

**PROPOSED POLICE DEPARTMENT PROJECTS KARGIL-LADAKH**

**DETAILED ESTIMATE  
(PHE WORKS)**

| <b>SUMMARY</b> |   |                      |                      |
|----------------|---|----------------------|----------------------|
| <b>S. No.</b>  | <b>Description</b>                                  | <b>Amount (Rs.)</b>  |                      |
|                |   | <b>DSR</b>           | <b>MR</b>            |
| 1.0            | SEWERAGE SYSTEM                                     | 1,926,321.55         | 2,492,738.00         |
| 2.0            | SOIL WASTE & VENT PIPES AND FITTINGS                | 290,543.35           | 6,386,991.00         |
| 3.0            | WATER SUPPLY  | 81,758.15            | 2,918,769.00         |
| 4.0            | SANITARY FIXTURES                                   | 3,031,775.05         | 2,590,090.00         |
| 5.0            | DRAINAGE PUMP FOR BASEMENT                          | 15,018.00            | 312,620.00           |
|                | <b>TOTAL</b>  | <b>5,345,416.10</b>  | <b>14,701,208.00</b> |
|                | <b>TOTAL OF INTERNAL PHE WORKS (DSR + MR ITEMS)</b> | <b>20,046,624.10</b> |                      |



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| S. No. | Description   | Unit  | Qty                           |                                    |              |              |           |                |                                 | TOTAL QTY | Rate in Figures (in Rs.) DSR | Rate in Figures (in Rs.) Non DSR | DSR Amount ( in Rs.) | Non DSR/ MR Amount ( in Rs.) | DSR-2018/ELCT. DSR-2018/FIRE DSR-2019/ N.S.I |
|--------|---|-------|-------------------------------|------------------------------------|--------------|--------------|-----------|----------------|---------------------------------|-----------|------------------------------|----------------------------------|----------------------|------------------------------|--|
|        |   |       | POLICE MULTI-PURPOSE HALL DPL | POLICE BARRACK AT DPL 200 CAPACITY | RESI. TYPE 3 | RESI. TYPE 2 | SP OFFICE | POLICE STATION | POLICE STATION BARRACK 40 CAPA. |           |                              |                                  |                      |                              |  |
| 1.0    | SEWERAGE SYSTEM   |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| 1.1    | Providing and fixing sound insulated Polypropylene piping system as per ON EN 1451-Part 1-6 & EN 12056 Part 1-5 with 3 layer pipe made of PP-C + PP-MV + PP-C in Blue Ral 5014 (halogen and calcium free) colour, push-fit type, food safe, having high impact and stiffness, offering sound levels of not more than 22 dBA as per DIN 4109 at a flow rate of 4 l/s and having pipe ring stiffness as per 1S0/DIS 9969 and tightness as per EN 1277/B and C and DIN 19560, density of pipe = 1.25gms/cm3, elongation = 0.05mm/m0K and tensile strength > 24 N/mm2,with all necessary fittings in blue colour, fitted with factory fitted lip ring including painting with ordinary cement based paint for external installation. (POLOPLAST - PKNG) |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| a)     | 110 mm dia POLO KAL NG  | Metre | 10                            | 5                                  | 10           | 5            | 15        | 10             | 5                               | 60.00     | -                            | 1,878.00                         | -                    | 112680.00                    | NSI  |
| b)     | 150 mm dia POLO KAL NG  | Metre | 135                           | 45                                 | 85           | 80           | 120       | 90             | 55                              | 610.00    | -                            | 3,851.00                         | -                    | 2349110.00                   | NSI  |
| 1.2    | Providing and laying <b>cement concrete</b> 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) <b>up to haunches</b> of S.W. pipes including bed concrete as per standard design :  |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 19.3   |
| a)     | 100mm diameter S.W. / RCC pipe  | Metre | 10                            | 5                                  | 10           | 5            | 15        | 10             | 5                               | 60.00     | 388.30                       | -                                | 23298.00             | -                            | 19.3.1                                       |
| b)     | 150mm diameter S.W. / RCC pipe  | Metre | 135                           | 45                                 | 85           | 80           | 120       | 90             | 55                              | 610.00    | 629.30                       | -                                | 383873.00            | -                            | 19.3.4                                       |
| 1.3    | Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design:   |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 19.4   |
|        | 150 x 100mm size P-type   |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 19.4.2                                       |
| a)     | With common burnt clay F.P.S. (non modular) bricks of class designation 7.5   | Each  | 5                             | 4                                  | 6            | 4            | 10        | 5              | 3                               | 37.00     | 2317.4                       | -                                | 85743.80             | -                            | 19.4.2.1                                     |



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|        |  |       | POLICE MULTI-PURPOSE HALL DPL | POLICE BARRACK AT DPL 200 CAPACITY | RESI. TYPE 3 | RESI. TYPE 2 | SP OFFICE | POLICE STATION | POLICE STATION BARRACK 40 CAPA. |           |                              |                                  |                      |                              |  |
| 1.4    | Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone- III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :  |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 19.7   |
|        | Inside size <b>90x80 cm and 45 cm deep</b> including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :  |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 19.7.1   |
| a)     | With common burnt clay F.P.S. (non modular) bricks of class designation 7.5  | Each  | 12                            | 4                                  | 8            | 8            | 12        | 14             | 6                               | 64.00     | 10905.05                     | -                                | 697923.20            | -                            | 19.7.1.1                                       |
|        |  |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| 1.5    | Extra for <b>depth</b> for manholes :  |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 19.8   |
|        | Size 90 x 80 cm  |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 19.8.1   |
| a)     | With common burnt clay F.P.S. (non modular) bricks of class designation 7.5  | Metre | 1.5                           | 0.5                                | 1.5          | 1.5          | 2.5       | 3              | 1                               | 11.50     | 7503                         | -                                | 86284.50             | -                            | 19.8.1.1                                       |
|        |  |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| 1.6    | Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910, on 12 mm dia steel bar conforming to IS: 1786, having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design. |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 19.16  |
|        |  | Each  | 8                             | 2                                  | 6            | 6            | 10        | 10             | 6                               | 48.00     | 463.05                       | -                                | 22226.40             | -                            |  |
|        |  |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |



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|--------|---|-------|-------------------------------|------------------------------------|--------------|--------------|-----------|----------------|---------------------------------|-----------|------------------------------|----------------------------------|----------------------|------------------------------|--|
|        |   |       | POLICE MULTI-PURPOSE HALL DPL | POLICE BARRACK AT DPL 200 CAPACITY | RESI. TYPE 3 | RESI. TYPE 2 | SP OFFICE | POLICE STATION | POLICE STATION BARRACK 40 CAPA. |           |                              |                                  |                      |                              |  |
| 1.7    | Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.  |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 2.6  |
| a)     | All kinds of soil   | Cum   | 22                            | 12                                 | 16           | 16           | 25        | 29             | 12                              | 132.00    | 181.85                       | -                                | 24004.20             | -                            | 2.6.1  |
| 1.8    | Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.   | Cum   | 4                             | 2                                  | 3            | 3            | 4         | 5              | 2                               | 23.00     | 219.65                       | -                                | 5051.95              | -                            | 2.25   |
| 1.9    | Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 2.10   |
| a)     | All kind of soil  |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 2.10.1                                       |
|        | Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia  | Metre | 145                           | 50                                 | 95           | 85           | 135       | 100            | 60                              | 670.00    | 364.2                        | -                                | 244014.00            | -                            | 2.10.1.2                                     |
| 1.10   | Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design.   |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 19.32  |
| a)     | With common burnt clay F.P.S. (non modular) bricks of class designation 7.5   | Each  | 2                             | 2                                  | 2            | 2            | 2         | 2              | 2                               | 14.00     | 25278.75                     | -                                | 353902.50            | -                            | 19.32.1                                      |
| 1.11   | Providing and fixing C.I. medium duty Manhole Cover with frame size 600x600mm total weight 38 kg. complete in all respects. (For Grease Trap)   | Each  | 2                             |                                    |              |              | 2         |                | 2                               | 6.00      |                              | 5,158.00                         | -                    | 30948.00                     | NSI  |
|        | <b>TOTAL OF SEWERAGE SYSTEM CARRIED OVER TO SUMMARY</b>   |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  | <b>1,926,321.55</b>  | <b>2,492,738.00</b>          |  |



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|        |   |       | POLICE MULTI-PURPOSE HALL DPL | POLICE BARRACK AT DPL 200 CAPACITY | RESI. TYPE 3 | RESI. TYPE 2 | SP OFFICE | POLICE STATION | POLICE STATION BARRACK 40 CAPA. |           |                              |                                  |                      |                              |  |
| 2.0    | SOIL WASTE & VENT PIPES AND FITTINGS  |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| 2.1    | Providing and fixing sound insulated Polypropylene piping system as per ON EN 1451-Part 1-6 & EN 12056 Part 1-5 with 3 layer pipe made of PP-C + PP-MV + PP-C in Blue Ral 5014 (halogen and calcium free) colour, push-fit type, food safe, having high impact and stiffness, offering sound levels of not more than 22 dBA as per DIN 4109 at a flow rate of 4 l/s and having pipe ring stiffness as per 1S0/DIS 9969 and tightness as per EN 1277/B and C and DIN 19560, density of pipe = 1.25gms/cm3, elongation = 0.05mm/m0K and tensile strength > 24 N/mm2,with all necessary fittings in blue colour, fitted with factory fitted lip ring including painting with ordinary cement based paint for external installation. (POLOPLAST - PKNG) |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| a)     | 75 mm dia POLO KAL NG   | Metre | 35                            | 55                                 | 85           | 55           | 130       | 95             | 30                              | 485.00    | -                            | 1157.00                          | -                    | 561,145.00                   | NSI  |
| b)     | 110 mm dia POLO KAL NG  | Metre | 310                           | 335                                | 270          | 190          | 410       | 220            | 230                             | 1965.00   | -                            | 1944.00                          | -                    | 3,819,960.00                 | NSI  |
| c)     | 160 mm dia POLO KAL NG  | Metre | 50                            |                                    |              |              | 30        |                |                                 | 80.00     | -                            | 4030.00                          | -                    | 322,400.00                   | NSI  |
| 2.2    | Providing and fixing sound insulated Polypropylene piping system as per ON EN 1451-Part 1-6 & EN 12056 Part 1-5 with 3 layer pipe made of PP-C + PP-MV + PP-C in Blue Ral 5014 (halogen and calcium free) colour, push-fit type, food safe, having high impact and stiffness, offering sound levels of not more than 22 dBA as per DIN 4109 at a flow rate of 4 l/s and having pipe ring stiffness as per 1S0/DIS 9969 and tightness as per EN 1277/B and C and DIN 19560, density of pipe = 1.25gms/cm3, elongation = 0.05mm/m0K and tensile strength > 24 N/mm2,with all necessary fittings in blue colour, fitted with factory fitted lip ring. (POLOPLAST - PKNG) - For indirect waste/sinks, wash bassin etc.)                                 |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| a)     | 40 mm (OD) - POLOKAL NG   | Metre | 30                            | 15                                 | 25           | 15           | 45        | 25             | 25                              | 180.00    | -                            | 738.00                           | -                    | 132,840.00                   | NSI  |
| b)     | 50 mm (OD) - POLO KAL NG  | Metre | 15                            | 10                                 | 20           | 15           | 35        | 30             | 10                              | 135.00    | -                            | 738.00                           | -                    | 99,630.00                    | NSI  |
| 2.3    | Providing and fixing PP white Trap (HC 46 (INDIA)) with minimum 50mm water seal with rubber seal on inlet to push fit hopper for indirect waste connections (McAlpine, UK).   |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| a)     | 110 mm inlet & 110 mm outlet.   | Each  | 35                            | 48                                 | 36           | 24           | 44        | 32             | 33                              | 252.00    | -                            | 2879.00                          | -                    | 725,508.00                   | NSI  |



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|--------|--|------|-------------------------------|------------------------------------|--------------|--------------|-----------|----------------|---------------------------------|-----------|------------------------------|----------------------------------|----------------------|------------------------------|--|
|        |  |      | POLICE MULTI-PURPOSE HALL DPL | POLICE BARRACK AT DPL 200 CAPACITY | RESI. TYPE 3 | RESI. TYPE 2 | SP OFFICE | POLICE STATION | POLICE STATION BARRACK 40 CAPA. |           |                              |                                  |                      |                              |  |
| 2.4    | Providing, fixing, testing and commissioning of pipe inlet fittings fabricated with P.P. Pipe with maximum 3 inlets 40, 50 & 75 mm OD size poloplast pipe, ( or by Fixing Tee 110 x 50/110x75 mm and connecting waste pipe by making header ( pipe will be measured included fitting in RMT. )) fixed to 'P' traps including Dripseal/Pipe seal/solvent weld joint/rubber ring joint complete. | Each | 35                            | 48                                 | 36           | 24           | 44        | 32             | 33                              | 252.00    | -                            | 2879.00                          | -                    | 725,508.00                   |  |
| 2.5    | Providing and laying in position <b>cement concrete</b> of specified grade excluding the cost of centring and shuttering - All work up to plinth level.  |      |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 4.1  |
| (a)    | 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)   | Cum  | 11.2                          | 10.78                              | 5.28         | 3.96         | 8.14      | 6.38           | 7.26                            | 53.00     | 5481.95                      | -                                | 290,543.35           | -                            | 4.1.3  |
|        | <b>TOTAL OF SOIL WASTE &amp; VENT PIPES AND FITTINGS CARRIED OVER TO SUMMARY</b>   |      |                               |                                    |              |              |           |                |                                 |           |                              |                                  | <b>290,543.35</b>    | <b>6,386,991.00</b>          |  |



