



# HVAC SOLUTIONS

ISO 9001:2015 Certified Company

Khasra No. 1727, Plot No. 3&4, Divya Enclave Colony,  
Salempur Mahdood-2, HARIDWAR-249402, UTTARAKHAND

GSTN- 05AHXPY0883D1ZR

Contact No. +91-9643385523, E-mail ID :- hvacsolutions.india@gmail.com

|            |                                                                                                |
|------------|------------------------------------------------------------------------------------------------|
| Ref. No.   | HVAC/TML/22-23/05-12                                                                           |
| Date       | 05.12.2022                                                                                     |
| To         | M/s.Parrish Pharmaceuticals Pvt Ltd, Plot No 50, Sector-8A, IIE, SIDCUL, Haridwar, Uttarakhand |
| Kind Attn. | Mr. Ravikant Ji                                                                                |
| Subject    | Quotation of HVAC Systems                                                                      |
| Project    | Upcoming Requirement                                                                           |

Dear Sir,

With reference to our discussion for the above cited subject, our best prices

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1</b>   | <b>AIR HANDLING UNIT(DOUBLE SKIN)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|            | Floor mounted Double skin AHU with internal coving constructed on 50 mm thick Al profile with duly sandwiched panel of thickness 43 mm etc.PUF insulation panel of density $40 \pm 2$ Kg/m <sup>3</sup> ,Panel inner sheet 0.6 mm Plain GI and outer sheet 0.6 mm Pre Painted GI .Drain pan SS 304 (18 swg). marine light for proper illumination. Door shall be Hinged type with limit switch in fan section., The AHU shall be complete with 100 mm GSS Base frame, earthing point, cable entry ports, pressure ports across the all filters etc in following section : |
| <b>1.1</b> | <b>Mixing Chamber</b> : Complete with Al extruded gear operated volume control damper for fresh air with suitable for manual and motorised operation with 90 % down to 10 micron EU-4 Prefilter on fresh air damper <b>Make :Hvac Solutions</b>                                                                                                                                                                                                                                                                                                                           |
| <b>1.2</b> | <b>Prefilter</b> : 50 mm thick prefilter of efficiency 90 % down to 10 micron EU-4 / duly sealed , made out in Al construction Flange type <b>Make :Hvac Solutions</b>                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>1.3</b> | <b>Fan Section</b> : Fan section complete with arrangement of fixing of fan and motor drive unit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>1.4</b> | <b>Fan</b> : PLUG type centrifugal backward curve fan. Fan out let velocity shall not exceed more than 10 M/s or more than 52 hertz of frequency. <b>Make :Rosenberg/ Nicotra</b>                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>1.5</b> | <b>Motor</b> : TEFC 3- Phase squirrel cage induction motor of 2/4 Pole and side terminal assembly of suitable capacity. Motor design shall be in such a way that 5% safety should available minimum. <b>Make : Bharat Bijlee/ Cropmton</b>                                                                                                                                                                                                                                                                                                                                |
| <b>1.6</b> | Mounting Arrangement : Al extruded section shall be provided below fan and motor. Prefabricated sliding rail arrangement shall be provided below motor for proper alignment. rubber pads shall be provided below this section to avoid any vibration                                                                                                                                                                                                                                                                                                                      |

