



**DSR & AOR
ITEMS FOR
VRF/VRV AIR CONDITIONING SYSTEM**

2019



CPWD
CENTRAL PUBLIC WORKS DEPARTMENT
Ministry of Housing and Urban Affairs

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PART-I

Delhi Schedule of Rates (Items for VRF/VRV
AIR-CONDITIONING SYSTEM)- 2019

| DELHI SCHEDULE OF RATES | | | |
|----------------------------------|--|-------------|-------------------|
| OUTDOOR UNIT | | | |
| Item No. | Description | Unit | Rate (Rs.) |
| 1 | Supply Installation, Testing & Commissioning of modular type Variable Refrigerant Flow/Variable Refrigerant Volume air cooled Outdoor units suitable for cooling and heating, having all hermetically sealed inverter type Scroll Compressor(s), minimum two compressors for above 14 HP modules, microprocessor based Controller, top discharge type condensing unit(s), with R 410 A Refrigerant, vibration isolators, with suitable foundation etc. complete as required. The unit shall deliver the rated capacity at AHRI Conditions and work even at 50°C ambient temperature without tripping. The unit shall be suitable to work on 400V +/- 10%, 3 Phase, 50Hz AC power supply. The unit shall be filled with first charge of the refrigerant and ready for use as required. The COP at AHRI conditions shall not be less than 3.1 and IEER not less than 6.5 . | Per HP | 16415 |
| INDOOR UNIT-CASSETTE TYPE | | | |
| Item No. | Description | Unit | Rate (Rs.) |
| 2 | Supply, installation, testing and commissioning of following minimum capacity 4-way flow VRV/VRF Cassette Type Indoor ceiling mounted unit equipped with synthetic washable media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX Copper coil, electronic expansion valve, outer cabinet, drain pump, grill, necessary supports, vibration isolation, cord less remote control etc., suitable for operation on single phase 230 V ± 10%, 50Hz AC supply, complete, as required. The unit shall have automatic force shut down provision in case of fire on receiving signal from BMS System. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature. | | |
| 2.1 | 0.8 TR | Each | 27381 |
| 2.2 | 1 TR | Each | 29137 |
| 2.3 | 1.2 TR | Each | 29488 |
| 2.4 | 1.6 TR | Each | 30204 |
| 2.5 | 2 TR | Each | 30801 |
| 2.6 | 2.4 TR | Each | 31453 |
| 2.7 | 2.8 TR | Each | 32015 |
| 2.8 | 3.2 TR | Each | 32787 |
| 2.9 | 3.6 TR | Each | 33209 |
| 2.10 | 4 TR | Each | 33981 |

| INDOOR UNIT-HIGH WALL TYPE | | | |
|-----------------------------------|---|-------------|-------------------|
| Item No. | Description | Unit | Rate (Rs.) |
| 3 | Supply, installation, testing and commissioning of following minimum capacity VRV/VRF High wall type Indoor unit equipped with washable synthetic media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX copper coil, electronic expansion valve, outer cabinet, cord less remote control, drain pan, necessary accessories etc., suitable for operation on 230 V ± 10%, 50 Hz, single phase AC supply, complete as required. The unit shall have automatic force shut down provision in case of fire on receiving signal from BMS System. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature. | | |
| 3.1 | 0.6 TR | each | 18730 |
| 3.2 | 0.8 TR | each | 19312 |
| 3.3 | 1 TR | each | 19700 |
| 3.4 | 1.3 TR | each | 21176 |
| 3.5 | 1.45 TR | each | 21315 |
| 3.6 | 1.65 TR | each | 21746 |
| 3.7 | 2 TR | each | 22100 |
| INDOOR UNIT-DUCTABLE TYPE | | | |
| Item No. | Description | Unit | Rate (Rs.) |
| 4 | Supply, installation, testing and commissioning of following minimum capacity and external static pressure VRF/VRV ceiling mounted ductable type Indoor unit equipped with washable synthetic media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX copper coil, electronic expansion valve, corded remote control, outer cabinet, vibration isolators, drain pan, other necessary supports etc., suitable for operation on single phase AC supply 230 V ± 10%, 50 Hz complete as required. The unit shall have automatic force shut down provision in case of fire on receiveing signal from BMS System. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature. | | |
| | Low static ductable units (minimum 25 pascal external static pressure) | | |
| 4.1 | 0.6 TR | each | 26896 |
| 4.2 | 0.7 TR | each | 27735 |
| 4.3 | 0.8 TR | each | 28336 |
| 4.4 | 0.9 TR | each | 29598 |
| 4.5 | 1 TR | each | 29660 |
| 4.6 | 1.1 TR | each | 32610 |