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|        |  |       | POLICE MULTI-PURPOSE HALL DPL | POLICE BARRACK AT DPL 200 CAPACITY | RESI. TYPE 3 | RESI. TYPE 2 | SP OFFICE | POLICE STATION | POLICE STATION BARRACK 40 CAPA. |           |                              |                                  |                      |                              |  |
| 3.0    | WATER SUPPLY   |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| 3.1    | Providing and fixing Giacoquest <b>PEX piping system</b> with brass lead free fittings, NSF approved with crimp joints as required complete.(Giacomini , Italy). (For concealed pipes)   |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| a)     | 15 mm dia  | Metre | 35                            | 45                                 | 45           | 30           | 50        | 50             | 25                              | 280.00    | -                            | 369.00                           | -                    | 103,320.00                   | NSI  |
| b)     | 20 mm dia  | Metre | 145                           | 110                                | 600          | 425          | 310       | 165            | 90                              | 1845.00   | -                            | 483.00                           | -                    | 891,135.00                   | NSI  |
| c)     | 25 mm dia  | Metre | 55                            | 70                                 | 30           | 20           | 80        | 25             | 40                              | 320.00    | -                            | 722.00                           | -                    | 231,040.00                   | NSI  |
| 3.2    | Providing and fixing <b>Sleeve (Size=21mm)</b> in blue color for passing PEX Giacomini piping through the same for easy removal for repairing.   |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| a)     | 15 mm dia  | Metre | 35                            | 45                                 | 45           | 30           | 50        | 50             | 25                              | 280.00    | -                            | 74.00                            | -                    | 20,720.00                    | NSI  |
| b)     | 20 mm dia  | Metre | 145                           | 110                                | 600          | 425          | 310       | 165            | 90                              | 1845.00   | -                            | 74.00                            | -                    | 136,530.00                   | NSI  |
| c)     | 25 mm dia  | Metre | 55                            | 70                                 | 30           | 20           | 80        | 25             | 40                              | 320.00    | -                            | 74.00                            | -                    | 23,680.00                    | NSI  |
| 3.3    | Providing and fixing Polo Ultra-V (UV protected) ML5 PP-r PE80 glass fibre compound 5 layer pipe in black colour classified according to DIN EN 21003 having linear expansion coefficient 0.038mm/mK with proprietry Polo-Ecosan fittings complete, of food grade quality,jointing to be done by socket fussion including painting with cement/other paint as required for external/exposed installation. (for use in shafts, basements, terrace & all internal applications) POLOPLAST - GERMANY. (For concealed & exposed pipes) |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| a)     | 20x2.8 mm (OD)   | Metre | 10                            | 10                                 | 20           | 15           | 10        | 50             | 10                              | 125.00    | -                            | 443.00                           | -                    | 55,375.00                    | NSI  |
| b)     | 25x3.5 mm (OD)   | Metre | 90                            | 90                                 | 25           | 25           | 75        | 70             | 90                              | 465.00    | -                            | 571.00                           | -                    | 265,515.00                   | NSI  |
| c)     | 32x4.4 mm (OD)   | Metre | 115                           | 125                                | 90           | 90           | 115       | 130            | 125                             | 790.00    | -                            | 795.00                           | -                    | 628,050.00                   | NSI  |
| d)     | 40x5.5 mm (OD)   | Metre | 35                            | 35                                 | 45           | 45           | 50        | 35             | 35                              | 280.00    | -                            | 1058.00                          | -                    | 296,240.00                   | NSI  |
| e)     | 50x6.9 mm (OD)   | Metre | 60                            | 60                                 | 20           | 20           | 65        | 50             | 60                              | 335.00    | -                            | 1536.00                          | -                    | 514,560.00                   | NSI  |
| f)     | 65x8.6 mm (OD)   | Metre | 15                            | 15                                 | 15           | 15           | 15        | 15             | 15                              | 105.00    | -                            | 2802.00                          | -                    | 294,210.00                   | NSI  |
| g)     | 75x10.3 mm (OD)  | Metre |                               |                                    |              |              | 15        | 15             |                                 | 30.00     | -                            | 3732.00                          | -                    | 111,960.00                   | NSI  |



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|--------|--|-------|-------------------------------|------------------------------------|--------------|--------------|-----------|----------------|---------------------------------|-----------|------------------------------|----------------------------------|----------------------|------------------------------|--|
|        |  |       | POLICE MULTI-PURPOSE HALL DPL | POLICE BARRACK AT DPL 200 CAPACITY | RESI. TYPE 3 | RESI. TYPE 2 | SP OFFICE | POLICE STATION | POLICE STATION BARRACK 40 CAPA. |           |                              |                                  |                      |                              |  |
| 3.4    | Providing and fixing Polo Ultra-V (UV protected) ML5 PP-r PE80 glass fibre compound 5 layer pipe in black colour classified according to DIN EN 21003 having linear expansion coefficient 0.038mm/mK with propriety Polo-Ecosan fittings complete, of food grade quality, jointing to be done by socket fussion including painting with cement/other paint as required for external/exposed installation. (for use in external applications) POLOPLAST - GERMANY. (For External pipes) |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| a)     | 25x3.5 mm (OD)   | Metre | 10                            | 10                                 |              |              |           |                | 10                              | 30.00     | -                            | 514.00                           | -                    | 15,420.00                    | NSI  |
| b)     | 32x4.4 mm (OD)   | Metre |                               |                                    | 10           | 10           |           | 10             |                                 | 30.00     | -                            | 738.00                           | -                    | 22,140.00                    | NSI  |
| c)     | 40x5.5 mm (OD)   | Metre |                               |                                    |              |              | 10        |                |                                 | 10.00     | -                            | 1001.00                          | -                    | 10,010.00                    | NSI  |
| 3.5    | Providing and fixing high pressure <b>Float Valves</b> of PN-6 rating for Overhead water tanks.  |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| a)     | 25 mm nominal bore   | Each  | 1                             | 1                                  |              |              |           |                | 1                               | 3.00      |                              | 5000.00                          | -                    | 15000.00                     | NSI  |
| b)     | 32 mm nominal bore   | Each  |                               |                                    | 1            | 1            |           | 1              |                                 | 3.00      |                              | 6500.00                          | -                    | 19500.00                     | NSI  |
| c)     | 40 mm nominal bore   | Each  |                               |                                    |              |              | 1         |                |                                 | 1.00      |                              | 8500.00                          | -                    | 8500.00                      | NSI  |
| 3.6    | Providing and fixing in position pre-cast R.C.C. <b>manhole cover</b> and frame of required shape and approved quality   |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 19.19  |
| (a)    | H D - 20   |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 19.19.3                                      |
|        | Circular shape 560 mm internal diameter (For over head tanks)  | Each  | 6                             | 6                                  | 4            | 4            | 6         | 6              | 6                               | 38.00     | 1471.50                      | -                                | 55917.00             | -                            | 19.19.3.1                                    |
| 3.7    | Providing, fixing, testing & commissioning of lever operated gun metal <b>ball valve</b> with SS ball.   |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| a)     | 20mm nominal bore  | Each  | 1                             | 1                                  | 24           | 24           | 3         | 6              | 2                               | 61.00     | -                            | 1200.00                          | -                    | 73200.00                     | NSI  |
| b)     | 25mm nominal bore  | Each  | 10                            | 4                                  | 31           | 19           | 20        | 5              | 6                               | 95.00     | -                            | 1415.00                          | -                    | 134425.00                    | NSI  |
| c)     | 32mm nominal bore  | Each  | 5                             | 11                                 | 5            | 5            | 5         | 9              | 8                               | 48.00     | -                            | 2442.00                          | -                    | 117216.00                    | NSI  |
| d)     | 40mm nominal bore  | Each  | 4                             | 4                                  | 2            | 2            | 5         | 4              | 4                               | 25.00     | -                            | 3325.00                          | -                    | 83125.00                     | NSI  |
| e)     | 50mm nominal bore  | Each  | 3                             | 3                                  | 3            | 3            | 3         | 2              | 2                               | 19.00     | -                            | 5050.00                          | -                    | 95950.00                     | NSI  |
| f)     | 65mm nominal bore  | Each  | 1                             | 1                                  | 1            | 1            | 1         | 2              | 1                               | 8.00      | -                            | 8393.00                          | -                    | 67144.00                     | NSI  |
| 5.3.1  | <b>BUTTERFLY VALVE</b> (MANUAL) with C I body SS Disc, Nitrile Rubber Seal & O- Ring PN 16 pressure rating for chilled water/hot eater circulation as specified  |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 16.7.1                                       |
| a)     | 80 mm dia  | Each  |                               |                                    |              |              | 2         | 2              |                                 | 4.00      | 3691                         | -                                | 14764.00             | -                            | ELECT. DSR 2018 / 16.7.1.5                   |
| 3.8    | Providing, fixing, testing and commissioning of <b>Air Release Valves</b> screwed ends with ball valve of approved brand of manufacture, with accessories etc., complete.  |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| a)     | 15mm dia   | Each  | 3                             | 3                                  | 3            | 3            | 3         | 3              | 3                               | 21.00     | -                            | 882.00                           | -                    | 18522.00                     | NSI  |



**PROPOSED POLICE DEPARTMENT PROJECTS KARGIL-LADAKH**

**DETAILED ESTIMATE  
(PHE WORKS)**

| S. No. | Description  | Unit  | Qty                           |                                    |              |              |           |                |                                 | TOTAL QTY | Rate in Figures (in Rs.) DSR | Rate in Figures (in Rs.) Non DSR | DSR Amount ( in Rs.) | Non DSR/ MR Amount ( in Rs.) | DSR-2018/ELCT. DSR-2018/FIRE DSR-2019/ N.S.I |
|--------|--|-------|-------------------------------|------------------------------------|--------------|--------------|-----------|----------------|---------------------------------|-----------|------------------------------|----------------------------------|----------------------|------------------------------|--|
|        |  |       | POLICE MULTI-PURPOSE HALL DPL | POLICE BARRACK AT DPL 200 CAPACITY | RESI. TYPE 3 | RESI. TYPE 2 | SP OFFICE | POLICE STATION | POLICE STATION BARRACK 40 CAPA. |           |                              |                                  |                      |                              |  |
| 3.9    | Providing, fixing, testing & commissioning of <b>class-O Careflex ST insulation</b> 6mm thick to hot water pipe and fittings and valves as per manufacturer's recommendations complete to satisfaction of Engineer in charge.  |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| a)     | 15mm nominal bore (6 mm thick insulation)  | Meter | 35                            | 45                                 | 45           | 30           | 50        | 50             | 25                              | 280.00    | -                            | 56.00                            | -                    | 15680.00                     | NSI  |
| b)     | 20mm nominal bore (6 mm thick insulation)  | Meter | 145                           | 110                                | 600          | 425          | 310       | 165            | 90                              | 1845.00   | -                            | 67.00                            | -                    | 123615.00                    | NSI  |
| c)     | 25mm nominal bore (6 mm thick insulation)  | Meter | 55                            | 70                                 | 30           | 20           | 80        | 25             | 40                              | 320.00    | -                            | 74.00                            | -                    | 23680.00                     | NSI  |
| 4.7    | Providing and fixing insulation to Pipes with 50mm thick resin bonded preformed mineral wool pipe sections of density not less than 144 kg/cum. as per IS:9842 and applying 26g Aluminium sheet as cladding, properly rolled and grooved with joints sealed with a strap of roofing felt (type-III Grade-I conforming to IS:1322) complete with self tapping screws centre to centre distance of 150mm to close cladding joints. The pipes shall be painted with zinc chromate primer before applying insulation.  |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| a)     | 20mm nominal bore  | Meter | 10                            | 10                                 | 20           | 15           | 10        | 50             | 10                              | 125.00    | -                            | 300.00                           | -                    | 37500.00                     | NSI  |
| b)     | 25mm nominal bore  | Meter | 90                            | 90                                 | 25           | 25           | 75        | 70             | 90                              | 465.00    | -                            | 350.00                           | -                    | 162750.00                    | NSI  |
| c)     | 32mm nominal bore  | Meter | 115                           | 125                                | 90           | 90           | 115       | 130            | 125                             | 790.00    | -                            | 380.00                           | -                    | 300200.00                    | NSI  |
| d)     | 40 mm nominal bore.  | Meter | 35                            | 35                                 | 45           | 45           | 50        | 35             | 35                              | 280.00    | -                            | 430.00                           | -                    | 120400.00                    | NSI  |
| e)     | 50 mm nominal bore   | Meter | 60                            | 60                                 | 20           | 20           | 65        | 50             | 60                              | 335.00    | -                            | 480.00                           | -                    | 160800.00                    | NSI  |
| f)     | 65 mm nominal bore   | Meter | 15                            | 15                                 | 15           | 15           | 15        | 15             | 15                              | 105.00    | -                            | 600.00                           | -                    | 63000.00                     | NSI  |
| g)     | 80 mm nominal bore   | Meter |                               |                                    |              |              |           |                | 15                              | 15.00     | -                            | 800.00                           | -                    | 12000.00                     | NSI  |
| 3.10   | Constructing masonry Chamber 30x30x50 cm inside, in brick work in cement mortar 1:4 (1 cement :4 coarse sand) for stop cock, with C. I. surface box 100x100 x75 mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 ( 1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size ) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12mm thick, finished with a floating coat of neat cement complete as per standard design : |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 18.32  |
| a)     | With common burnt clay F.P.S.(non modular) bricks of class designation 7.5   | Each  | 1                             | 1                                  | 1            | 1            | 1         | 1              | 1                               | 7.00      | 1,582.45                     | -                                | 11077.15             | -                            | 18.32.1                                      |