| 1.7                 | Flexible connection at out let of fan to discharge section made out with fire retardant canvas cloth in double fold                                                                                                                                                      |          |     |      |      |           |        |         |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----|------|------|-----------|--------|---------|
| 1.8                 | <b>DX Coil</b> :Casing:G.I.sheet/MOC Tube:0.4mm thick,12.5mm dia,Copper,Hydraulically tested at 250psi./MOC Fins:0.16 mm thick,Aluminum,12 fins/inch properly bonded with tube/Face Velocity:@500FPM/Row Deep-Six <b>Make : Hvac Solutions</b>                           |          |     |      |      |           |        |         |
| 1.9                 | <b>HEATER</b> MOC : GI , TYPE : Strip type .VOLTS : Single phase 230 V , CONTROLS with equal distribution of 3 phases                                                                                                                                                    |          |     |      |      |           |        |         |
| 1.10                | Face velocity across the coil shall not exceed more than 500 fpm. SS Drain Tray : 18/20 Gauge SS drain tray duly insulated with injected puff & closed with GI Sheet. as per manufacturing standard                                                                      |          |     |      |      |           |        |         |
| 1.11                | Discharge Section : Discharge section complete with fine filters mounting arrangement.                                                                                                                                                                                   |          |     |      |      |           |        |         |
| 1.12                | <b>Fine Filter</b> : Fine Filter of efficiency 95% down to 5 micron capacity EU-5 made out with Non wooven synthetic media duly supported with Al mesh at flow side. <b>Make :Hvac Solutions</b>                                                                         |          |     |      |      |           |        |         |
| 1.13                | Filter frame shall be in Al anodised sheet construction . Face velocity across the filter shall not exceeds 500 FPM                                                                                                                                                      |          |     |      |      |           |        |         |
| 1.14                | <b>Supply&amp;Return Air Damper</b> : Box,Aerofoil profile opposed blade,Gear driven,Low Leakage/MOC: 18 swg Extruded Aluminum./Other:Marked for Open & Closed./suitable for both motorised& manual operation . Location-AHU supply, Return, <b>Make :Hvac Solutions</b> |          |     |      |      |           |        |         |
| 1.15                | <b>Bleed air Damper</b> with microvee filter of efficiency 95% down to 05 micron as EU-5 filter. <b>Make :Hvac Solutions</b><br><b>NOTE-B/OFF DAMPER&amp; FILTER ONLY FOR CLASSIFIED AREA</b>                                                                            |          |     |      |      |           |        |         |
| 1.16                | Marine light in fan section with view glass and safety mesh.                                                                                                                                                                                                             |          |     |      |      |           |        |         |
| 1.17                | <b>Magnehalic</b> guage across pre & fine filter                                                                                                                                                                                                                         |          |     |      |      |           |        |         |
| S.No.               | Description                                                                                                                                                                                                                                                              | HSN CODE | GST | Qty. | Unit | Unit Rate | Amount | GST Amt |
| <b>GROUND FLOOR</b> |                                                                                                                                                                                                                                                                          |          |     |      |      |           |        |         |
|                     | <b>CLASSIFIED AREA</b>                                                                                                                                                                                                                                                   |          |     |      |      |           |        |         |
| 1.2.1               | AHU-GF-02 :-3200CFM SP 125MMWG (A/L,SYRUP BATCH ROOM,CLEAN EQUIPMENT,WASHING AREA)                                                                                                                                                                                       |          | 28% | 1    | Nos  | 125000    | 125000 | 35000   |
| 1.2.2               | AHU-GF-03 :-1200CFM SP 125 MMWG ( A/L,CAPSULE BLENDING)                                                                                                                                                                                                                  |          | 28% | 1    | Nos  | 68000     | 68000  | 19040   |
| 1.2.3               | AHU-GF-04 :-1000CFM SP 125 MMWG ( A/L,SYRUP BOTTLE WASHING)                                                                                                                                                                                                              |          | 28% | 1    | Nos  | 60000     | 60000  | 16800   |
| 1.2.4               | AHU-GF-05 :-2000CFM SP 125MMWG ( A/L,CAPSULE FILLING)                                                                                                                                                                                                                    |          | 28% | 1    | Nos  | 80000     | 80000  | 22400   |
| 1.2.5               | AHU-GF-05 :-1200CFM SP 125 MMWG ( A/L,SYRUP BOTTLE FILLING AND SEALING)                                                                                                                                                                                                  |          | 28% | 1    | Nos  | 68000     | 68000  | 19040   |