| 4.7 | 1.3 TR | each | 34350 |
|---|--|-------------|-------------------|
| 4.8 | 1.4 TR | each | 34650 |
| 4.9 | 1.6 TR | each | 35259 |
| Mid Static Ductable units (minimum 45 pascal external static pressure) | | | |
| 4.10 | 1.8 TR | each | 38032 |
| 4.11 | 2 TR | each | 38913 |
| 4.12 | 2.3 TR | each | 39669 |
| 4.13 | 2.6 TR | each | 42350 |
| 4.14 | 2.8 TR | each | 46782 |
| 4.15 | 3.4 TR | each | 47651 |
| 4.16 | 4 TR | each | 48731 |
| High Static Ductable units (minimum 110 pascal external static pressure) | | | |
| 4.17 | 5.5 TR | each | 85766 |
| 4.18 | 7.1 TR | each | 87281 |
| 4.19 | 8 TR | each | 89590 |
| COPEER REFRIGERANT PIPING | | | |
| Item No. | Description | Unit | Rate (Rs.) |
| 5 | Supply, Installation, testing and commissioning including vaccumiazation and Nitrogen testing of following nominal sizes of soft/hard drawn copper refrigerant piping for VRV/VRF system, complete with fittings, with suitable adjustable ring type hanger supports, jointing/brazing including accessories, insulated with XPLE Class-O tubular insulation/with Class-O closed cell elastometric nitrile rubber tubular sleeves sections of specified thickness as given below for Suction and Liquid lines, all accessories as per specifications etc. as required : | | |
| 5.1 | 6.4 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation | m | 245 |
| 5.2 | 9.5 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation | m | 331 |
| 5.3 | 12.7 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation | m | 466 |
| 5.4 | 15.86 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation | m | 588 |
| 5.5 | 19 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation | m | 707 |
| 5.6 | 22.2 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation | m | 865 |
| 5.7 | 25.4 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation | m | 1022 |
| 5.8 | 28.58 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation | m | 1108 |
| 5.9 | 31.8 mm dia (OD) (Hard drawn) with tube thickness 1.62 mm with 19 mm thick insulation | m | 1170 |

| | | | |
|------|--|---|------|
| 5.10 | 34.9 mm dia (OD) (Hard drawn) with tube thickness 1.62 mm with 19 mm thick insulation | m | 1230 |
| 5.11 | 38.1 mm dia (OD) (Hard drawn) with tube thickness 1.62 mm with 19 mm thick insulation | m | 1265 |
| 5.12 | 41.27 mm dia (OD) (Hard drawn) with tube thickness 1.62 mm with 19 mm thick insulation | m | 1309 |

NOTE:- 1)The Copper Piping & Piping Circuit should be with Minimum Number of joints, which shall be attained by :

(i) Using One End Expanded Tubes

(ii) Bending the tubes instead of using elbow joints wherever 90 degree bending is required.

(2) Piping should be routed at site in such a manner, that brazed joints in the refrigeration piping are kept to a minimum.

(3) The makes of tube fittings shall be same as that of tubes.

(4) The thickness of fittings used shall be same as that of the pipe.

PART-II

Delhi Analysis of Rates (Items for VRF/VRV
AIR-CONDITIONING SYSTEM)- 2019

| DELHI ANALYSIS OF RATES | | | | | |
|----------------------------------|--|-------------|-------------|-------------|---------------------|
| OUTDOOR UNIT | | | | | |
| 1 | <p>Supply Installation, Testing & Commissioning of modular type Variable Refrigerant Flow/Variable Refrigerant Volume air cooled Outdoor units suitable for cooling and heating, having all hermetically sealed inverter type Scroll Compressor(s), minimum two compressors for above 14 HP modules, microprocessor based Controller, top discharge type condensing unit(s), with R 410 A Refrigerant, vibration isolators, with suitable foundation etc. complete as required. The unit shall deliver the rated capacity at AHRI Conditions and work even at 50°C ambient temperature without tripping. The unit shall be suitable to work on 400V +/- 10%, 3 Phase, 50Hz AC power supply. The unit shall be filled with first charge of the refrigerant and ready for use as required. The COP at AHRI conditions shall not be less than 3.1 and IEER not less than 6.5 .</p> | | | | |
| 1.1 | 18 HP ODU | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Basic Price for 18 HP ODU i/c accessories, fittings, supports etc. | Each | 1 | 214470 | 214470.00 |
| | Cartage @1% of A | | | | 2144.70 |
| | Total A | | | | 216614.70 |
| | ITC @4% of A | | | | 8664.59 |
| | Total | | | | 225279.29 |
| | Add 12% GST (MF = 0.1405) | | | | 31651.74 |
| | Total | | | | 256931.03 |
| | Overhead & Profit @ 15% | | | | 38539.65 |
| | TOTAL | | | | 295470.68 |
| | Rate Per HP | | | | 16415.04 |
| | Say Rs. | | | | 16415 |
| INDOOR UNIT-CASSETTE TYPE | | | | | |
| 2 | <p>Supply, installation, testing and commissioning of following minimum capacity 4-way flow VRV/VRF Cassette Type Indoor ceiling mounted unit equipped with synthetic washable media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX Copper coil, electronic expansion valve, outer cabinet, drain pump, grill, necessary supports, vibration isolation, cord less remote control etc., suitable for operation on single phase 230 V ± 10%, 50Hz AC supply, complete, as required. The unit shall have automatic force shut down provision in case of fire on receiving signal from BMS System. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature.</p> | | | | |
| 2.1 | 0.8 TR | | | | |