**PROPOSED POLICE DEPARTMENT PROJECTS KARGIL-LADAKH**

**DETAILED ESTIMATE  
(PHE WORKS)**

| S. No. | Description   | Unit | Qty                           |                                    |              |              |           |                |                                 | TOTAL QTY | Rate in Figures (in Rs.) DSR | Rate in Figures (in Rs.) Non DSR | DSR Amount ( in Rs.) | Non DSR/ MR Amount ( in Rs.) | DSR-2018/ELCT. DSR-2018/FIRE DSR-2019/ N.S.I |
|--------|---|------|-------------------------------|------------------------------------|--------------|--------------|-----------|----------------|---------------------------------|-----------|------------------------------|----------------------------------|----------------------|------------------------------|--|
|        |   |      | POLICE MULTI-PURPOSE HALL DPL | POLICE BARRACK AT DPL 200 CAPACITY | RESI. TYPE 3 | RESI. TYPE 2 | SP OFFICE | POLICE STATION | POLICE STATION BARRACK 40 CAPA. |           |                              |                                  |                      |                              |  |
| 3.11   | Providing & fixing M.S. Puddle Flange fabricated of 600 mm long 'C' class pipe pieces with screwed ends with center of pipe welded with 6mm thick M.S. plate of size (100mm+D) X (100mm+D) for R.C.C. water tank walls / slabs. The entire fitting shall be hot dipped galvanised. (D indicated above nominal dia metre of pipe in mm). |      |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| a)     | 25mm dia  | Each | 8                             | 8                                  | 6            | 6            | 8         | 8              | 8                               | 52.00     | -                            | 813.00                           | -                    | 42276.00                     | NSI  |
| b)     | 32mm dia  | Each | 6                             | 6                                  | 6            | 6            | 6         | 6              | 6                               | 42.00     | -                            | 1,162.00                         | -                    | 48804.00                     | NSI  |
| c)     | 40mm dia  | Each | 10                            | 10                                 | 8            | 8            | 10        | 10             | 10                              | 66.00     | -                            | 1,452.00                         | -                    | 95832.00                     | NSI  |
| d)     | 50mm dia  | Each | 8                             | 8                                  | 4            | 4            | 8         | 8              | 8                               | 48.00     | -                            | 1,742.00                         | -                    | 83616.00                     | NSI  |
| e)     | 65mm dia  | Each | 6                             | 6                                  | 6            | 6            | 6         | 6              | 6                               | 42.00     | -                            | 2,033.00                         | -                    | 85386.00                     | NSI  |
| f)     | 80mm dia  | Each | 8                             | 8                                  | 8            | 8            | 8         | 8              | 8                               | 56.00     | -                            | 2,323.00                         | -                    | 130088.00                    | NSI  |
| g)     | 100mm dia   | Each | 6                             | 6                                  | 6            | 6            | 6         | 6              | 6                               | 42.00     | -                            | 2,904.00                         | -                    | 121968.00                    | NSI  |
| h)     | 150mm dia   | Each | 10                            | 10                                 |              |              | 10        | 10             | 10                              | 50.00     | -                            | 3,485.00                         | -                    | 174250.00                    | NSI  |
| i)     | 200mm dia   | Each | 6                             | 6                                  |              |              | 6         | 6              | 6                               | 30.00     | -                            | 5,227.00                         | -                    | 156810.00                    | NSI  |
| j)     | 250mm dia   | Each | 2                             | 2                                  |              |              | 2         | 2              | 2                               | 10.00     | -                            | 7,550.00                         | -                    | 75500.00                     | NSI  |
| 3.12   | Providing, fixing, testing and commissioning of 100mm dia <b>G.I. Vent Pipe</b> on Under ground and over head tank including cost of 2 Nos. 90° bend and painting with enamel paint complete with in all respect.(100mm Dia)  | Each | 6                             | 6                                  | 4            | 4            | 6         | 6              | 6                               | 38.00     | -                            | 7,764.00                         | -                    | 295032.00                    | NSI  |
|        | <b>TOTAL OF INTERNAL WATER SUPPLY SYSTEM CARRIED OVER TO SUMMARY</b>  |      |                               |                                    |              |              |           |                |                                 |           |                              |                                  | <b>81,758.15</b>     | <b>2,918,769.00</b>          |  |



**PROPOSED POLICE DEPARTMENT PROJECTS KARGIL-LADAKH**

**DETAILED ESTIMATE  
(PHE WORKS)**

| S. No. | Description   | Unit | Qty                           |                                    |              |              |           |                |                                 | TOTAL QTY | Rate in Figures (in Rs.) DSR | Rate in Figures (in Rs.) Non DSR | DSR Amount ( in Rs.) | Non DSR/ MR Amount ( in Rs.) | DSR-2018/ELCT. DSR-2018/FIRE DSR-2019/ N.S.I |
|--------|---|------|-------------------------------|------------------------------------|--------------|--------------|-----------|----------------|---------------------------------|-----------|------------------------------|----------------------------------|----------------------|------------------------------|--|
|        |   |      | POLICE MULTI-PURPOSE HALL DPL | POLICE BARRACK AT DPL 200 CAPACITY | RESI. TYPE 3 | RESI. TYPE 2 | SP OFFICE | POLICE STATION | POLICE STATION BARRACK 40 CAPA. |           |                              |                                  |                      |                              |  |
| 4.0    | SANITARY FIXTURES   |      |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| 4.1    | Providing and fixing white vitreous china extended wall mounting water closet of size 780x370x690 mm of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/ 6 litre (adjustable to 4 litre/ 8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete. | Each | 22                            | 24                                 | 12           | 6            | 19        | 17             | 16                              | 116.00    | 13852.45                     | -                                | 1606884.20           | -                            | 17.78  |
| 4.2    | Providing and fixing white vitreous china battery based infrared sensor operated urinal of approx. size 610 x 390 x 370 mm having pre & post flushing with water (250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge.      | Each | 5                             |                                    |              |              | 14        | 6              |                                 | 25.00     | 6913.9                       | -                                | 172847.50            | -                            | 17.80  |
| 4.3    | Providing and fixing <b>wash basin</b> with C.I. brackets, 15 mm <b>C.P. brass pillar taps</b> , 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:   |      |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 17.7   |
| a)     | White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps   | Each |                               |                                    |              |              |           | 2              |                                 | 2.00      | 3087.7                       | -                                | 6175.40              | -                            | 17.7.1                                       |
| 4.4    | Providing and fixing <b>wash basin</b> with C.I. brackets, 15 mm dia <b>CP Brass single hole basin mixer</b> of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:-   |      |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 17.7A  |
| a)     | (a) White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer   | Each | 12                            | 12                                 | 12           | 6            | 25        | 18             | 8                               | 93.00     | 4403.8                       | -                                | 409553.40            | -                            | 17.7A  |
| 4.5    | Providing and fixing CP Brass 32mm size <b>Bottle Trap</b> of approved quality & make and as per the direction of Engineer-in-charge.(with wash basin)  | Each | 12                            | 12                                 | 12           | 6            | 25        | 18             | 8                               | 93.00     | 883.05                       | -                                | 82123.65             | -                            | 17.22A                                       |
| 4.6    | Providing and fixing <b>stainless steel</b> A ISI : 304 (18/8) <b>kitchen sink</b> as per IS : 13983 with CI brackets and stainless steel plug 40mm including painting of fittings and brackets, cutting and making good the walls where required.  |      |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 17.10  |
|        | Kitchen sink with drain board   |      |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 17.10.1                                      |
| a)     | 510 x 1040mm bowl depth 250mm   | Each | 2                             |                                    | 6            | 6            | 5         |                | 2                               | 21.00     | 5155.95                      | -                                | 108274.95            | -                            | 17.10.1.1                                    |



**PROPOSED POLICE DEPARTMENT PROJECTS KARGIL-LADAKH**

**DETAILED ESTIMATE  
(PHE WORKS)**

| S. No. | Description  | Unit | Qty                           |                                    |              |              |           |                |                                 | TOTAL QTY | Rate in Figures (in Rs.) DSR | Rate in Figures (in Rs.) Non DSR | DSR Amount ( in Rs.) | Non DSR/ MR Amount ( in Rs.) | DSR-2018/ELCT. DSR-2018/FIRE DSR-2019/ N.S.I |
|--------|--|------|-------------------------------|------------------------------------|--------------|--------------|-----------|----------------|---------------------------------|-----------|------------------------------|----------------------------------|----------------------|------------------------------|--|
|        |  |      | POLICE MULTI-PURPOSE HALL DPL | POLICE BARRACK AT DPL 200 CAPACITY | RESI. TYPE 3 | RESI. TYPE 2 | SP OFFICE | POLICE STATION | POLICE STATION BARRACK 40 CAPA. |           |                              |                                  |                      |                              |  |
| 4.7    | Providing and fixing <b>P.V.C. waste pipe</b> for sink or wash basin including P.V.C. waste fittings complete.   |      |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 17.28  |
|        | Flexible pipe  |      |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 17.28.2                                      |
| a)     | 40 mm dia (for sink)   | Each | 2                             | 0                                  | 6            | 6            | 5         | 0              | 2                               | 21.00     | 101.1                        | -                                | 2123.10              | -                            | 17.28.2.2                                    |
| 4.8    | Providing and fixing C.P. brass <b>bib cock</b> of approved quality confirming to IS : 8931 (with sink & shower)   |      |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 18.49  |
| a)     | 15mm dia nominal bore  | Each |                               |                                    | 6            | 6            |           |                |                                 | 12.00     | 418.95                       | -                                | 5027.40              | -                            | 18.49.1                                      |
| 4.9    | Providing and fixing CP Brass <b>long body bib cock</b> of approved quality confirming to IS standards and weighing not less than 690 gms(with WC)   |      |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 18.51  |
| a)     | 15 mm nominal bore   | Each | 24                            | 24                                 | 12           | 6            | 19        | 17             | 16                              | 118.00    | 552.35                       | -                                | 65177.30             | -                            | 18.51.1                                      |
| 4.10   | Providing and fixing C.P brass <b>angle valve</b> for basin mixer and geyser points of approved quality confirming to IS:8931  |      |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 18.53  |
| (a)    | 15 mm nominal bore   | Each | 88                            | 84                                 | 84           | 48           | 124       | 96             | 58                              | 582.00    | 532                          | -                                | 309624.00            | -                            | 18.53.1                                      |
| 4.11   | Providing and fixing uplasticised PVC <b>connection pipe</b> with brass unions :   |      |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 18.21  |
|        | 30 cm length   |      |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 18.21.1                                      |
| (a)    | 15 mm nominal bore   | Each | 88                            | 84                                 | 84           | 48           | 124       | 96             | 58                              | 582.00    | 72.85                        | -                                | 42398.70             | -                            | 18.21.1.1                                    |
| 4.12   | Providing and fixing <b>toilet paper holder</b> .  |      |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              | 17.34  |
| a)     | Vitreous China   | Each | 24                            | 24                                 | 12           | 6            | 19        | 17             | 16                              | 118.00    | 583.75                       | -                                | 68882.50             | -                            | 17.34.2                                      |
| 4.13   | Providing and fixing 600x450 mm bevelled edge <b>mirror of superior glass</b> (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.   | Each | 14                            | 20                                 | 15           | 5            | 30        | 25             | 10                              | 119.00    | 1283.05                      | -                                | 152682.95            | -                            | 17.31  |
| 4.14   | Providing and fixing vitreous China Sanitary fixturs and CP fitting and other accessories for Handicapped toilet Hindware Cat no. 70002 (Matrix Set-1) or equivalent make CERA Cat. no. CRANE. Each Matrix Set shall comprised (Wash Basin 65 x 35 with one pair mounting brackets, EWC & Cistern complete with fittings & seat cover, one no hinged rail 76 cm and five nos of grab rails 60 cm). complete all respect. | Each | 2                             |                                    |              |              |           |                |                                 | 2.00      | -                            | 82397.00                         | -                    | 164794.00                    | NSI  |
| 4.15   | Providing and fixing CP brass <b>Sink Mixer</b> , mixing fittings equivalent to (JAQUAR Cat. No. CON-309KNBM.  | Each | 2                             |                                    | 6            | 6            | 5         |                | 2                               | 21.00     | -                            | 3355.00                          | -                    | 70455.00                     | NSI  |



**PROPOSED POLICE DEPARTMENT PROJECTS KARGIL-LADAKH**

**DETAILED ESTIMATE  
(PHE WORKS)**

| S. No. | Description   | Unit | Qty                           |                                    |              |              |           |                |                                 | TOTAL QTY | Rate in Figures (in Rs.) DSR | Rate in Figures (in Rs.) Non DSR | DSR Amount ( in Rs.) | Non DSR/ MR Amount ( in Rs.) | DSR-2018/ELCT. DSR-2018/FIRE DSR-2019/ N.S.I |
|--------|---|------|-------------------------------|------------------------------------|--------------|--------------|-----------|----------------|---------------------------------|-----------|------------------------------|----------------------------------|----------------------|------------------------------|--|
|        |   |      | POLICE MULTI-PURPOSE HALL DPL | POLICE BARRACK AT DPL 200 CAPACITY | RESI. TYPE 3 | RESI. TYPE 2 | SP OFFICE | POLICE STATION | POLICE STATION BARRACK 40 CAPA. |           |                              |                                  |                      |                              |  |
| 4.16   | Providing and fixing C.P. brass <b>twin robe hooks equivalent to JAQUAR</b> Cat. No. 1161.  | Each | 24                            | 24                                 | 12           | 6            | 19        | 17             | 16                              | 118.00    | -                            | 606.00                           | -                    | 71508.00                     | NSI  |
| 4.17   | Providing, fixing, testing & commissioning <b>Soap Dispenser</b> equivalent to (JAQUAR Cat No. ACN-1137N).  | Each | 8                             | 6                                  | 12           | 6            | 15        | 14             | 5                               | 66.00     | -                            | 3330.00                          | -                    | 219780.00                    | NSI  |
| 4.18   | Providing, fixing, testing & commissioning <b>S.S. hinged grating</b> , 1.5mm thick with frame equivalent to JAYNA NEW HEAVY GRATINGS Cat. No. NHG 140 including setting in floor with cement mortar 1:3.                           | Each | 35                            | 48                                 | 36           | 24           | 44        | 32             | 28                              | 247.00    | -                            | 853.00                           | -                    | 210691.00                    | NSI  |
| 4.19   | Providing and fixing automatic high pressure <b>electric water heaters</b> equivalent to VENUS with glass lining thermostats with each element and high temperature cut off, necessary insulation, safety valve, etc. all complete. |      |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| a)     | 15 litres   | Each |                               |                                    | 6            | 6            | 7         |                |                                 | 19.00     | -                            | 11720.00                         | -                    | 222680.00                    | NSI  |
| b)     | 25 litres   | Each | 7                             |                                    | 12           | 6            | 11        | 12             | 4                               | 52.00     | -                            | 13481.00                         | -                    | 701012.00                    | NSI  |
| c)     | 35 litres   | Each |                               | 6                                  |              |              |           |                |                                 | 6.00      | -                            | 15833.00                         | -                    | 94998.00                     | NSI  |
| d)     | 50 litres   | Each |                               |                                    |              |              |           |                | 2                               | 2.00      | -                            | 19378.00                         | -                    | 38756.00                     | NSI  |
| 4.20   | Providing and fixing C.P. brass <b>towel ring</b> equivalent to JAQUAR Cat No. ACN-1121N (CONTINENTAL SERIES) complete with C.P. brass brackets fixed to rawl plug of approved design with C.P. brass screws.                       | Each | 8                             |                                    |              |              | 14        | 6              | 2                               | 30.00     | -                            | 1043.00                          | -                    | 31290.00                     | NSI  |
| 4.21   | Providing and Fixing <b>Health Faucet</b> equivalent to JAQUAR Cat. No. ALD-573 make with flexible pipe and wall hook with each European W.C. Pan.  | Each | 24                            | 24                                 | 12           | 6            | 19        | 17             | 16                              | 118.00    | -                            | 1657.00                          | -                    | 195526.00                    | NSI  |
| 4.22   | Providing, fixing, testing & commissioning CP concealed body <b>single lever diverter with 40mm cartige</b> equivalent to Jaquar Cat No. ALD-075.   | Each |                               | 18                                 | 12           | 6            |           | 6              | 8                               | 50.00     | -                            | 3360.00                          | -                    | 168000.00                    | NSI  |
| 4.23   | Providing, fixing, testing & commissioning CP single lever exposed parts <b>kit of divertor</b> equivalent to Jaquar Cat No. FUS-29075K.  | Each |                               | 18                                 | 12           | 6            |           | 6              | 8                               | 50.00     | -                            | 2083.00                          | -                    | 104150.00                    | NSI  |
| 4.24   | Providing, fixing, testing & commissioning CP brass <b>shower rose with shower arm</b> equivalent to <b>Jaguar Cat No. OHS-1989 &amp; SHA-477.</b>  |      |                               | 18                                 | 12           | 6            |           | 6              | 8                               | 50.00     | -                            | 2387.00                          | -                    | 119350.00                    | NSI  |



