00	
materials	a.600 mm RCC hump pipe NP2	32	Rm	2,740.00	87,680.00	101,255.74
	b.600 mm RCC collar	13	nos	706.00	9,178.00	
	c. cement	0.218	mt	14,000.00	3,052.00	
	d. sand	0.3	cum	3,319.14	995.74	
	e. Jute	7	kg	50.00	350.00	
Actual rate						146,220.74
15% contractor overhead						21,933.11
Total (Rs.)						168,153.85

Rate per Rm Rs. 5254.80

1213

#### 150 mm RCC hump pipe NP3

दर विश्लेषणको लागि ३२ मि. लिङ्गको

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	1,185.00	3,555.00	18,255.00
	un skilled	15	nos	980.00	14,700.00	
materials	a.150 mm RCC hump pipe NP3	32	Rm	1,310.00	41,920.00	42,655.95
	b. cement	0.035	mt	14,000.00	490.00	
	c. sand	0.05	cum	3,319.14	165.95	
	d. Jute	1.6	kg	50.00	80.00	
Actual rate						60,910.95
15% contractor overhead						9,136.64
Total (Rs.)						70,047.59

Rate per Rm Rs. 2188.98

1214

#### 200 mm RCC hump pipe NP3

दर विश्लेषणको लागि ३२ मि. लिङ्गको

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	4	nos	1,185.00	4,740.00	24,340.00
	un skilled	20	nos	980.00	19,600.00	
materials	a.200 mm RCC hump pipe NP3	32	Rm	1,745.00	55,840.00	56,953.53
	b. cement	0.052	mt	14,000.00	728.00	
	c. sand	0.08	cum	3,319.14	265.53	
	d. Jute	2.4	kg	50.00	120.00	
Actual rate						81,293.53
15% contractor overhead						12,194.02
Total (Rs.)						93,487.55

Rate per Rm Rs. 2921.48

### Sanitary Rate Analysis 2079/080

1215

#### 300 mm RCC hump pipe NP3

दर विश्लेषणको लागि ३२ मि. लिइएको

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	6	nos	1,185.00	7,110.00	28,670.00
	un skilled	22	nos	980.00	21,560.00	
materials	a.300 mm RCC hump pipe NP3	32	Rm	3,140.00	100,480.00	102,254.98
	b. cement	0.083	mt	14,000.00	1,162.00	
	c. sand	0.13	cum	3,319.14	431.48	
	d. Jute	3.63	kg	50.00	181.50	
Actual rate						130,924.98
15% contractor overhead						19,638.74
Total (Rs.)						150,563.72

Rate per Rm Rs. 4705.11

1216

#### 400 mm RCC hump pipe NP3

दर विश्लेषणको लागि ३२ मि. लिइएको

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	6	nos	1,185.00	7,110.00	28,670.00
	un skilled	22	nos	980.00	21,560.00	
materials	a.400 mm RCC hump pipe NP3	32	Rm	4,010.00	128,320.00	130,094.98
	b. cement	0.083	mt	14,000.00	1,162.00	
	c. sand	0.13	cum	3,319.14	431.48	
	d. Jute	3.63	kg	50.00	181.50	
Actual rate						158,764.98
15% contractor overhead						23,814.74
Total (Rs.)						182,579.72

Rate per Rm Rs. 5705.61

1217

#### 600 mm RCC hump pipe NP3

दर विश्लेषणको लागि ३२ मि. लिइएको

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	9	nos	1,185.00	10,665.00	44,965.00
	un skilled	35	nos	980.00	34,300.00	
materials	a.600 mm RCC hump pipe NP3	32	Rm	6,200.00	198,400.00	202,797.74
	b. cement	0.218	mt	14,000.00	3,052.00	
	c. sand	0.3	cum	3,319.14	995.74	
	d. Jute	7	kg	50.00	350.00	
Actual rate						247,762.74
15% contractor overhead						37,164.41
Total (Rs.)						284,927.15

Rate per Rm Rs. 8903.97

### **Sanitary Rate Analysis 2079/080**

1218

#### **140 mm Plastic Gutter Water Pipe ( Half Round)**

दर विश्लेषणको लागि ३० मि. लिइएको

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	6	nos	1,185.00	7,110.00	15,930.00
	un skilled	9	nos	980.00	8,820.00	
materials	a. 140 mm Plastic water pipe (Half round Gutter)	30	Rm	159.00	4,770.00	14,482.00
	b. Joint Bracket	8	nos	257.00	2,056.00	
	c. Short Stop End	1	nos	95.00	95.00	
	d. Stop End Outlet	1	nos	305.00	305.00	
	e. Running Outlet	2	nos	352.00	704.00	
	f. Elbow 90 Degree (with or w/o outlet)	1	nos	432.00	432.00	
	g. Support Bracket	30	nos	77.00	2,310.00	
	h. Rafter Bracket	30	nos	77.00	2,310.00	
	i. Top Bracket	30	nos	50.00	1,500.00	
	Actual rate					
15% contractor overhead						4,561.80
<b>Total (Rs.)</b>						<b>34,973.80</b>

**Rate per Rm Rs. 1165.79**

1219

#### **180 mm Plastic Gutter Water Pipe ( Half Round)**

दर विश्लेषणको लागि ३० मि. लिइएको

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	6	nos	1,185.00	7,110.00	15,930.00
	un skilled	9	nos	980.00	8,820.00	
materials	a. 180 mm Plastic water pipe (Half round Gutter) 3mtrs	10	nos	302.00	3,020.00	17,346.00
	b. Joint Bracket	8	nos	358.00	2,864.00	
	c. Short Stop End	1	nos	140.00	140.00	
	d. Stop End Outlet	1	nos	424.00	424.00	
	e. Running Outlet	2	nos	518.00	1,036.00	
	f. Elbow 90 Degree (with or w/o outlet)	1	nos	592.00	592.00	
	g. Support Bracket	30	nos	108.00	3,240.00	
	h. Rafter Bracket	30	nos	110.00	3,300.00	
	i. Top Bracket	30	nos	91.00	2,730.00	
	Actual rate					
15% contractor overhead						4,991.40
<b>Total (Rs.)</b>						<b>38,267.40</b>

**Rate per Rm Rs. 1275.58**

1220

#### **250 mm Plastic Gutter Water Pipe ( Half Round)**

दर विश्लेषणको लागि ३० मि. लिइएको

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	6	nos	1,185.00	7,110.00	15,930.00
	un skilled	9	nos	980.00	8,820.00	
materials	a. 250 mm Plastic water pipe (Half round Gutter) 3mtrs	10	Nos	650.00	6,500.00	39,293.00
	b. Joint Bracket	8	nos	614.00	4,912.00	
	c. Short Stop End	1	nos	302.00	302.00	
	d. Stop End Outlet	1	nos	802.00	802.00	
	e. Running Outlet	2	nos	965.00	1,930.00	
	f. Elbow 90 Degree (with or w/o outlet)	1	nos	1,387.00	1,387.00	
	g. Support Bracket	30	nos	300.00	9,000.00	
	h. Rafter Bracket	30	nos	318.00	9,540.00	
	i. Top Bracket	30	nos	164.00	4,920.00	
	Actual rate					
15% contractor overhead						8,283.45
<b>Total (Rs.)</b>						<b>63,506.45</b>

**Rate per Rm Rs. 2116.88**