| | Description | Unit | Qty. | Rate | Amount (Rs.) |
|------------|---|-------------|-------------|-------------|---------------------|
| | A Material | | | | |
| | Price for 0.8 TR Cassette type IDU i/c accessories, fittings, supports etc. | Each | 1 | 19875 | 19875 |
| | Cartage @1% of A | | | | 198.75 |
| | Total A | | | | 20073.75 |
| | ITC @4% of A | | | | 802.95 |
| | Total | | | | 20876.7 |
| | Add 12% GST (MF = 0.1405) | | | | 2933.18 |
| | Total | | | | 23809.88 |
| | Overhead & Profit @ 15% | | | | 3571.48 |
| | TOTAL | | | | 27381.36 |
| | Say Rs. | | | | 27381 |
| 2.2 | 1 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 1 TR Cassette type IDU i/c accessories, fittings, supports etc. | Each | 1 | 21149 | 21149 |
| | Cartage @1% of A | | | | 211.49 |
| | Total A | | | | 21360.49 |
| | ITC @4% of A | | | | 854.42 |
| | Total | | | | 22214.91 |
| | Add 12% GST (MF = 0.1405) | | | | 3121.19 |
| | Total | | | | 25336.10 |
| | Overhead & Profit @ 15% | | | | 3800.41 |
| | TOTAL | | | | 29136.51 |
| | Say Rs. | | | | 29137 |
| 2.3 | 1.2 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 1.2 TR Cassette type IDU i/c accessories, fittings, supports etc. | Each | 1 | 21404 | 21404 |
| | Cartage @1% of A | | | | 214.04 |
| | Total A | | | | 21618.04 |
| | ITC @4% of A | | | | 864.72 |
| | Total | | | | 22482.76 |
| | Add 12% GST (MF = 0.1405) | | | | 3158.83 |
| | Total | | | | 25641.59 |

| | | | | | |
|------------|---|-------------|-------------|-------------|---------------------|
| | Overhead & Profit @ 15% | | | | 3846.24 |
| | TOTAL | | | | 29487.83 |
| | Say Rs. | | | | 29488 |
| 2.4 | 1.6 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 1.6 TR Cassette type IDU i/c accessories, fittings, supports etc. | Each | 1 | 21924 | 21924 |
| | Cartage @1% of A | | | | 219.24 |
| | Total A | | | | 22143.24 |
| | ITC @4% of A | | | | 885.73 |
| | Total | | | | 23028.97 |
| | Add 12% GST (MF = 0.1405) | | | | 3235.57 |
| | Total | | | | 26264.54 |
| | Overhead & Profit @ 15% | | | | 3939.68 |
| | TOTAL | | | | 30204.22 |
| | Say Rs. | | | | 30204 |
| 2.5 | 2 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 2 TR Cassette type IDU i/c accessories, fittings, supports etc. | Each | 1 | 22357 | 22357 |
| | Cartage @1% of A | | | | 223.57 |
| | Total A | | | | 22580.57 |
| | ITC @4% of A | | | | 903.22 |
| | Total | | | | 23483.79 |
| | Add 12% GST (MF = 0.1405) | | | | 3299.47 |
| | Total | | | | 26783.26 |
| | Overhead & Profit @ 15% | | | | 4017.49 |
| | TOTAL | | | | 30800.75 |
| | Say Rs. | | | | 30801 |
| 2.6 | 2.4 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 2.4 TR Cassette type IDU i/c accessories, fittings, supports etc. | Each | 1 | 22830.50 | 22830.50 |
| | Cartage @1% of A | | | | 228.31 |
| | Total A | | | | 23058.81 |
| | ITC @4% of A | | | | 922.35 |

| | | | | | |
|------------|---|-------------|-------------|-------------|---------------------|
| | Total | | | | 23981.16 |
| | Add 12% GST (MF = 0.1405) | | | | 3369.35 |
| | Total | | | | 27350.51 |
| | Overhead & Profit @ 15% | | | | 4102.58 |
| | TOTAL | | | | 31453.08 |
| | Say Rs. | | | | 31453 |
| 2.7 | 2.8 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 2.8 TR Cassette type IDU i/c accessories, fittings, supports etc. | Each | 1 | 23238.5 | 23238.5 |
| | Cartage @1% of A | | | | 232.39 |
| | Total A | | | | 23470.89 |
| | ITC @4% of A | | | | 938.84 |
| | Total | | | | 24409.72 |
| | Add 12% GST (MF = 0.1405) | | | | 3429.57 |
| | Total | | | | 27839.29 |
| | Overhead & Profit @ 15% | | | | 4175.89 |
| | TOTAL | | | | 32015.18 |
| | Say Rs. | | | | 32015 |
| 2.8 | 3.2 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 3.2 TR Cassette type IDU i/c accessories, fittings, supports etc. | Each | 1 | 23799 | 23799 |
| | Cartage @1% of A | | | | 237.99 |
| | Total A | | | | 24036.99 |
| | ITC @4% of A | | | | 961.48 |
| | Total | | | | 24998.47 |
| | Add 12% GST (MF = 0.1405) | | | | 3512.28 |
| | Total | | | | 28510.75 |
| | Overhead & Profit @ 15% | | | | 4276.61 |
| | TOTAL | | | | 32787.36 |
| | Say Rs. | | | | 32787 |
| 2.9 | 3.6 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 3.6 TR Cassette type IDU i/c accessories, fittings, supports etc. | Each | 1 | 24105 | 24105 |