**PROPOSED POLICE DEPARTMENT PROJECTS KARGIL-LADAKH**

**DETAILED ESTIMATE  
(PHE WORKS)**

| S. No. | Description  | Unit | Qty                           |                                    |              |              |           |                |                                 | TOTAL QTY | Rate in Figures (in Rs.) DSR | Rate in Figures (in Rs.) Non DSR | DSR Amount ( in Rs.) | Non DSR/ MR Amount ( in Rs.) | DSR-2018/ELCT. DSR-2018/FIRE DSR-2019/ N.S.I |
|--------|--|------|-------------------------------|------------------------------------|--------------|--------------|-----------|----------------|---------------------------------|-----------|------------------------------|----------------------------------|----------------------|------------------------------|--|
|        |  |      | POLICE MULTI-PURPOSE HALL DPL | POLICE BARRACK AT DPL 200 CAPACITY | RESI. TYPE 3 | RESI. TYPE 2 | SP OFFICE | POLICE STATION | POLICE STATION BARRACK 40 CAPA. |           |                              |                                  |                      |                              |  |
| 4.25   | Providing, fixing, testing & commissioning CP brass <b>bath spout with wall flange</b> equivalent to Jaguar (Bath Spouts) Cat No. SPJ-429.   | Each |                               | 18                                 | 12           | 6            |           | 6              | 8                               | 50.00     | -                            | 1353.00                          | -                    | 67650.00                     | NSI  |
|        |  |      |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| 4.26   | Providing, fixing, testing & commissioning C.P. brass <b>soap dish</b> equivalent to (Jaquar Cat. No. CAN-1131N) including cutting and making good the walls wherever required complete to the satisfaction of Engineer in charge. | Each |                               | 18                                 | 12           | 6            |           | 6              | 8                               | 50.00     | -                            | 734.00                           | -                    | 36700.00                     | NSI  |
|        |  |      |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| 4.27   | Providing, fixing, testing & commissioning C.P. brass <b>Towel Rail</b> 24" equivalent to JAQUAR Cat. No. ACN-1111SM.  | Each |                               | 18                                 | 12           | 6            |           | 6              | 8                               | 50.00     | -                            | 1455.00                          | -                    | 72750.00                     | NSI  |
|        |  |      |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
|        | <b>TOTAL OF SANITARY FIXTURES AND FITTINGS CARRIED OVER TO SUMMARY</b>   |      |                               |                                    |              |              |           |                |                                 |           |                              |                                  | <b>3,031,775.05</b>  | <b>2,590,090.00</b>          |  |



**PROPOSED POLICE DEPARTMENT PROJECTS KARGIL-LADAKH**

**DETAILED ESTIMATE  
(PHE WORKS)**

| S. No.     | Description   | Unit  | Qty                           |                                    |              |              |           |                | TOTAL QTY                       | Rate in Figures (in Rs.) DSR | Rate in Figures (in Rs.) Non DSR | DSR Amount ( in Rs.) | Non DSR/ MR Amount ( in Rs.) | DSR-2018/ELCT. DSR-2018/FIRE DSR-2019/ N.S.I |
|------------|---|-------|-------------------------------|------------------------------------|--------------|--------------|-----------|----------------|---------------------------------|------------------------------|----------------------------------|----------------------|------------------------------|--|
|            |   |       | POLICE MULTI-PURPOSE HALL DPL | POLICE BARRACK AT DPL 200 CAPACITY | RESI. TYPE 3 | RESI. TYPE 2 | SP OFFICE | POLICE STATION | POLICE STATION BARRACK 40 CAPA. |                              |                                  |                      |                              |  |
| <b>5.0</b> | <b>DRAINAGE PUMP FOR BASEMENT</b>   |       |                               |                                    |              |              |           |                |                                 |                              |                                  |                      |                              |  |
| 5.1        | Providing, fixing and commissioning non clog type mono block submersible drainage pumps suitable for handling solids of 25 - 32 mm size with totally water and dust proof motor as specified complete with motor control panel & control cable from pump to control panel inclusive of all terminations and earthing required all complete.   |       |                               |                                    |              |              |           |                |                                 |                              |                                  |                      |                              |  |
| a)         | Capacity 300 lpm & Head 10 m  | Each  | 2                             |                                    |              |              |           |                |                                 | 2.00                         | -                                | 65000.00             | -                            | 130000.00 NSI                                |
| 5.2        | Providing and fixing Polo Ultra-V (UV protected) ML5 PP-r PE80 glass fibre compound 5 layer pipe in black colour classified according to DIN EN 21003 having linear expansion coefficient 0.038mm/mK with proprietary Polo-Ecosan fittings complete, of food grade quality, jointing to be done by socket fusion including painting with cement/other paint as required for external/exposed installation. (for use in shafts, basements, terrace & all internal applications) POLOPLAST - GERMANY. |       |                               |                                    |              |              |           |                |                                 |                              |                                  |                      |                              |  |
| a)         | 75x10.3 mm (OD)   | Metre | 35                            |                                    |              |              |           |                |                                 | 35.00                        | -                                | 3732.00              | -                            | 130620.00 NSI                                |
| 5.3        | Supplying, fixing, testing and commissioning of following <b>valves</b> strainers, gauges in the chilled water plumbing duly insulated to the same specifications as the connected piping and adequately supported as per specifications.   |       |                               |                                    |              |              |           |                |                                 |                              |                                  |                      |                              | 16.7   |
| 5.3.1      | <b>BUTTERFLY VALVE</b> (MANUAL) with C I body SS Disc, Nitrile Rubber Seal & O- Ring PN 16 pressure rating for chilled water/hot water circulation as specified   |       |                               |                                    |              |              |           |                |                                 |                              |                                  |                      |                              | 16.7.1                                       |
| a)         | 80 mm dia   | Each  | 2                             |                                    |              |              |           |                |                                 | 2.00                         | 3691                             | -                    | 7382.00                      | ELECT. DSR 2018 / 16.7.1.5                   |
| 5.3.2      | <b>NON - RETURN VALVE</b> with dual plate of C I body SS plates vulcanized NBR seal flanged end & PN 16 pressure rating for chilled / hot water circulation including insulation as specified.  |       |                               |                                    |              |              |           |                |                                 |                              |                                  |                      |                              | 16.7.3                                       |
| a)         | 80 mm dia   | Each  | 2                             |                                    |              |              |           |                |                                 | 2.00                         | 3818                             | -                    | 7636.00                      | ELECT. DSR 2018 / 16.7.3.5                   |



**PROPOSED POLICE DEPARTMENT PROJECTS KARGIL-LADAKH**

**DETAILED ESTIMATE  
(PHE WORKS)**

| S. No. | Description  | Unit  | Qty                           |                                    |              |              |           |                |                                 | TOTAL QTY | Rate in Figures (in Rs.) DSR | Rate in Figures (in Rs.) Non DSR | DSR Amount ( in Rs.) | Non DSR/ MR Amount ( in Rs.) | DSR-2018/ELCT. DSR-2018/FIRE DSR-2019/ N.S.I |
|--------|--|-------|-------------------------------|------------------------------------|--------------|--------------|-----------|----------------|---------------------------------|-----------|------------------------------|----------------------------------|----------------------|------------------------------|--|
|        |  |       | POLICE MULTI-PURPOSE HALL DPL | POLICE BARRACK AT DPL 200 CAPACITY | RESI. TYPE 3 | RESI. TYPE 2 | SP OFFICE | POLICE STATION | POLICE STATION BARRACK 40 CAPA. |           |                              |                                  |                      |                              |  |
| 5.4    | Providing, fixing, testing and commissioning of dust, damp and vermin proof, wall mounted factory built sheet steel enclosed nondrawout modular panel (Indoor type) for drainage pumps, fabricated out of suitable sized square tubular section and covered with 2.0mm thick CRCA sheet, hinged doors of 2mm thick CRCA sheet, duly painted complete with earth bus, necessary metering protections & indications and mounted with the following including all inter connection etc. (Including earthing). (For drainage pumps in basement). |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| (ii)   | For drainage pumps in Basement   |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| a)     | One 32 amp MCB.  |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| b)     | One fully tapped Copper bus bar of suitable capacity.  |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| c)     | Two No. 32 A MCB.  |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| d)     | Two fully automatic DOL starters with push buttons indicating lights and overload relay each for drainage pump.  |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| e)     | Two single phasing preventors.   |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| f)     | Two Rotary manual/auto/off switch.   |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| g)     | Space of one liquid level controller   | Set   | 1                             |                                    |              |              |           |                |                                 | 1.00      | -                            | 45000.00                         | -                    | 45000.00                     | NSI  |
| 5.5    | Providing, laying, jointing, testing, & commissioning the PVC insulated & sheathed FRLS Armoured cables of 1.1 K.V. Aluminium Conductor including supplying and making and termination with brass compression glands:  |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  |                      |                              |  |
| a)     | 3 Core x 4.0 sq.mm   | Metre | 25                            |                                    |              |              |           |                |                                 | 25.00     | -                            | 280.00                           | -                    | 7000.00                      | NSI  |
|        | <b>TOTAL OF SANITARY FIXTURES AND FITTINGS CARRIED OVER TO SUMMARY</b>   |       |                               |                                    |              |              |           |                |                                 |           |                              |                                  | <b>15,018.00</b>     | <b>312,620.00</b>            |  |



**ANALYSIS OF RATES  
(NON SCHEDULE ITEMS)**

**PROJECT:- PROPOSED POLICE DEPARTMENT PROJECTS KARGIL-LADAKH**

**Sub Head: SEWERAGE SYSTEM**

**BOQ ITEM NO. 1.1 (a)**

| Sl. No. | Description                                 | 110 MM          | 160 MM          | 200 MM          |
|---------|---|-----------------|-----------------|-----------------|
|         | <b>Detail of Cost for POLO KAL NG pipe</b>  |                 |                 |                 |
| A       | Basic Price(item+accessories) for 10m       | 14600           | 31180           | 54830           |
| B       | Discount @ 25% on A                         | 3650.00         | 7795.00         | 13707.50        |
| C       | Total=(A-B)                                 | <b>10950.00</b> | <b>23385.00</b> | <b>41122.50</b> |
|         | Add for Jointing with cement mortar 5%      | 547.50          | 1169.25         | 2056.13         |
| D       | GST @ 18%                                   | 1971.00         | 4209.30         | 7402.05         |
| E       | Total=(C+D)                                 | <b>13468.50</b> | <b>28763.55</b> | <b>50580.68</b> |
| F       | LABOUR 10%                                  | 1346.85         | 2876.36         | 5058.07         |
| I       | Total=(E to H)                              | <b>14815.35</b> | <b>31639.91</b> | <b>55638.74</b> |
| J       | Add cartage & water charges @ 2% on G       | 296.31          | 632.80          | 1112.77         |
| K       | Total=(I+J)                                 | <b>15111.66</b> | <b>32272.70</b> | <b>56751.52</b> |
| L       | O-Head & Profit @15% on K                   | 2266.75         | 4840.91         | 8512.73         |
| M       | Total=(K+L) Rate for 10m                    | <b>17378.41</b> | <b>37113.61</b> | <b>65264.24</b> |
|         | Rate for 1m                                 | <b>1737.84</b>  | <b>3711.36</b>  | <b>6526.42</b>  |
|         | Add for Excavation as per DSR-2016 (.3X1X1) | 140.00          | 140.00          | 140.00          |
| N       | Cost of POLO KAL NG pipe                    | <b>1877.84</b>  | <b>3851.36</b>  | <b>6666.42</b>  |
|         | SAY   | <b>1878.00</b>  | <b>3851.00</b>  | <b>6666.00</b>  |

**BOQ ITEM NO. 1.15**

| Sl. No. | Description  | Unit | Qty. | Rate    | Amount          |
|---------|--|------|------|---------|-----------------|
|         | <b>Details for 1 manhole cover light duty (600x600) (38 kg.)</b> |      |      |         |                 |
| A       | Cost of manhole cover(600x600) (38 kg.)                          | Each | 1    | 3575.00 | 3,575.00        |
| B       | Less discount @ 20%  |      |      |         | 715.00          |
|         |  |      |      |         | <b>2,860.00</b> |
| C       | GST @ 18%  |      |      |         | 514.80          |
|         |  |      |      |         | <b>3,374.80</b> |
| D       | Carriage& Water @ 1%   |      |      |         | 67.50           |
|         |  |      |      |         | <b>3,442.30</b> |
| E       | Labour   |      |      |         |                 |
|         | Fitter   | Each | 0.5  | 738.00  | 369.00          |
|         | Asst. Fitter   | Each | 0.5  | 679.00  | 339.50          |
|         | Beldar   | Each | 0.6  | 558.00  | 334.80          |
|         |  |      |      |         | <b>4,485.60</b> |
| G       | Add 15% for Contractor's profits and overheads                   |      |      |         | 672.84          |
|         |  |      |      |         | <b>5158.44</b>  |
|         | SAY  |      |      |         | <b>5158.00</b>  |