| | | | | | |
|-----------------------------------|---|-------------|-------------|-------------|---------------------|
| | Cartage @1% of A | | | | 241.05 |
| | Total A | | | | 24346.05 |
| | ITC @4% of A | | | | 973.84 |
| | Total | | | | 25319.9 |
| | Add 12% GST (MF = 0.1405) | | | | 3557.44 |
| | Total | | | | 28877.33 |
| | Overhead & Profit @ 15% | | | | 4331.60 |
| | TOTAL | | | | 33208.93 |
| | Say Rs. | | | | 33209 |
| 2.10 | 4 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 4 TR Cassette type IDU i/c accessories, fittings, supports etc. | Each | 1 | 24665.50 | 24665.5 |
| | Cartage @1% of A | | | | 246.66 |
| | Total A | | | | 24912.16 |
| | ITC @4% of A | | | | 996.49 |
| | Total | | | | 25908.64 |
| | Add 12% GST (MF = 0.1405) | | | | 3640.16 |
| | Total | | | | 29548.80 |
| | Overhead & Profit @ 15% | | | | 4432.32 |
| | TOTAL | | | | 33981.12 |
| | Say Rs. | | | | 33981 |
| INDOOR UNIT-HIGH WALL TYPE | | | | | |
| 3 | Supply, installation, testing and commissioning of following minimum capacity VRV/VRF High wall type Indoor unit equipped with washable synthetic media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX copper coil, electronic expansion valve, outer cabinet, cord less remote control, drain pan, necessary accessories etc., suitable for operation on 230 V ± 10%, 50 Hz, single phase AC supply, complete as required. The unit shall have automatic force shut down provision in case of fire on receiving signal from BMS System. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature. | | | | |
| 3.1 | 0.6 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 0.6 TR High Wall type IDU i/c accessories, fittings, supports etc. | Each | 1 | 13595 | 13595 |
| | Cartage @1% of A | | | | 135.95 |

| | | | | | |
|------------|--|-------------|-------------|-------------|---------------------|
| | Total A | | | | 13730.95 |
| | ITC @4% of A | | | | 549.24 |
| | Total | | | | 14280.19 |
| | Add 12% GST (MF = 0.1405) | | | | 2006.37 |
| | Total | | | | 16286.56 |
| | Overhead & Profit @ 15% | | | | 2442.98 |
| | TOTAL | | | | 18729.54 |
| | Say Rs. | | | | 18730 |
| 3.2 | 0.8 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 0.8 TR High Wall type IDU i/c accessories, fittings, supports etc. | Each | 1 | 14018 | 14018 |
| | Cartage @1% of A | | | | 140.18 |
| | Total A | | | | 14158.18 |
| | ITC @4% of A | | | | 566.33 |
| | Total | | | | 14724.51 |
| | Add 12% GST (MF = 0.1405) | | | | 2068.79 |
| | Total | | | | 16793.30 |
| | Overhead & Profit @ 15% | | | | 2518.99 |
| | TOTAL | | | | 19312.29 |
| | Say Rs. | | | | 19312 |
| 3.3 | 1 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 1 TR High Wall type IDU i/c accessories, fittings, supports etc. | Each | 1 | 14299.5 | 14299.50 |
| | Cartage @1% of A | | | | 143.00 |
| | Total A | | | | 14442.50 |
| | ITC @4% of A | | | | 577.70 |
| | Total | | | | 15020.19 |
| | Add 12% GST (MF = 0.1405) | | | | 2110.34 |
| | Total | | | | 17130.53 |
| | Overhead & Profit @ 15% | | | | 2569.58 |
| | TOTAL | | | | 19700.12 |
| | Say Rs. | | | | 19700 |
| 3.4 | 1.3 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |

| | | | | | |
|------------|---|-------------|-------------|-------------|---------------------|
| | Price for 1.3 TR High Wall type IDU i/c accessories, fittings, supports etc. | Each | 1 | 15371 | 15371 |
| | Cartage @1% of A | | | | 153.71 |
| | Total A | | | | 15524.71 |
| | ITC @4% of A | | | | 620.99 |
| | Total | | | | 16145.70 |
| | Add 12% GST (MF = 0.1405) | | | | 2268.47 |
| | Total | | | | 18414.17 |
| | Overhead & Profit @ 15% | | | | 2762.13 |
| | TOTAL | | | | 21176.29 |
| | Say Rs. | | | | 21176 |
| 3.5 | 1.45 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 1.45 TR High Wall type IDU i/c accessories, fittings, supports etc. | Each | 1 | 15472 | 15472 |
| | Cartage @1% of A | | | | 154.72 |
| | Total A | | | | 15626.72 |
| | ITC @4% of A | | | | 625.07 |
| | Total | | | | 16251.79 |
| | Add 12% GST (MF =0.1405) | | | | 2283.38 |
| | Total | | | | 18535.17 |
| | Overhead & Profit @ 15% | | | | 2780.28 |
| | TOTAL | | | | 21315.44 |
| | Say Rs. | | | | 21315 |
| 3.6 | 1.65 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 1.65 TR High Wall IDU i/c accessories, fittings, supports etc. | Each | 1 | 15784.50 | 15784.50 |
| | Cartage @1% of A | | | | 157.85 |
| | Total A | | | | 15942.35 |
| | ITC @4% of A | | | | 637.69 |
| | Total | | | | 16580.04 |
| | Add 12% GST (MF =0.1405) | | | | 2329.50 |
| | Total | | | | 18909.54 |
| | Overhead & Profit @ 15% | | | | 2836.43 |
| | TOTAL | | | | 21745.97 |
| | Say Rs. | | | | 21746 |