**ANALYSIS OF RATES  
(NON SCHEDULE ITEMS)**

**PROJECT:- PROPOSED POLICE DEPARTMENT PROJECTS KARGIL-LADAKH**

**Sub Head: SOIL WASTE VENT PIPES AND FITTINGS**

**BOQ ITEM NO. 1.1 (a & b) & 4.1 (a)**

| Sl. No. | Description                                | 75 MM           | 110 MM          | 160 MM          |  |  |
|---------|--|-----------------|-----------------|-----------------|--|--|
|         | <b>Detail of Cost for POLO KAL NG pipe</b> |                 |                 |                 |  |  |
| A       | Basic Price(item+accessories)              | 8340            | 14600           | 31180           |  |  |
| B       | Discount @ 25% on A                        | 2085.00         | 3650.00         | 7795.00         |  |  |
| C       | Total=(A-B)                                | <b>6255.00</b>  | <b>10950.00</b> | <b>23385.00</b> |  |  |
|         | Add for Fittings 15%                       | 938.25          | 1642.50         | 3507.75         |  |  |
|         | Add for Wastage 10%                        | 625.50          | 1095.00         | 2338.50         |  |  |
| D       | GST @ 18%                                  | 1125.90         | 1971.00         | 4209.30         |  |  |
| E       | Total=(C+D)                                | <b>8944.65</b>  | <b>15658.50</b> | <b>33440.55</b> |  |  |
| F       | LABOUR                                     |                 |                 |                 |  |  |
|         | Fitter (Rs. = 738/-) X 0.42                | 309.96          | 309.96          | 309.96          |  |  |
|         | Asstt. Fitter (Rs. = 679/-) X 0.21         | 142.59          | 142.59          | 142.59          |  |  |
|         | Beldar (Rs. = 558/-) X 0.83                | 463.14          | 463.14          | 463.14          |  |  |
| I       | Total=(E to H)                             | <b>9860.34</b>  | <b>16574.19</b> | <b>34356.24</b> |  |  |
| J       | Add cartage & water charges @ 2% on G      | 197.21          | 331.48          | 687.12          |  |  |
| K       | Total=(I+J)                                | <b>10057.55</b> | <b>16905.67</b> | <b>35043.36</b> |  |  |
| L       | O-Head & Profit @15% on K                  | 1508.63         | 2535.85         | 5256.50         |  |  |
| M       | Total=(K+L)                                | <b>1156.62</b>  | <b>1944.15</b>  | <b>4029.99</b>  |  |  |
| N       | Cost of POLO KAL NG pipe                   | <b>1157.00</b>  | <b>1944.00</b>  | <b>4030.00</b>  |  |  |

**BOQ ITEM NO. 1.2 (a & b) & 4.1 (a)**

| Sl. No. | Description                                | 40 MM          | 50 MM          | 75 MM           |  |  |
|---------|--|----------------|----------------|-----------------|--|--|
|         | <b>Detail of Cost for POLO KAL NG pipe</b> |                |                |                 |  |  |
| A       | Basic Price(item+accessories)              | 5010           | 5010           | 8340            |  |  |
| B       | Discount @ 25% on A                        | 1252.50        | 1252.50        | 2085.00         |  |  |
| C       | Total=(A-B)                                | <b>3757.50</b> | <b>3757.50</b> | <b>6255.00</b>  |  |  |
|         | Add for Fittings 15%                       | 563.63         | 563.63         | 938.25          |  |  |
|         | Add for Wastage 10%                        | 375.75         | 375.75         | 625.50          |  |  |
| D       | GST @ 18%                                  | 676.35         | 676.35         | 1125.90         |  |  |
| E       | Total=(C+D)                                | <b>5373.23</b> | <b>5373.23</b> | <b>8944.65</b>  |  |  |
| F       | LABOUR                                     |                |                |                 |  |  |
|         | Fitter (Rs. = 738/-) X 0.42                | 309.96         | 309.96         | 309.96          |  |  |
|         | Asstt. Fitter (Rs. = 679/-) X 0.21         | 142.59         | 142.59         | 142.59          |  |  |
|         | Beldar (Rs. = 558/-) X 0.83                | 463.14         | 463.14         | 463.14          |  |  |
| I       | Total=(E to H)                             | <b>6288.92</b> | <b>6288.92</b> | <b>9860.34</b>  |  |  |
| J       | Add cartage & water charges @ 2% on G      | 125.78         | 125.78         | 197.21          |  |  |
| K       | Total=(I+J)                                | <b>6414.69</b> | <b>6414.69</b> | <b>10057.55</b> |  |  |
| L       | O-Head & Profit @15% on K                  | 962.20         | 962.20         | 1508.63         |  |  |
| M       | Total=(K+L)                                | <b>737.69</b>  | <b>737.69</b>  | <b>1156.62</b>  |  |  |
| N       | Cost of POLO KAL NG pipe                   | <b>738.00</b>  | <b>738.00</b>  | <b>1157.00</b>  |  |  |



**ANALYSIS OF RATES  
(NON SCHEDULE ITEMS)**

**PROJECT:- PROPOSED POLICE DEPARTMENT PROJECTS KARGIL-LADAKH**

**Sub Head: SOIL WASTE VENT PIPES AND FITTINGS**

**BOQ ITEM NO. 1.3 (a)**

| Sl. No. | Description                                    | Unit  | Quantity | Rate    | Amount         |
|---------|--|-------|----------|---------|----------------|
|         | <b>Detail of Cost for uPVC 'P' white Trap</b>  |       |          |         |                |
| A       | Cost of uPVC 'P' trap                          | Metre | 1.0      | 2225.00 | 2225.00        |
| B       | Less Discount @ 25%                            |       |          |         | 556.25         |
|         |  |       |          |         | <b>1668.75</b> |
| C       | GST @ 18%                                      |       |          |         | 300.38         |
| D       | Cement, sand and grit etc.                     | L.S   | 13.52    | 1.78    | 24.07          |
| E       | Carriage of materials                          | L.S   | 2.73     | 1.78    | 4.86           |
| F       | LABOUR   |       |          |         |                |
|         | Fitter 1st class                               | Day   | 0.50     | 435.00  | 217.50         |
|         | Beldar   | Day   | 0.80     | 329.00  | 263.20         |
|         | TOTAL  |       |          |         | <b>2478.75</b> |
| G       | Add 1% for water charges                       |       |          |         | 24.79          |
|         | TOTAL  |       |          |         | <b>2503.54</b> |
| H       | Add 15% for Contractor's profits and overheads |       |          |         | 375.53         |
| J       | TOTAL  |       |          |         | <b>2879.07</b> |
|         | Cost for uPVC 'P' trap                         |       |          |         | <b>2879.07</b> |
|         | SAY  |       |          |         | <b>2879.00</b> |

**2879.00**



**ANALYSIS OF RATES  
(NON SCHEDULE ITEMS)**

**PROJECT:- PROPOSED POLICE DEPARTMENT PROJECTS KARGIL-LADAKH**

**Sub Head: WATER SUPPLY**

**BOQ ITEM NO. 2.1 (a, b & c)**

| Sl. No. | Description  | 15 MM          | 20 MM          | 25 MM          |  |  |
|---------|--|----------------|----------------|----------------|--|--|
|         | <b>Detail of Cost for Giacoquest PEX piping system</b> |                |                |                |  |  |
| A       | Basic Price(item+accessories)                          | 910            | 1600           | 3050           |  |  |
| B       | Discount @ 5% on A                                     | 45.50          | 80.00          | 152.50         |  |  |
| C       | Total=(A-B)  | <b>864.50</b>  | <b>1520.00</b> | <b>2897.50</b> |  |  |
|         | Add for Fittings 20%                                   | 172.90         | 304.00         | 579.50         |  |  |
|         | Add for Wastage 10%                                    | 86.45          | 152.00         | 289.75         |  |  |
| D       | GST @ 18%  | 155.61         | 273.60         | 521.55         |  |  |
| E       | Total=(C+D)  | <b>1279.46</b> | <b>2249.60</b> | <b>4288.30</b> |  |  |
| F       | LABOUR   |                |                |                |  |  |
|         | Fitter (Rs. = 738/-) X 0.33                            | 243.54         | 243.54         | 243.54         |  |  |
|         | Asstt. Fitter (Rs. = 679/-) X 1.31                     | 889.49         | 889.49         | 889.49         |  |  |
|         | Beldar (Rs. = 558/-) X 1.31                            | 730.98         | 730.98         | 730.98         |  |  |
| I       | Total=(E to H)   | <b>3143.47</b> | <b>4113.61</b> | <b>6152.31</b> |  |  |
| J       | Add cartage & water charges @ 2% on G                  | 62.87          | 82.27          | 123.05         |  |  |
| K       | Total=(I+J)  | <b>3206.34</b> | <b>4195.88</b> | <b>6275.36</b> |  |  |
| L       | O-Head & Profit @15% on K                              | 480.95         | 629.38         | 941.30         |  |  |
| M       | Total=(K+L)  | <b>368.73</b>  | <b>482.53</b>  | <b>721.67</b>  |  |  |
| N       | Cost of POLO KAL NG pipe                               | <b>369.00</b>  | <b>483.00</b>  | <b>722.00</b>  |  |  |

**BOQ ITEM NO. 2.2 (a, b & c)**

| Sl. No. | Description                                    | 21 MM         |  |  |  |  |
|---------|--|---------------|--|--|--|--|
|         | <b>Detail of Cost for Sleeve in blue color</b> |               |  |  |  |  |
| A       | Basic Price(item+accessories)                  | 510           |  |  |  |  |
| B       | Discount @ 5% on A                             | 25.50         |  |  |  |  |
| C       | Total=(A-B)                                    | <b>484.50</b> |  |  |  |  |
| D       | GST @ 18%                                      | 87.21         |  |  |  |  |
| E       | Total=(C+D)                                    | <b>571.71</b> |  |  |  |  |
| F       | LABOUR 10%                                     | 57.17         |  |  |  |  |
| I       | Total=(E to H)                                 | <b>628.88</b> |  |  |  |  |
| J       | Add cartage & water charges @ 2% on G          | 12.58         |  |  |  |  |
| K       | Total=(I+J)                                    | <b>641.46</b> |  |  |  |  |
| L       | O-Head & Profit @15% on K                      | 96.22         |  |  |  |  |
| M       | Total=(K+L)                                    | <b>73.77</b>  |  |  |  |  |
| N       | Cost of POLO KAL NG pipe                       | <b>74.00</b>  |  |  |  |  |



**ANALYSIS OF RATES  
(NON SCHEDULE ITEMS)**

**PROJECT:- PROPOSED POLICE DEPARTMENT PROJECTS KARGIL-LADAKH**

**Sub Head: WATER SUPPLY**

**BOQ ITEM NO. 2.3 (a TO h)**

| Sl. No. | Description   | 20 MM          | 25 MM          | 32 MM          | 40 MM          | 50 MM           | 65 MM           | 75 MM           |
|---------|---|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|
|         | <b>Detail of Cost for Polo Ultra-V (UV protected) ML5 PP-r PE80 glass (For Exposed)</b> |                |                |                |                |                 |                 |                 |
| A       | Basic Price(item+accessories)   | 1720           | 2710           | 4430           | 6450           | 10120           | 19840           | 26980           |
| B       | Discount @ 25% on A   | 430.00         | 677.50         | 1107.50        | 1612.50        | 2530.00         | 4960.00         | 6745.00         |
| C       | Total=(A-B)   | <b>1290.00</b> | <b>2032.50</b> | <b>3322.50</b> | <b>4837.50</b> | <b>7590.00</b>  | <b>14880.00</b> | <b>20235.00</b> |
|         | Add for Fittings 20%  | 258.00         | 406.50         | 664.50         | 967.50         | 1518.00         | 2976.00         | 4047.00         |
|         | Add for Wastage 10%   | 129.00         | 203.25         | 332.25         | 483.75         | 759.00          | 1488.00         | 2023.50         |
| D       | GST @ 18%   | 232.20         | 365.85         | 598.05         | 870.75         | 1366.20         | 2678.40         | 3642.30         |
| E       | Total=(C+D)   | <b>1909.20</b> | <b>3008.10</b> | <b>4917.30</b> | <b>7159.50</b> | <b>11233.20</b> | <b>22022.40</b> | <b>29947.80</b> |
| F       | LABOUR  |                |                |                |                |                 |                 |                 |
|         | Fitter (Rs. = 738/-) X 0.33   | 243.54         | 243.54         | 243.54         | 243.54         | 243.54          | 243.54          | 243.54          |
|         | Asstt. Fitter (Rs. = 679/-) X 1.31  | 889.49         | 889.49         | 889.49         | 889.49         | 889.49          | 889.49          | 889.49          |
|         | Beldar (Rs. = 558/-) X 1.31   | 730.98         | 730.98         | 730.98         | 730.98         | 730.98          | 730.98          | 730.98          |
| I       | Total=(E to H)  | <b>3773.21</b> | <b>4872.11</b> | <b>6781.31</b> | <b>9023.51</b> | <b>13097.21</b> | <b>23886.41</b> | <b>31811.81</b> |
| J       | Add cartage & water charges @ 2% on G   | 75.46          | 97.44          | 135.63         | 180.47         | 261.94          | 477.73          | 636.24          |
| K       | Total=(I+J)   | <b>3848.67</b> | <b>4969.55</b> | <b>6916.94</b> | <b>9203.98</b> | <b>13359.15</b> | <b>24364.14</b> | <b>32448.05</b> |
| L       | O-Head & Profit @15% on K   | 577.30         | 745.43         | 1037.54        | 1380.60        | 2003.87         | 3654.62         | 4867.21         |
| M       | Total=(K+L)   | <b>442.60</b>  | <b>571.50</b>  | <b>795.45</b>  | <b>1058.46</b> | <b>1536.30</b>  | <b>2801.88</b>  | <b>3731.53</b>  |
| N       | Cost of POLO KAL NG pipe  | <b>443.00</b>  | <b>571.00</b>  | <b>795.00</b>  | <b>1058.00</b> | <b>1536.00</b>  | <b>2802.00</b>  | <b>3732.00</b>  |

**BOQ ITEM NO. 2.4 (a, b, c, d & e)**

| Sl. No. | Description  | 20 MM          | 25 MM          | 32 MM          | 40 MM          | 50 MM           | 65 MM           | 75 MM           |
|---------|--|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|
|         | <b>Detail of Cost for Polo Ultra-V (UV protected) ML5 PP-r PE80 glass (For External)</b> |                |                |                |                |                 |                 |                 |
| A       | Basic Price(item+accessories)  | 1720           | 2710           | 4430           | 6450           | 10120           | 19840           | 26980           |
| B       | Discount @ 25% on A  | 430.00         | 677.50         | 1107.50        | 1612.50        | 2530.00         | 4960.00         | 6745.00         |
| C       | Total=(A-B)  | <b>1290.00</b> | <b>2032.50</b> | <b>3322.50</b> | <b>4837.50</b> | <b>7590.00</b>  | <b>14880.00</b> | <b>20235.00</b> |
|         | Add for Fittings 20%   | 258.00         | 406.50         | 664.50         | 967.50         | 1518.00         | 2976.00         | 4047.00         |
|         | Add for Wastage 10%  | 129.00         | 203.25         | 332.25         | 483.75         | 759.00          | 1488.00         | 2023.50         |
| D       | GST @ 18%  | 232.20         | 365.85         | 598.05         | 870.75         | 1366.20         | 2678.40         | 3642.30         |
| E       | Total=(C+D)  | <b>1909.20</b> | <b>3008.10</b> | <b>4917.30</b> | <b>7159.50</b> | <b>11233.20</b> | <b>22022.40</b> | <b>29947.80</b> |
| F       | LABOUR   |                |                |                |                |                 |                 |                 |
|         | Fitter (Rs. = 738/-) X 0.37  | 273.06         | 273.06         | 273.06         | 273.06         | 273.06          | 273.06          | 273.06          |
|         | Beldar (Rs. = 558/-) X 0.37  | 368.28         | 368.28         | 368.28         | 368.28         | 368.28          | 368.28          | 368.28          |
|         | Trenching and refilling etc  |                |                |                |                |                 |                 |                 |
|         | Beldar (Rs. = 558/-) X 0.80  | 368.28         | 368.28         | 368.28         | 368.28         | 368.28          | 368.28          | 368.28          |
|         | Coolie (Rs. = 558/-) X 0.80  | 368.28         | 368.28         | 368.28         | 368.28         | 368.28          | 368.28          | 368.28          |
| I       | Total=(E to H)   | <b>3287.10</b> | <b>4386.00</b> | <b>6295.20</b> | <b>8537.40</b> | <b>12611.10</b> | <b>23400.30</b> | <b>31325.70</b> |
| J       | Add cartage & water charges @ 2% on G  | 65.74          | 87.72          | 125.90         | 170.75         | 252.22          | 468.01          | 626.51          |
| K       | Total=(I+J)  | <b>3352.84</b> | <b>4473.72</b> | <b>6421.10</b> | <b>8708.15</b> | <b>12863.32</b> | <b>23868.31</b> | <b>31952.21</b> |
| L       | O-Head & Profit @15% on K  | 502.93         | 671.06         | 963.17         | 1306.22        | 1929.50         | 3580.25         | 4792.83         |
| M       | Total=(K+L)  | <b>385.58</b>  | <b>514.48</b>  | <b>738.43</b>  | <b>1001.44</b> | <b>1479.28</b>  | <b>2744.86</b>  | <b>3674.50</b>  |
| N       | Cost of POLO KAL NG pipe   | <b>386.00</b>  | <b>514.00</b>  | <b>738.00</b>  | <b>1001.00</b> | <b>1479.00</b>  | <b>2745.00</b>  | <b>3675.00</b>  |



**ANALYSIS OF RATES  
(NON SCHEDULE ITEMS)**

**PROJECT:- PROPOSED POLICE DEPARTMENT PROJECTS KARGIL-LADAKH**

**Sub Head: WATER SUPPLY**

**BOQ ITEM NO. 4.10 (a) to 4.10 (f)**

**Providing and fixing lever operated gun metal ball valve with SS ball.**

| Sl. No.                              | Description                       | 15 MM         | (a)<br>20 MM   | (b)<br>25 MM   | ©<br>32 MM     | (d)<br>40 MM   | (e)<br>50 MM   | (f)<br>65 MM   |
|--------------------------------------|-----------------------------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|
| <b>Detail of Cost for Ball Valve</b> |                                   | <b>15 MM</b>  | <b>20 MM</b>   | <b>25 MM</b>   | <b>32 MM</b>   | <b>40 MM</b>   | <b>50 MM</b>   | <b>65 MM</b>   |
| A                                    | Basic Price(item+accessories)     | 645           | 977            | 1219           | 2372           | 3363           | 5299           | 9052           |
| B                                    | Discount @ 35% on A               | 225.75        | 341.95         | 426.65         | 830.20         | 1177.05        | 1854.65        | 3168.20        |
| C                                    | Total=(A-B)                       | <b>419.25</b> | <b>635.05</b>  | <b>792.35</b>  | <b>1541.80</b> | <b>2185.95</b> | <b>3444.35</b> | <b>5883.80</b> |
| D                                    | GST @ 18%                         | 75.47         | 114.31         | 142.62         | 277.52         | 393.47         | 619.98         | 1059.08        |
| E                                    | Total=(C+D)                       | <b>494.72</b> | <b>749.36</b>  | <b>934.97</b>  | <b>1819.32</b> | <b>2579.42</b> | <b>4064.33</b> | <b>6942.88</b> |
| F                                    | LABOUR                            |               |                |                |                |                |                |                |
| G                                    | Fitter (Rs. = 738/-) X 0.2        | 147.6         | 147.6          | 147.6          | 147.6          | 147.6          | 147.6          | 147.6          |
| H                                    | Asstt. Fitter (Rs. = 679/-) X 0.2 | 135.8         | 135.8          | 135.8          | 135.8          | 135.8          | 135.8          | 135.8          |
| I                                    | Total=(E to H)                    | <b>778.12</b> | <b>1032.76</b> | <b>1218.37</b> | <b>2102.72</b> | <b>2862.82</b> | <b>4347.73</b> | <b>7226.28</b> |
| J                                    | Add cartage @ 1% on G             | 7.78          | 10.33          | 12.18          | 21.03          | 28.63          | 43.48          | 72.26          |
| K                                    | Total=(I+J)                       | <b>785.90</b> | <b>1043.09</b> | <b>1230.56</b> | <b>2123.75</b> | <b>2891.45</b> | <b>4391.21</b> | <b>7298.55</b> |
| L                                    | O-Head & Profit @15% on K         | 117.88        | 156.46         | 184.58         | 318.56         | 433.72         | 658.68         | 1094.78        |
| M                                    | Total=(K+L)                       | <b>903.78</b> | <b>1199.55</b> | <b>1415.14</b> | <b>2442.31</b> | <b>3325.17</b> | <b>5049.89</b> | <b>8393.33</b> |
| N                                    | Cost of Valve                     | <b>904.00</b> | <b>1200.00</b> | <b>1415.00</b> | <b>2442.00</b> | <b>3325.00</b> | <b>5050.00</b> | <b>8393.00</b> |

**BOQ ITEM NO. 4.12 (a)**

**Supply, fixing, testing and commissioning of Air Release Valves**

| Sl. No.                                      | Description                       | 15 MM         |
|--|-----------------------------------|---------------|
| <b>Detail of Cost for Air Release Valves</b> |                                   | <b>15 MM</b>  |
| A  | Basic Price(item+accessories)     | 621           |
| B  | Discount @ 35% on A               | 217.35        |
| C  | Total=(A-B)                       | <b>403.65</b> |
| D  | GST @ 18%                         | 72.66         |
| E  | Total=(C+D)                       | <b>476.31</b> |
| F  | LABOUR                            |               |
| G  | Fitter (Rs. = 738/-) X 0.2        | 147.6         |
| H  | Asstt. Fitter (Rs. = 679/-) X 0.2 | 135.8         |
| I  | Total=(E to H)                    | <b>759.71</b> |
| J  | Add cartage @ 1% on G             | 7.60          |
| K  | Total=(I+J)                       | <b>767.30</b> |
| L  | O-Head & Profit @15% on K         | 115.10        |
| M  | Total=(K+L)                       | <b>882.40</b> |
| N  | Cost of Valve                     | <b>882.00</b> |



**ANALYSIS OF RATES  
(NON SCHEDULE ITEMS)**

**PROJECT:- PROPOSED POLICE DEPARTMENT PROJECTS KARGIL-LADAKH**

**Sub Head: WATER SUPPLY**

**BOQ ITEM NO. 4.14 (a to b)**

| Sl. No. | Description                                   | (a)           | (b)           |               |
|---------|---|---------------|---------------|---------------|
|         |   | 6MM           | 6MM           | 32MM          |
|         | <b>Detail of Cost for Careflex Insulation</b> | <b>16 MM</b>  | <b>22 MM</b>  | <b>28 MM</b>  |
| A       | Basic Price(item+accessories)                 | 390           | 460           | 510           |
| B       | Discount @ 5% on A                            | 19.50         | 23.00         | 25.50         |
| C       | Total=(A-B)                                   | <b>370.50</b> | <b>437.00</b> | <b>484.50</b> |
| D       | GST @ 18%                                     | 66.69         | 78.66         | 87.21         |
| E       | Total=(C+D)                                   | <b>437.19</b> | <b>515.66</b> | <b>571.71</b> |
| F       | LABOUR 10%                                    | 43.72         | 51.57         | 57.17         |
| I       | Total=(E to H)                                | <b>480.91</b> | <b>567.23</b> | <b>628.88</b> |
| J       | Add cartage & water charges @ 2% on G         | 9.62          | 11.34         | 12.58         |
| K       | Total=(I+J)                                   | <b>490.53</b> | <b>578.57</b> | <b>641.46</b> |
| L       | O-Head & Profit @15% on K                     | 73.58         | 86.79         | 96.22         |
| M       | Total=(K+L)                                   | <b>56.41</b>  | <b>66.54</b>  | <b>73.77</b>  |
| N       | Cost of POLO KAL NG pipe                      | <b>56.00</b>  | <b>67.00</b>  | <b>74.00</b>  |

**BOQ ITEM NO. 4.17 (a to j)**

| Sl. No. | Description                              |               |                |                |                |                |                |                |
|---------|--|---------------|----------------|----------------|----------------|----------------|----------------|----------------|
|         |  | 25 MM         | 32 MM          | 40 MM          | 50 MM          | 65 MM          | 80 MM          | 100 MM         |
|         | <b>Detail of Cost for Puddle Flanges</b> |               |                |                |                |                |                |                |
| A       | Basic Price                              | 700           | 1000           | 1250           | 1500           | 1750           | 2000           | 2500           |
| B       | Add Carriage @ 1%                        | 7.00          | 10.00          | 12.50          | 15.00          | 17.50          | 20.00          | 25.00          |
| C       | Total                                    | <b>707.00</b> | <b>1010.00</b> | <b>1262.50</b> | <b>1515.00</b> | <b>1767.50</b> | <b>2020.00</b> | <b>2525.00</b> |
| D       | O-Head & Profit @15%                     | 106.05        | 151.50         | 189.38         | 227.25         | 265.13         | 303.00         | 378.75         |
| E       | Total                                    | <b>813.05</b> | <b>1161.50</b> | <b>1451.88</b> | <b>1742.25</b> | <b>2032.63</b> | <b>2323.00</b> | <b>2903.75</b> |
| F       | Cost of Puddle Flanges                   | <b>813.00</b> | <b>1162.00</b> | <b>1452.00</b> | <b>1742.00</b> | <b>2033.00</b> | <b>2323.00</b> | <b>2904.00</b> |

**BOQ ITEM NO. 4.17 (a to j)**

**Providing and fixing 600mm long Puddle Flanges fabricated**

| Sl. No. | Description                              |                |                |                |  |  |  |  |
|---------|--|----------------|----------------|----------------|--|--|--|--|
|         |  | 150 MM         | 200 MM         | 250 MM         |  |  |  |  |
|         | <b>Detail of Cost for Puddle Flanges</b> |                |                |                |  |  |  |  |
| A       | Basic Price                              | 3000           | 4500           | 6500           |  |  |  |  |
| B       | Add Carriage @ 1%                        | 30.00          | 45.00          | 65.00          |  |  |  |  |
| C       | Total                                    | <b>3030.00</b> | <b>4545.00</b> | <b>6565.00</b> |  |  |  |  |
| D       | O-Head & Profit @15%                     | 454.50         | 681.75         | 984.75         |  |  |  |  |
| E       | Total                                    | <b>3484.50</b> | <b>5226.75</b> | <b>7549.75</b> |  |  |  |  |
| F       | Cost of Puddle Flanges                   | <b>3485.00</b> | <b>5227.00</b> | <b>7550.00</b> |  |  |  |  |



**ANALYSIS OF RATES  
(NON SCHEDULE ITEMS)**

**PROJECT:- PROPOSED POLICE DEPARTMENT PROJECTS KARGIL-LADAKH**

**Sub Head: WATER SUPPLY**

**BOQ ITEM NO. 4.18**

| Sl. No. | Description  | Unit  | Qty.     | Rate     | Amount          |
|---------|--|-------|----------|----------|-----------------|
|         |  |       |          | (Rs)     | (Rs)            |
|         | <b>Detail of Cost for 100mm dia vent pipe for each</b> |       |          |          |                 |
| A       | Cost of 100mm GI pipe                                  | M     | 0.5      | 1,119.40 | 559.70          |
| B       | Less Discount @ 30%                                    |       |          |          | 167.91          |
|         |  |       |          |          | <b>391.79</b>   |
| C       | Bends  | Each  | 2        | 1,224.00 | 2,448.00        |
| D       | Flange   | Each  | 2        | 750.00   | 1,500.00        |
| E       | Sockets  | Each  | 2        | 694.00   | 1,388.00        |
| F       | Fittings like nuts & bolts                             | LS    |          |          | 150.00          |
|         |  |       |          |          | <b>5,486.00</b> |
| G       | Less Discount 35%                                      |       |          |          | 1,920.10        |
|         |  |       |          |          | <b>3,565.90</b> |
| H       | Total of (a) & (b)                                     |       |          |          | <b>3,957.69</b> |
| I       | GST @ 18%  |       |          |          | 712.38          |
| D       | Carriage of pipe                                       | tonne | 0.094415 | 47.29    | 4.46            |
|         | Added 15% for fittings and wastage in (A+C)            |       |          |          |                 |
| E       | White lead, hemp, oil etc.                             | L.S   | 25.00    | 1.00     | 25.00           |
| F       | Cement, sand and grit etc.                             | L.S   | 10.00    | 1.00     | 10.00           |
| G       | LABOUR   |       |          |          |                 |
|         | Fitter (grade-1)                                       | Day   | 1.00     | 738.00   | 738.00          |
|         | Fitter (grade-2)                                       | Day   | 1.00     | 679.00   | 679.00          |
|         | Beldar   | Day   | 1.00     | 558.00   | 558.00          |
|         | TOTAL  |       |          |          | <b>6684.54</b>  |
| H       | Add 1% for water charges                               |       |          |          | 66.85           |
|         | TOTAL  |       |          |          | <b>6751.38</b>  |
| I       | Add 15% for Contractor's profits and overheads         |       |          |          | 1012.71         |
|         | Cost for one vent pipe                                 |       |          |          | <b>7764.09</b>  |
|         |  |       |          |          | <b>7764.00</b>  |