| | | | | | |
|----------------------------------|--|-------------|-------------|-------------|---------------------|
| 3.7 | 2 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 2 TR High Wall type IDU i/c accessories, fittings, supports etc. | Each | 1 | 16041.50 | 16041.5 |
| | Cartage @1% of A | | | | 160.42 |
| | Total A | | | | 16201.92 |
| | ITC @4% of A | | | | 648.08 |
| | Total | | | | 16849.99 |
| | Add 12% GST (MF = 0.1405) | | | | 2367.42 |
| | Total | | | | 19217.41 |
| | Overhead & Profit @ 15% | | | | 2882.61 |
| | TOTAL | | | | 22100.02 |
| | Say Rs. | | | | 22100 |
| INDOOR UNIT-DUCTABLE TYPE | | | | | |
| 4 | <p>Supply, installation, testing and commissioning of following minimum capacity and external static pressure VRF/VRV ceiling mounted ductable type Indoor unit equipped with washable synthetic media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX copper coil, electronic expansion valve, corded remote control, outer cabinet, vibration isolators, drain pan, other necessary supports etc., suitable for operation on single phase AC supply 230 V ± 10%, 50 Hz complete as required. The unit shall have automatic force shut down provision in case of fire on receiveing signal from BMS System. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature.</p> | | | | |
| | Low static ductable units (minimum 25 pascal external static pressure) | | | | |
| 4.1 | 0.6 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 0.6 TR Ductable type IDU i/c accessories, fittings, supports etc. | Each | 1 | 19523 | 19523.00 |
| | Cartage @1% of A | | | | 195.23 |
| | Total A | | | | 19718.23 |
| | ITC @4% of A | | | | 788.73 |
| | Total | | | | 20506.96 |
| | Add 12% GST (MF = 0.1405) | | | | 2881.23 |
| | Total | | | | 23388.19 |
| | Overhead & Profit @ 15% | | | | 3508.23 |
| | TOTAL | | | | 26896.42 |

| | | | | | |
|------------|---|-------------|-------------|-------------|---------------------|
| | Say Rs. | | | | 26896 |
| 4.2 | 0.7 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 0.7 TR Ductable type IDU i/c accessories, fittings, supports etc. | Each | 1 | 20132 | 20132.00 |
| | Cartage @1% of A | | | | 201.32 |
| | Total A | | | | 20333.32 |
| | ITC @4% of A | | | | 813.33 |
| | Total | | | | 21146.65 |
| | Add 12% GST (MF = 0.1405) | | | | 2971.10 |
| | Total | | | | 24117.75 |
| | Overhead & Profit @ 15% | | | | 3617.66 |
| | TOTAL | | | | 27735.42 |
| | Say Rs. | | | | 27735 |
| 4.3 | 0.8 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 0.8 TR Ductable type IDU i/c accessories, fittings, supports etc. | Each | 1 | 20568 | 20568.00 |
| | Cartage @1% of A | | | | 205.68 |
| | Total A | | | | 20773.68 |
| | ITC @4% of A | | | | 830.95 |
| | Total | | | | 21604.63 |
| | Add 12% GST (MF = 0.1405) | | | | 3035.45 |
| | Total | | | | 24640.08 |
| | Overhead & Profit @ 15% | | | | 3696.01 |
| | TOTAL | | | | 28336.09 |
| | Say Rs. | | | | 28336 |
| 4.4 | 0.9 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 0.9 TR Ductable type IDU i/c accessories, fittings, supports etc. | Each | 1 | 21484 | 21484.00 |
| | Cartage @1% of A | | | | 214.84 |
| | Total A | | | | 21698.84 |
| | ITC @4% of A | | | | 867.95 |
| | Total | | | | 22566.79 |
| | Add 12% GST (MF = 0.1405) | | | | 3170.63 |

| | | | | | |
|------------|---|-------------|-------------|-------------|---------------------|
| | Total | | | | 25737.42 |
| | Overhead & Profit @ 15% | | | | 3860.61 |
| | TOTAL | | | | 29598.04 |
| | Say Rs. | | | | 29598 |
| 4.5 | 1 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 1 TR Ductable type IDU i/c accessories, fittings, supports etc. | Each | 1 | 21529 | 21529.00 |
| | Cartage @1% of A | | | | 215.29 |
| | Total A | | | | 21744.29 |
| | ITC @4% of A | | | | 869.77 |
| | Total | | | | 22614.06 |
| | Add 12% GST (MF = 0.1405) | | | | 3177.28 |
| | Total | | | | 25791.34 |
| | Overhead & Profit @ 15% | | | | 3868.70 |
| | TOTAL | | | | 29660.04 |
| | Say Rs. | | | | 29660 |
| 4.6 | 1.1 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 1.1 TR Ductable type IDU i/c accessories, fittings, supports etc. | Each | 1 | 23670 | 23670.00 |
| | Cartage @1% of A | | | | 236.70 |
| | Total A | | | | 23906.70 |
| | ITC @4% of A | | | | 956.27 |
| | Total | | | | 24862.97 |
| | Add 12% GST (MF = 0.1405) | | | | 3493.25 |
| | Total | | | | 28356.22 |
| | Overhead & Profit @ 15% | | | | 4253.43 |
| | TOTAL | | | | 32609.65 |
| | Say Rs. | | | | 32610 |
| 4.7 | 1.3 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 1.3 TR Ductable type IDU i/c accessories, fittings, supports etc. | Each | 1 | 24933 | 24933.00 |
| | Cartage @1% of A | | | | 249.33 |
| | Total A | | | | 25182.33 |