**ANALYSIS OF RATES  
(NON SCHEDULE ITEMS)**

**PROJECT:- PROPOSED POLICE DEPARTMENT PROJECTS KARGIL-LADAKH**

**Sub Head: SANITARY FIXTURES**

**BOQ ITEM NO. 5.3**

**Providing and fixing vitreous China Sanitary fixturs and CP fitting and other accessories for Handicapped toilet Hindware Cat no. 70002 (Matrix Set-1)**

| Sl. No. | Description  | Unit | Qty. | Rate<br>(Rs) | Amount<br>(Rs)  |
|---------|--|------|------|--------------|-----------------|
|         | <b>Detail of cost for one Handicapped Toilet (H.S.I. Cat. No. 70002)</b> |      |      |              |                 |
| A       | Cost of Sink Mixer   | No.  | 1    | 72000.00     | 72000.00        |
| C       | Less discount @ 20%  |      |      |              | 14400.00        |
|         |  |      |      |              | <b>57600.00</b> |
| F       | Carriage @ 1%  |      |      |              | 576.00          |
|         |  |      |      |              | <b>58176.00</b> |
| G       | LABOUR   |      |      |              |                 |
|         | Fitter (grade 1)   | Day  | 1.00 | 738.00       | 738.00          |
|         | Mason (brick layer) 1st class  | Day  | 1.00 | 738.00       | 738.00          |
|         | Beldar   | Day  | 1.00 | 558.00       | 558.00          |
|         | TOTAL  |      |      |              | <b>60210.00</b> |
| H       | Add for water charges @ 1%   |      |      |              | 602.10          |
|         | GST @ 18%  |      |      |              | 10837.80        |
|         | TOTAL  |      |      |              | <b>71649.90</b> |
| I       | Add for Contractor's profits and over heads @ 15%                        |      |      |              | 10747.49        |
|         | Cost for one Handicapped Toilet  |      |      |              | <b>82397.39</b> |
|         | Say  |      |      |              | <b>82397.00</b> |

**BOQ ITEM NO. 5.19**

**Providing & fixing CP concealed body single lever diverter with 40mm cartige Jaquar Cat No. ALD-075KN or approved equivalent**

| Sl. No. | Description   | Unit | Qty. | Rate<br>(Rs) | Amount<br>(Rs) |
|---------|---|------|------|--------------|----------------|
|         | <b>Detail of cost for one 15mm C.P. Single Lever Sink Mixer (JAQUAR Cat. No. CON-309KNBM)</b> |      |      |              |                |
| A       | Cost of Sink Mixer  | No.  | 1    | 2850.00      | 2850.00        |
| C       | Less discount @ 20%   |      |      |              | 570.00         |
|         |   |      |      |              | <b>2280.00</b> |
| D       | Cost of fixing materials  |      |      |              | 10.00          |
|         |   |      |      |              | <b>2290.00</b> |
| E       | GST @ 18%   |      |      |              | 412.20         |
| F       | Carriage @ 1%   |      |      |              | 22.90          |
|         |   |      |      |              | <b>2725.10</b> |
| G       | LABOUR 6%   |      |      |              | 163.51         |
|         | TOTAL   |      |      |              | <b>2888.61</b> |
| H       | Add for water charges @ 1%  |      |      |              | 28.89          |
|         |   |      |      |              | <b>2917.49</b> |
| I       | Add for Contractor's profits and over heads @ 15%   |      |      |              | 437.62         |
|         | Cost of one Angle Valve   |      |      |              | <b>3355.12</b> |
|         | Say   |      |      |              | <b>3355.00</b> |



**ANALYSIS OF RATES  
(NON SCHEDULE ITEMS)**

**PROJECT:- PROPOSED POLICE DEPARTMENT PROJECTS KARGIL-LADAKH**

**Sub Head: SANITARY FIXTURES**

**BOQ ITEM NO. 5.20**

**Providing and fixing C.P. brass twin robe hooks, JAQUAR Cat. No. 1161 or equivalent make.**

| Sl. No. | Description  | Unit   | Quantity | Rate   | Amount        |
|---------|--|--------|----------|--------|---------------|
|         | <b>Detail of cost for one Robe Hooks JAQUAR Cat. No. ACN-1161N</b> |        |          |        |               |
| A       | Cost of Robe Hooks   | No.    | 1        | 475.00 | 475.00        |
| B       | Less discount @ 20%  |        |          |        | 95.00         |
|         |  |        |          |        | <b>380.00</b> |
| C       | GST @ 18%  |        |          |        | 68.40         |
| D       | Wooden cleats  | Each   | 2.00     | 10.15  | 20.30         |
|         | 25mm CP brass screws, and wahers                                   | 100nos | 2.00     | 83.00  | 1.66          |
|         | Carriage of materials and fixing charges                           | L.S    | 4.29     | 1.00   | 4.29          |
|         | <b>TOTAL</b>   |        |          |        | <b>474.65</b> |
| E       | LABOUR 10%   |        |          |        | 47.47         |
|         | <b>TOTAL</b>   |        |          |        | <b>522.12</b> |
| F       | Add 1% for water charges   |        |          |        | 5.22          |
|         | <b>TOTAL</b>   |        |          |        | <b>527.34</b> |
| G       | Add 15% for Contractor's profits and overheads                     |        |          |        | 79.10         |
|         | Cost for robe hook   |        |          |        | <b>606.44</b> |
|         | Say  |        |          |        | <b>606.00</b> |

**606.00**

**BOQ ITEM NO. 5.21**

**Providing and fixing, Glass Bottle Liquid Soap Dispenser with push lever assembly complete**

| Sl. No. | Description  | Unit   | Quantity | Rate    | Amount         |
|---------|--|--------|----------|---------|----------------|
|         | <b>Detail of cost for one Liquid soap dispensor (JAQUAR Cat No. ACN-1137N)</b> |        |          |         |                |
| A       | Cost of Liquid soap dispensor  | No.    | 1        | 2725.00 | 2725.00        |
| B       | Less discount @ 20%  |        |          |         | 545.00         |
|         |  |        |          |         | <b>2180.00</b> |
| C       | GST @ 18%  |        |          |         | 392.40         |
| D       | Wooden cleats  | Each   | 2.00     | 12.18   | 24.36          |
|         | 25mm CP brass screws, and wahers   | 100nos | 2.00     | 100.00  | 2.00           |
|         | Carriage of materials and fixing charges                                       | L.S    | 4.29     | 1.70    | 7.29           |
|         | <b>TOTAL</b>   |        |          |         | <b>2606.05</b> |
| E       | LABOUR 10%   |        |          |         | 260.61         |
|         | <b>TOTAL</b>   |        |          |         | <b>2866.66</b> |
| F       | Add 1% for water charges   |        |          |         | 28.67          |
|         | <b>TOTAL</b>   |        |          |         | <b>2895.32</b> |
| G       | Add 15% for Contractor's profits and overheads                                 |        |          |         | 434.30         |
|         | Cost for liquid soap dispensor   |        |          |         | <b>3329.62</b> |
|         | SAY  |        |          |         | <b>3330.00</b> |

**3330.00**



**ANALYSIS OF RATES  
(NON SCHEDULE ITEMS)**

**PROJECT:- PROPOSED POLICE DEPARTMENT PROJECTS KARGIL-LADAKH**

**Sub Head: SANITARY FIXTURES**

**BOQ ITEM NO. 5.22**

**Providing and fixing S.S. hinged grating, 1.5mm thick with frame**

| Sl. No. | Description   | Unit   | Quantity | Rate   | Amount        |
|---------|---|--------|----------|--------|---------------|
|         | <b>Detail of cost for one S.S. hinged grating /JAYNA NEW HEAVY GRATINGS Cat. No. NHG 140)</b> |        |          |        |               |
| A       | Cost of Grating with hinge  | No.    | 1        | 675.00 | 675.00        |
| B       | Less discount @ 20%   |        |          |        | 135.00        |
|         |   |        |          |        | <b>540.00</b> |
| C       | GST @ 18%   |        |          |        | 97.20         |
| D       | Wooden cleats   | Each   | 2.00     | 10.15  | 20.30         |
|         | 25mm CP brass screws, and wahers  | 100nos | 2.00     | 83.00  | 1.66          |
|         | Carriage of materials and fixing charges  | L.S    | 4.29     | 2.00   | 8.58          |
|         | TOTAL   |        |          |        | <b>667.74</b> |
| E       | LABOUR 10%  |        |          |        | 66.77         |
|         | TOTAL   |        |          |        | <b>734.51</b> |
| F       | Add 1% for water charges  |        |          |        | 7.35          |
|         | TOTAL   |        |          |        | <b>741.86</b> |
| G       | Add 15% for Contractor's profits and overheads  |        |          |        | 111.28        |
| H       | Cost for S.S. hinged gratings   |        |          |        | <b>853.14</b> |
|         | SAY   |        |          |        | <b>853.00</b> |

**BOQ ITEM NO. 5.23 (a)**

| Sl. No. | Description   | Unit | Quantity | Rate    | Amount          |
|---------|---|------|----------|---------|-----------------|
|         | <b>Detail of cost for one water heater capacity 15 ltrs</b> |      |          |         |                 |
| A       | Cost of one water heater capacity 15 ltrs                   | No.  | 1        | 9660.00 | 9660.00         |
| B       | Less Discount @ 20%   |      |          |         | 1932.00         |
|         |   |      |          |         | <b>7728.00</b>  |
| C       | GST @ 18%   |      |          |         | 1391.04         |
|         | Carriage of materials and fixing charges                    | L.S  | 26.91    | 2.00    | 53.82           |
|         | TOTAL   |      |          |         | <b>9172.86</b>  |
| D       | Labour @ 10%  |      |          |         | 917.29          |
| E       | TOTAL   |      |          |         | <b>10090.15</b> |
| F       | Add 1% for water charges                                    |      |          |         | 100.90          |
|         | TOTAL   |      |          |         | <b>10191.05</b> |
| G       | Add 15% for Contractor's profits and overheads              |      |          |         | 1528.66         |
|         | Cost for one water heater                                   |      |          |         | <b>11719.70</b> |
|         | SAY   |      |          |         | <b>11720.00</b> |



**ANALYSIS OF RATES  
(NON SCHEDULE ITEMS)**

**PROJECT:- PROPOSED POLICE DEPARTMENT PROJECTS KARGIL-LADAKH**

**Sub Head: SANITARY FIXTURES**

**BOQ ITEM NO. 5.23 (b)**

| Sl. No. | Description   | Unit | Quantity | Rate     | Amount          |
|---------|---|------|----------|----------|-----------------|
|         | <b>Detail of cost for one water heater capacity 25 ltrs</b> |      |          |          |                 |
| A       | Cost of one water heater capacity 25 ltrs                   | No.  | 1        | 11120.00 | 11120.00        |
| B       | Less Discount @ 20%   |      |          |          | 2224.00         |
|         |   |      |          |          | <b>8896.00</b>  |
| C       | GST @ 18%   |      |          |          | 1601.28         |
|         | Carriage of materials and fixing charges                    | L.S  | 26.91    | 2.00     | 53.82           |
|         | TOTAL   |      |          |          | <b>10551.10</b> |
| D       | Labour @ 10%  |      |          |          | 1055.11         |
| E       | TOTAL   |      |          |          | <b>11606.21</b> |
| F       | Add 1% for water charges                                    |      |          |          | 116.06          |
|         | TOTAL   |      |          |          | <b>11722.27</b> |
| G       | Add 15% for Contractor's profits and overheads              |      |          |          | 1758.34         |
|         | Cost for one water heater                                   |      |          |          | <b>13480.61</b> |
|         | SAY   |      |          |          | <b>13481.00</b> |

**BOQ ITEM NO. 5.23 (b)**

| Sl. No. | Description   | Unit | Quantity | Rate     | Amount          |
|---------|---|------|----------|----------|-----------------|
|         | <b>Detail of cost for one water heater capacity 35 ltrs</b> |      |          |          |                 |
| A       | Cost of one water heater capacity 25 ltrs                   | No.  | 1        | 13070.00 | 13070.00        |
| B       | Less Discount @ 20%   |      |          |          | 2614.00         |
|         |   |      |          |          | <b>10456.00</b> |
| C       | GST @ 18%   |      |          |          | 1882.08         |
|         | Carriage of materials and fixing charges                    | L.S  | 26.91    | 2.00     | 53.82           |
|         | TOTAL   |      |          |          | <b>12391.90</b> |
| D       | Labour @ 10%  |      |          |          | 1239.19         |
| E       | TOTAL   |      |          |          | <b>13631.09</b> |
| F       | Add 1% for water charges                                    |      |          |          | 136.31          |
|         | TOTAL   |      |          |          | <b>13767.40</b> |
| G       | Add 15% for Contractor's profits and overheads              |      |          |          | 2065.11         |
|         | Cost for one water heater                                   |      |          |          | <b>15832.51</b> |
|         | SAY   |      |          |          | <b>15833.00</b> |



**ANALYSIS OF RATES  
(NON SCHEDULE ITEMS)**

**PROJECT:- PROPOSED POLICE DEPARTMENT PROJECTS KARGIL-LADAKH**

**Sub Head: SANITARY FIXTURES**

**BOQ ITEM NO. 5.23 (b)**

| Sl. No. | Description   | Unit | Quantity | Rate     | Amount          |
|---------|---|------|----------|----------|-----------------|
|         | <b>Detail of cost for one water heater capacity 50 ltrs</b> |      |          |          |                 |
| A       | Cost of one water heater capacity 25 ltrs                   | No.  | 1        | 16010.00 | 16010.00        |
| B       | Less Discount @ 20%   |      |          |          | 3202.00         |
|         |   |      |          |          | <b>12808.00</b> |
| C       | GST @ 18%   |      |          |          | 2305.44         |
|         | Carriage of materials and fixing charges                    | L.S  | 26.91    | 2.00     | 53.82           |
|         | TOTAL   |      |          |          | <b>15167.26</b> |
| D       | Labour @ 10%  |      |          |          | 1516.73         |
| E       | TOTAL   |      |          |          | <b>16683.99</b> |
| F       | Add 1% for water charges                                    |      |          |          | 166.84          |
|         | TOTAL   |      |          |          | <b>16850.83</b> |
| G       | Add 15% for Contractor's profits and overheads              |      |          |          | 2527.62         |
|         | Cost for one water heater                                   |      |          |          | <b>19378.45</b> |
|         | SAY   |      |          |          | <b>19378.00</b> |

**BOQ ITEM NO. 5.24**

**Providing and fixing C.P. brass towel ring JAQUAR Cat No. ACN-1121N (CONTINENTAL SERIES)**

| Sl. No. | Description  | Unit   | Quantity | Rate   | Amount         |
|---------|--|--------|----------|--------|----------------|
|         | <b>Detail of cost for one Towel ring (Jaquar Cat. No. ACN-1121N)</b> |        |          |        |                |
| A       | Cost of Towel Ring   | No.    | 1        | 875.00 | 875.00         |
| B       | Less discount @ 20%  |        |          |        | 175.00         |
|         |  |        |          |        | <b>700.00</b>  |
| C       | GST @ 18%  |        |          |        | 126.00         |
| D       | Wooden cleats  | Each   | 2.00     | 10.15  | 20.30          |
|         | 25mm CP brass screws, and wahers                                     | 100nos | 2.00     | 83.00  | 1.66           |
|         | Carriage of materials and fixing charges                             | L.S    | 4.29     | 1.70   | 7.29           |
|         |  |        |          |        | <b>855.25</b>  |
| E       | Labour @ 5%  |        |          |        | 42.76          |
|         | TOTAL  |        |          |        | <b>898.02</b>  |
| F       | Add 1% for water charges   |        |          |        | 8.98           |
|         | TOTAL  |        |          |        | <b>907.00</b>  |
| G       | Add 15% for Contractor's profits and overheads                       |        |          |        | 136.05         |
| H       | Cost for towel rail 24"  |        |          |        | <b>1043.05</b> |
|         | SAY  |        |          |        | <b>1043.00</b> |



**ANALYSIS OF RATES  
(NON SCHEDULE ITEMS)**

**PROJECT:- PROPOSED POLICE DEPARTMENT PROJECTS KARGIL-LADAKH**

**Sub Head: SANITARY FIXTURES**

**BOQ ITEM NO. 5.25**

**Providing and Fixing Health Faucet JAQUAR Cat. No. 573 (ALLIED SERIES) or equivalent make with flexible pipe and wall hook with each European W.C. Pan.**

| Sl. No. | Description   | Unit | Qty. | Rate<br>(Rs) | Amount<br>(Rs) |
|---------|---|------|------|--------------|----------------|
|         | <b>Detail of cost for one Health Faucet JAQUAR Cat. No. ALD-573</b> |      |      |              |                |
| A       | Cost of Health Faucet   | No.  | 1    | 1350.00      | 1350.00        |
| B       | Less discount @ 20%   |      |      |              | 270.00         |
|         |   |      |      |              | <b>1080.00</b> |
| C       | Cost of fixing materials  | L.S. |      |              | 10.00          |
|         |   |      |      |              | <b>1090.00</b> |
| D       | GST @ 18%   |      |      |              | 196.20         |
| E       | Carriage @ 1%   |      |      |              | 10.90          |
|         |   |      |      |              | <b>1297.10</b> |
| F       | Labour @ 10%  |      |      |              | 129.71         |
|         |   |      |      |              | <b>1426.81</b> |
| G       | Add for water charges @ 1%  |      |      |              | 14.27          |
|         |   |      |      |              | <b>1441.08</b> |
| H       | Add for Contractor's profits and over heads @ 15%                   |      |      |              | 216.16         |
|         | Cost of one Health Faucet   |      |      |              | <b>1657.24</b> |
|         | Say   |      |      |              | <b>1657.00</b> |

**BOQ ITEM NO. 5.26**

**Providing & fixing CP concealed body single lever diverter with 40mm cartige Jaquar Cat No. ALD-075KN or approved equivalent**

| Sl. No. | Description   | Unit | Qty. | Rate<br>(Rs) | Amount<br>(Rs) |
|---------|---|------|------|--------------|----------------|
|         | <b>Detail of cost for one CP concealed body of single lever diverter with 40mm cartige Jaquar Cat No. ALD-075</b> |      |      |              |                |
| A       | Cost of wall mixer  | No.  | 1    | 2750.00      | 2750.00        |
| B       | Less discount @ 20%   |      |      |              | 550.00         |
|         |   |      |      |              | <b>2200.00</b> |
| C       | Cost of fixing materials  | L.S. |      |              | 10.00          |
|         |   |      |      |              | <b>2210.00</b> |
| D       | GST @ 18%   |      |      |              | 397.80         |
| E       | Carriage @ 1%   |      |      |              | 22.10          |
|         |   |      |      |              | <b>2629.90</b> |
| F       | LABOUR 10%  |      |      |              | 262.99         |
|         |   |      |      |              | <b>2892.89</b> |
| G       | Add for water charges @ 1%  |      |      |              | 28.93          |
|         |   |      |      |              | <b>2921.82</b> |
| H       | Add for Contractor's profits and over heads @ 15%   |      |      |              | 438.27         |
|         | Cost of one single lever diverter   |      |      |              | <b>3360.09</b> |
|         | SAY   |      |      |              | <b>3360.00</b> |



**ANALYSIS OF RATES  
(NON SCHEDULE ITEMS)**

**PROJECT:- PROPOSED POLICE DEPARTMENT PROJECTS KARGIL-LADAKH**

**Sub Head: SANITARY FIXTURES**

**BOQ ITEM NO. 5.27**

**Providing & fixing CP single lever exposed parts kit of divertor Jaquar Cat No. OPL-15075K or approved equivalent**

| Sl. No. | Description   | Unit | Qty. | Rate<br>(Rs) | Amount<br>(Rs) |
|---------|---|------|------|--------------|----------------|
|         | <b>Detail of cost for CP single lever exposed parts kit of divertor Jaquar Cat No. FUS-29075K</b> |      |      |              |                |
| A       | Cost of divertor  | No.  | 1    | 1700.00      | 1700.00        |
| B       | Less discount @ 20%   |      |      |              | 340.00         |
|         |   |      |      |              | <b>1360.00</b> |
| C       | Cost of fixing materials  | L.S. |      |              | 10.00          |
|         |   |      |      |              | <b>1370.00</b> |
| D       | GST @ 18%   |      |      |              | 246.60         |
| E       | Carriage @ 1%   |      |      |              | 13.70          |
|         |   |      |      |              | <b>1630.30</b> |
| F       | LABOUR 10%  |      |      |              | 163.03         |
|         |   |      |      |              | <b>1793.33</b> |
| G       | Add for water charges @ 1%  |      |      |              | 17.93          |
|         |   |      |      |              | <b>1811.26</b> |
| H       | Add for Contractor's profits and over heads @ 15%   |      |      |              | 271.69         |
|         | Cost of one single lever exposed parts kit of divertor  |      |      |              | <b>2082.95</b> |
|         | SAY   |      |      |              | <b>2083.00</b> |

**BOQ ITEM NO. 5.28**

**Providing & fixing CP brass shower rose with shower arm Jaguar Cat No. OHS-1989 & SHA-477 or approved equivalent.**

| Sl. No. | Description  | Unit | Qty. | Rate<br>(Rs) | Amount<br>(Rs) |
|---------|--|------|------|--------------|----------------|
|         | <b>Detail of cost for one Shower rose with shower arm Jaguar Cat. No. OHS-1989 &amp; SHA-477</b> |      |      |              |                |
| A       | Cost of Shower rose (OHS-1989)   | No.  | 1    | 1400.00      | 1400.00        |
| B       | Cost of Shower arm (SHA-477)   | No.  | 1    | 550.00       | 550.00         |
|         |  |      |      |              | <b>1950.00</b> |
| B       | Less discount @ 20%  |      |      |              | 390.00         |
|         |  |      |      |              | <b>1560.00</b> |
| C       | Cost of fixing materials   | L.S. |      |              | 10.00          |
|         |  |      |      |              | <b>1570.00</b> |
| D       | GST @ 18%  |      |      |              | 282.60         |
| E       | Carriage @ 1%  |      |      |              | 15.70          |
|         |  |      |      |              | <b>1868.30</b> |
| F       | LABOUR 10%   |      |      |              | 186.83         |
|         |  |      |      |              | <b>2055.13</b> |
| G       | Add for water charges @ 1%   |      |      |              | 20.55          |
|         |  |      |      |              | <b>2075.68</b> |
| H       | Add for Contractor's profits and over heads @ 15%  |      |      |              | 311.35         |
|         | Cost of one Shower rose with shower arm  |      |      |              | <b>2387.03</b> |
|         | Say  |      |      |              | <b>2387.00</b> |



**ANALYSIS OF RATES  
(NON SCHEDULE ITEMS)**

**PROJECT:- PROPOSED POLICE DEPARTMENT PROJECTS KARGIL-LADAKH**

**Sub Head: SANITARY FIXTURES**

**BOQ ITEM NO. 5.29**

**Providing & fixing CP brass bath spout with wall flange Jaguar (Bath Spouts) Cat No. SPJ-429 or approved equivalent.**

| Sl. No. | Description  | Unit | Qty. | Rate<br>(Rs) | Amount<br>(Rs) |
|---------|--|------|------|--------------|----------------|
|         | <b>Detail of cost for bath spout with wall flange Jaguar (Bath Spouts) Cat No. SPJ-429</b> |      |      |              |                |
| A       | Cost of bath spout   | No.  | 1    | 1100.00      | 1100.00        |
| B       | Less discount @ 20%  |      |      |              | 220.00         |
|         |  |      |      |              | <b>880.00</b>  |
| C       | Cost of fixing materials   | L.S. |      |              | 10.00          |
|         |  |      |      |              | <b>890.00</b>  |
| D       | GST @ 18%  |      |      |              | 160.20         |
| E       | Carriage @ 1%  |      |      |              | 8.90           |
|         |  |      |      |              | <b>1059.10</b> |
| F       | LABOUR 10%   |      |      |              | 105.91         |
|         |  |      |      |              | <b>1165.01</b> |
| G       | Add for water charges @ 1%   |      |      |              | 11.65          |
|         |  |      |      |              | <b>1176.66</b> |
| H       | Add for Contractor's profits and over heads @ 15%  |      |      |              | 176.50         |
|         | Cost of one bath spout   |      |      |              | <b>1353.16</b> |
|         | SAY  |      |      |              | <b>1353.00</b> |

**BOQ ITEM NO. 5.30**

**Providing and fixing C.P. brass soap dish (Jaquar Cat. No. CAN-1131N)**

| Sl. No. | Description   | Unit   | Quantity | Rate   | Amount        |
|---------|---|--------|----------|--------|---------------|
|         | <b>Detail of cost for one Soap Dish (Jaquar Cat. No. ACN-1131N)</b> |        |          |        |               |
| A       | Cost of Soap Dish   | No.    | 1        | 575.00 | 575.00        |
| B       | Less discount @ 20%   |        |          |        | 115.00        |
|         |   |        |          |        | <b>460.00</b> |
| C       | Wooden cleats   | Each   | 2.00     | 10.15  | 20.30         |
|         | 25mm CP brass screws, and wahers                                    | 100nos | 2.00     | 83.00  | 1.66          |
|         | Carriage of materials and fixing charges                            | L.S    | 4.29     | 1.20   | 5.15          |
|         | TOTAL   |        |          |        | <b>487.11</b> |
|         | GST @ 18%   |        |          |        | 87.68         |
|         |   |        |          |        | <b>574.79</b> |
| D       | LABOUR 10%  |        |          |        | 57.48         |
|         | TOTAL   |        |          |        | <b>632.27</b> |
| E       | Add 1% for water charges  |        |          |        | 6.32          |
|         | TOTAL   |        |          |        | <b>638.59</b> |
| F       | Add 15% for Contractor's profits and overheads                      |        |          |        | 95.79         |
|         | Cost for Soap Dish  |        |          |        | <b>734.38</b> |
| G       | SAY   |        |          |        | <b>734.00</b> |



**ANALYSIS OF RATES  
(NON SCHEDULE ITEMS)**

**PROJECT:- PROPOSED POLICE DEPARTMENT PROJECTS KARGIL-LADAKH**

**Sub Head: SANITARY FIXTURES**

**BOQ ITEM NO. 5.31**

**Providing and fixing C.P. brass Towel Rail 24" JAQUAR Cat. No. ACN-1111NM or approved equivalent.**

| Sl. No. | Description   | Unit   | Quantity | Rate    | Amount         |
|---------|---|--------|----------|---------|----------------|
|         | <b>Detail of cost for one Towel rail 24" (Jaquar Cat. No. ACN-1111SM)</b> |        |          |         |                |
| A       | Cost of Towel Rail  | No.    | 1        | 1175.00 | 1175.00        |
| B       | Less discount @ 20%   |        |          |         | 235.00         |
|         |   |        |          |         | <b>940.00</b>  |
| C       | GST @ 18%   |        |          |         | 169.20         |
| D       | Wooden cleats   | Each   | 2.00     | 10.15   | 20.30          |
|         | 25mm CP brass screws, and wahers  | 100nos | 2.00     | 83.00   | 1.66           |
|         | Carriage of materials and fixing charges                                  | L.S    | 4.29     | 1.70    | 7.29           |
|         |   |        |          |         | <b>1138.45</b> |
| E       | LABOUR 10%  |        |          |         | 113.85         |
|         | TOTAL   |        |          |         | <b>1252.30</b> |
| F       | Add 1% for water charges  |        |          |         | 12.52          |
|         | TOTAL   |        |          |         | <b>1264.82</b> |
| G       | Add 15% for Contractor's profits and overheads                            |        |          |         | 189.72         |
| H       | Cost for towel rail 24"   |        |          |         | <b>1454.54</b> |
|         | SAY   |        |          |         | <b>1455.00</b> |