| | | | | | |
|-------------|---|-------------|-------------|-------------|---------------------|
| | ITC @4% of A | | | | 1007.29 |
| | Total | | | | 26189.62 |
| | Add 12% GST (MF = 0.1405) | | | | 3679.64 |
| | Total | | | | 29869.26 |
| | Overhead & Profit @ 15% | | | | 4480.39 |
| | TOTAL | | | | 34349.65 |
| | Say Rs. | | | | 34350 |
| 4.8 | 1.4 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 1.4 TR Ductable type IDU i/c accessories, fittings, supports etc. | Each | 1 | 25151 | 25151.00 |
| | Cartage @1% of A | | | | 251.51 |
| | Total A | | | | 25402.51 |
| | ITC @4% of A | | | | 1016.10 |
| | Total | | | | 26418.61 |
| | Add 12% GST (MF = 0.1405) | | | | 3711.81 |
| | Total | | | | 30130.42 |
| | Overhead & Profit @ 15% | | | | 4519.56 |
| | TOTAL | | | | 34649.98 |
| | Say Rs. | | | | 34650 |
| 4.9 | 1.6 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 1.6 TR Ductable type IDU i/c accessories, fittings, supports etc. | Each | 1 | 25593 | 25593.00 |
| | Cartage @1% of A | | | | 255.93 |
| | Total A | | | | 25848.93 |
| | ITC @4% of A | | | | 1033.96 |
| | Total | | | | 26882.89 |
| | Add 12% GST (MF = 0.1405) | | | | 3777.05 |
| | Total | | | | 30659.94 |
| | Overhead & Profit @ 15% | | | | 4598.99 |
| | TOTAL | | | | 35258.93 |
| | Say Rs. | | | | 35259 |
| | Mid Static Ductable units (minimum 45 pascal external static pressure) | | | | |
| 4.10 | 1.8 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |

| | | | | | |
|-------------|---|-------------|-------------|-------------|---------------------|
| | Price for 1.8 TR Ductable type IDU i/c accessories, fittings, supports etc. | Each | 1 | 27606 | 27606.00 |
| | Cartage @1% of A | | | | 276.06 |
| | Total A | | | | 27882.06 |
| | ITC @4% of A | | | | 1115.28 |
| | Total | | | | 28997.34 |
| | Add 12% GST (MF = 0.1405) | | | | 4074.13 |
| | Total | | | | 33071.47 |
| | Overhead & Profit @ 15% | | | | 4960.72 |
| | TOTAL | | | | 38032.19 |
| | Say Rs. | | | | 38032 |
| 4.11 | 2 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 2 TR Ductable type IDU i/c accessories, fittings, supports etc. | Each | 1 | 28245 | 28245.00 |
| | Cartage @1% of A | | | | 282.45 |
| | Total A | | | | 28527.45 |
| | ITC @4% of A | | | | 1141.10 |
| | Total | | | | 29668.55 |
| | Add 12% GST (MF = 0.1405) | | | | 4168.43 |
| | Total | | | | 33836.98 |
| | Overhead & Profit @ 15% | | | | 5075.55 |
| | TOTAL | | | | 38912.52 |
| | Say Rs. | | | | 38913 |
| 4.12 | 2.3 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 2.3 TR Ductable type IDU i/c accessories, fittings, supports etc. | Each | 1 | 28794 | 28794.00 |
| | Cartage @1% of A | | | | 287.94 |
| | Total A | | | | 29081.94 |
| | ITC @4% of A | | | | 1163.28 |
| | Total | | | | 30245.22 |
| | Add 12% GST (MF = 0.1405) | | | | 4249.45 |
| | Total | | | | 34494.67 |
| | Overhead & Profit @ 15% | | | | 5174.20 |
| | TOTAL | | | | 39668.87 |
| | Say Rs. | | | | 39669 |

| | | | | | |
|-------------|---|-------------|-------------|-------------|---------------------|
| 4.13 | 2.6 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 2.6 TR Ductable type IDU i/c accessories, fittings, supports etc. | Each | 1 | 30740 | 30740.00 |
| | Cartage @1% of A | | | | 307.40 |
| | Total A | | | | 31047.40 |
| | ITC @4% of A | | | | 1241.90 |
| | Total | | | | 32289.30 |
| | Add 12% GST (MF = 0.1405) | | | | 4536.65 |
| | Total | | | | 36825.95 |
| | Overhead & Profit @ 15% | | | | 5523.89 |
| | TOTAL | | | | 42349.84 |
| | Say Rs. | | | | 42350 |
| 4.14 | 2.8 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 2.8 TR Ductable type IDU i/c accessories, fittings, supports etc. | Each | 1 | 33957 | 33957.00 |
| | Cartage @1% of A | | | | 339.57 |
| | Total A | | | | 34296.57 |
| | ITC @4% of A | | | | 1371.86 |
| | Total | | | | 35668.43 |
| | Add 12% GST (MF = 0.1405) | | | | 5011.41 |
| | Total | | | | 40679.84 |
| | Overhead & Profit @ 15% | | | | 6101.98 |
| | TOTAL | | | | 46781.82 |
| | Say Rs. | | | | 46782 |
| 4.15 | 3.4 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 3.4 TR Ductable type IDU i/c accessories, fittings, supports etc. | Each | 1 | 34588 | 34588.00 |
| | Cartage @1% of A | | | | 345.88 |
| | Total A | | | | 34933.88 |
| | ITC @4% of A | | | | 1397.36 |
| | Total | | | | 36331.24 |
| | Add 12% GST (MF = 0.1405) | | | | 5104.54 |
| | Total | | | | 41435.78 |

| | | | | | |
|-------------|---|-------------|-------------|-------------|---------------------|
| | Overhead & Profit @ 15% | | | | 6215.37 |
| | TOTAL | | | | 47651.14 |
| | Say Rs. | | | | 47651 |
| 4.16 | 4 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 4 TR Ductable type IDU i/c accessories, fittings, supports etc. | Each | 1 | 35372 | 35372.00 |
| | Cartage @1% of A | | | | 353.72 |
| | Total A | | | | 35725.72 |
| | ITC @4% of A | | | | 1429.03 |
| | Total | | | | 37154.75 |
| | Add 12% GST (MF = 0.1405) | | | | 5220.24 |
| | Total | | | | 42374.99 |
| | Overhead & Profit @ 15% | | | | 6356.25 |
| | TOTAL | | | | 48731.24 |
| | Say Rs. | | | | 48731 |
| | High Static Ductable units (minimum 110 pascal external static pressure) | | | | |
| 4.17 | 5.5 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 5.5 TR Ductable type IDU i/c accessories, fittings, supports etc. | Each | 1 | 62254 | 62254.00 |
| | Cartage @1% of A | | | | 622.54 |
| | Total A | | | | 62876.54 |
| | ITC @4% of A | | | | 2515.06 |
| | Total | | | | 65391.60 |
| | Add 12% GST (MF = 0.1405) | | | | 9187.52 |
| | Total | | | | 74579.12 |
| | Overhead & Profit @ 15% | | | | 11186.87 |
| | TOTAL | | | | 85765.99 |
| | Say Rs. | | | | 85766 |
| 4.18 | 7.1 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 7.1 TR Ductable type IDU i/c accessories, fittings, supports etc. | Each | 1 | 63354 | 63354.00 |
| | Cartage @1% of A | | | | 633.54 |
| | Total A | | | | 63987.54 |

| | | | | | |
|----------------------------------|--|-------------|-------------|-------------|---------------------|
| | ITC @4% of A | | | | 2559.50 |
| | Total | | | | 66547.04 |
| | Add 12% GST (MF = 0.1405) | | | | 9349.86 |
| | Total | | | | 75896.90 |
| | Overhead & Profit @ 15% | | | | 11384.54 |
| | TOTAL | | | | 87281.44 |
| | Say Rs. | | | | 87281 |
| 4.19 | 8 TR | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 8 TR Ductable type IDU i/c accessories, fittings, supports etc. | Each | 1 | 65030 | 65030.00 |
| | Cartage @1% of A | | | | 650.30 |
| | Total A | | | | 65680.30 |
| | ITC @4% of A | | | | 2627.21 |
| | Total | | | | 68307.51 |
| | Add 12% GST (MF = 0.1405) | | | | 9597.21 |
| | Total | | | | 77904.72 |
| | Overhead & Profit @ 15% | | | | 11685.71 |
| | TOTAL | | | | 89590.43 |
| | Say Rs. | | | | 89590 |
| COPEER REFRIGERANT PIPING | | | | | |
| 5 | Supply, Installation, testing and commissioning including vaccumiazation and Nitrogen testing of following nominal sizes of soft/hard drawn copper refrigerant piping for VRV/VRF system, complete with fittings, with suitable adjustable ring type hanger supports, jointing/brazing including accessories, insulated with XPLE Class-O tubular insulation/with Class-O closed cell elastometric nitrile rubber tubular sleeves sections of specified thickness as given below for Suction and Liquid lines, all accessories as per specifications etc. as required : | | | | |
| 5.1 | 6.4 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 6.4 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation | m | 1 | 178 | 178 |
| | Cartage @1% of A | | | | 1.78 |
| | Total A | | | | 179.78 |
| | ITC @4% of A | | | | 7.1912 |
| | Total | | | | 186.97 |

| | | | | | |
|------------|--|-------------|-------------|-------------|---------------------|
| | Add 12% GST (MF = 0.1405) | | | | 26.27 |
| | Total | | | | 213.24 |
| | Overhead & Profit @ 15% | | | | 31.99 |
| | TOTAL | | | | 245.23 |
| | Say Rs. | | | | 245 |
| 5.2 | 9.5 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 9.5 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation | m | 1 | 240 | 240 |
| | Cartage @1% of A | | | | 2.40 |
| | Total A | | | | 242.40 |
| | ITC @4% of A | | | | 9.70 |
| | Total | | | | 252.10 |
| | Add 12% GST (MF =0.1405) | | | | 35.42 |
| | Total | | | | 287.52 |
| | Overhead & Profit @ 15% | | | | 43.13 |
| | TOTAL | | | | 330.64 |
| | Say Rs. | | | | 331 |
| 5.3 | 12.7 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 12.7 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation | m | 1 | 338 | 338 |
| | Cartage @1% of A | | | | 3.38 |
| | Total A | | | | 341.38 |
| | ITC @4% of A | | | | 13.66 |
| | Total | | | | 355.04 |
| | Add 12% GST (MF = 0.1405) | | | | 49.88 |
| | Total | | | | 404.92 |
| | Overhead & Profit @ 15% | | | | 60.74 |
| | TOTAL | | | | 465.65 |
| | Say Rs. | | | | 466 |
| 5.4 | 15.86 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |

| | | | | | |
|------------|---|-------------|-------------|-------------|---------------------|
| | Price for 15.86 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation | m | 1 | 427 | 427 |
| | Cartage @1% of A | | | | 4.27 |
| | Total A | | | | 431.27 |
| | ITC @4% of A | | | | 17.25 |
| | Total | | | | 448.52 |
| | Add 12% GST (MF = 0.1405) | | | | 63.02 |
| | Total | | | | 511.54 |
| | Overhead & Profit @ 15% | | | | 76.73 |
| | TOTAL | | | | 588.27 |
| | Say Rs. | | | | 588 |
| 5.5 | 19 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 19 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation | m | 1 | 513 | 513 |
| | Cartage @1% of A | | | | 5.13 |
| | Total A | | | | 518.13 |
| | ITC @4% of A | | | | 20.73 |
| | Total | | | | 538.86 |
| | Add 12% GST (MF = 0.1405) | | | | 75.71 |
| | Total | | | | 614.57 |
| | Overhead & Profit @ 15% | | | | 92.18 |
| | TOTAL | | | | 706.75 |
| | Say Rs. | | | | 707 |
| 5.6 | 22.2 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 22.2 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation | m | 1 | 628 | 628 |
| | Cartage @1% of A | | | | 6.28 |
| | Total A | | | | 634.28 |
| | ITC @4% of A | | | | 25.37 |
| | Total | | | | 659.65 |
| | Add 12% GST (MF = 0.1405) | | | | 92.68 |
| | Total | | | | 752.33 |
| | Overhead & Profit @ 15% | | | | 112.85 |

| | | | | | |
|------------|---|-------------|-------------|-------------|---------------------|
| | TOTAL | | | | 865.18 |
| | Say Rs. | | | | 865 |
| 5.7 | 25.4 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 25.4 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation | m | 1 | 742 | 742 |
| | Cartage @1% of A | | | | 7.42 |
| | Total A | | | | 749.42 |
| | ITC @4% of A | | | | 29.98 |
| | Total | | | | 779.40 |
| | Add 12% GST (MF =0.1405) | | | | 109.51 |
| | Total | | | | 888.91 |
| | Overhead & Profit @ 15% | | | | 133.34 |
| | TOTAL | | | | 1022.24 |
| | Say Rs. | | | | 1022 |
| 5.8 | 28.58 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 28.58 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation | m | 1 | 804 | 804 |
| | Cartage @1% of A | | | | 8.04 |
| | Total A | | | | 812.04 |
| | ITC @4% of A | | | | 32.48 |
| | Total | | | | 844.52 |
| | Add 12% GST (MF = 0.1405) | | | | 118.66 |
| | Total | | | | 963.18 |
| | Overhead & Profit @ 15% | | | | 144.48 |
| | TOTAL | | | | 1107.66 |
| | Say Rs. | | | | 1108 |
| 5.9 | 31.8 mm dia (OD) (Hard drawn) with tube thickness 1.62 mm with 19 mm thick insulation | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 31.8 mm dia (OD) (Hard drawn) with tube thickness 1.62 mm with 19 mm thick insulation | m | 1 | 849 | 849 |
| | Cartage @1% of A | | | | 8.49 |

| | | | | | |
|-------------|---|-------------|-------------|-------------|---------------------|
| | Total A | | | | 857.49 |
| | ITC @4% of A | | | | 34.30 |
| | Total | | | | 891.79 |
| | Add 12% GST (MF = 0.1405) | | | | 125.30 |
| | Total | | | | 1017.09 |
| | Overhead & Profit @ 15% | | | | 152.56 |
| | TOTAL | | | | 1169.65 |
| | Say Rs. | | | | 1170 |
| 5.10 | 34.9 mm dia (OD) (Hard drawn) with tube thickness 1.62 mm with 19 mm thick insulation | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 34.9 mm dia (OD) (Hard drawn) with tube thickness 1.62 mm with 19 mm thick insulation | m | 1 | 893 | 893 |
| | Cartage @1% of A | | | | 8.93 |
| | Total A | | | | 901.93 |
| | ITC @4% of A | | | | 36.08 |
| | Total | | | | 938.01 |
| | Add 12% GST (MF = 0.1405) | | | | 131.79 |
| | Total | | | | 1069.80 |
| | Overhead & Profit @ 15% | | | | 160.47 |
| | TOTAL | | | | 1230.27 |
| | Say Rs. | | | | 1230 |
| 5.11 | 38.1 mm dia (OD) (Hard drawn) with tube thickness 1.62 mm with 19 mm thick insulation | | | | |
| | Description | Unit | Qty. | Rate | Amount (Rs.) |
| | A Material | | | | |
| | Price for 38.1 mm dia (OD) (Hard drawn) with tube thickness 1.62 mm with 19 mm thick insulation | m | 1 | 918 | 918 |
| | Cartage @1% of A | | | | 9.18 |
| | Total A | | | | 927.18 |
| | ITC @4% of A | | | | 37.09 |
| | Total | | | | 964.27 |
| | Add 12% GST (MF = 0.1405) | | | | 135.48 |
| | Total | | | | 1099.75 |
| | Overhead & Profit @ 15% | | | | 164.96 |
| | TOTAL | | | | 1264.71 |
| | Say Rs. | | | | 1265 |
| 5.12 | 41.27 mm dia (OD) (Hard drawn) with tube thickness 1.62 mm with 19 mm thick insulation | | | | |

| | Description | Unit | Qty. | Rate | Amount (Rs.) |
|--|--|-------------|-------------|-------------|---------------------|
| | A Material | | | | |
| | Price for 41.27 mm dia (OD) (Hard drawn) with tube thickness 1.62 mm with 19 mm thick insulation | m | 1 | 950 | 950 |
| | Cartage @1% of A | | | | 9.50 |
| | Total A | | | | 959.50 |
| | ITC @4% of A | | | | 38.38 |
| | Total | | | | 997.88 |
| | Add 12% GST (MF = 0.1405) | | | | 140.20 |
| | Total | | | | 1138.08 |
| | Overhead & Profit @ 15% | | | | 170.71 |
| | TOTAL | | | | 1308.79 |
| | Say Rs. | | | | 1309 |