|       |                                                                                                               |  |     |    |     |       |        |        |
|-------|---------------------------------------------------------------------------------------------------------------|--|-----|----|-----|-------|--------|--------|
|       | UNCLASSIFIED AREA                                                                                             |  |     |    |     |       |        |        |
| 1.2.6 | AHU-GF-01 :-1600 CFM SP 85 MMWG (MALE CHANGE ROOM,FEMALE CHANGE ROOM,SUGAR STORE,CHANGE PARTS ROOM,DECORTING) |  | 28% | 1  | Nos | 70000 | 70000  | 19600  |
|       |                                                                                                               |  |     |    |     |       |        |        |
| 2     | CONDENSING UNIT                                                                                               |  |     |    |     |       |        |        |
|       | Supply , installtion and commisioning of Condensing unit and Accessories                                      |  |     |    |     |       |        |        |
| 2.1   | CONDENSING UNIT 8.5 TR (VOLTAS)                                                                               |  | 28% | 1  | Nos | 97000 | 97000  | 27160  |
| a)    | Distributors(MAKE-COOL TECH)                                                                                  |  | 18% | 1  | Nos | 0     | 0      | 0      |
| b)    | Expansion Valve(MAKE-DANFOSS)                                                                                 |  | 18% | 1  | Nos | 4800  | 4800   | 864    |
| c)    | Copper Piping with Insulation for suctin line- <sup>11</sup> / <sub>8</sub> Inch                              |  | 18% | 15 | RMT | 1450  | 21750  | 3915   |
| d)    | Copper Piping for discharge line- <sup>5</sup> / <sub>8</sub> Inch                                            |  | 18% | 15 | RMT | 725   | 10875  | 1957.5 |
| e)    | Tray-GI(22 SWG)                                                                                               |  | 18% | 1  | RMT | 450   | 450    | 81     |
| f)    | Condensing Unit Stand                                                                                         |  | 18% | 1  | Nos | 2500  | 2500   | 450    |
| g)    | Dryer                                                                                                         |  | 18% | 1  | Nos | 950   | 950    | 171    |
| h)    | Handsetup valve                                                                                               |  | 18% | 2  | Nos | 450   | 900    | 162    |
| i)    | Installation Charges                                                                                          |  |     |    |     |       |        |        |
|       | CONDENSING UNIT 8.5 TR                                                                                        |  | 18% | 1  | Nos | 8500  | 8500   | 1530   |
|       |                                                                                                               |  |     |    |     |       |        |        |
| 2.3   | CONDENSING UNIT 5.5 TR (Voltas)                                                                               |  | 28% | 2  | Nos | 64000 | 128000 | 35840  |
| a)    | Distributors(MAKE-COOL TECH)                                                                                  |  | 28% | 2  | Nos | 0     | 0      | 0      |
| b)    | Expansion Valve(MAKE-DANFOSS)                                                                                 |  | 18% | 2  | Nos | 3250  | 6500   | 1170   |
| c)    | Copper Piping with Insulation for suctin line- <sup>7</sup> / <sub>8</sub> Inch                               |  | 18% | 30 | RMT | 1250  | 37500  | 6750   |
| d)    | Copper Piping for discharge line-1/2 Inch                                                                     |  | 18% | 30 | RMT | 650   | 19500  | 3510   |
| e)    | Tray-GI(22 SWG)                                                                                               |  | 18% | 30 | RMT | 450   | 13500  | 2430   |
| f)    | Condensing Unit Stand                                                                                         |  | 18% | 2  | Nos | 2200  | 4400   | 792    |
| g)    | Dryer                                                                                                         |  | 18% | 2  | Nos | 850   | 1700   | 306    |

|     |                                                                                                                                                                                                                                                                                                                     |  |     |     |        |       |        |        |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|-----|--------|-------|--------|--------|
| h)  | Handsetup valve                                                                                                                                                                                                                                                                                                     |  | 18% | 4   | Nos    | 450   | 1800   | 324    |
| i)  | Installation Charges                                                                                                                                                                                                                                                                                                |  |     |     |        |       |        |        |
|     | CONDENSING UNIT 5.5 TR                                                                                                                                                                                                                                                                                              |  | 18% | 4   | Nos    | 5500  | 22000  | 3960   |
|     |                                                                                                                                                                                                                                                                                                                     |  |     |     |        |       |        |        |
| 2.4 | CONDENSING UNIT3 TR (VOLTAS)                                                                                                                                                                                                                                                                                        |  | 28% | 3   | Nos    | 37800 | 113400 | 31752  |
| a)  | Distributors(MAKE-COOL TECH)                                                                                                                                                                                                                                                                                        |  | 28% | 3   | Nos    | 0     | 0      |        |
| b)  | Expansion Valve(MAKE-DANFOSS)                                                                                                                                                                                                                                                                                       |  | 18% | 3   | Nos    | 2850  | 8550   | 1539   |
| c)  | Copper Piping with Insulation for suction line- 5/8 Inch                                                                                                                                                                                                                                                            |  | 18% | 45  | RMT    | 850   | 38250  | 6885   |
| d)  | Copper Piping with Insulation for discharge line- 3/8 Inch                                                                                                                                                                                                                                                          |  | 18% | 45  | RMT    | 550   | 24750  | 4455   |
| e)  | Tray-GI(22 SWG)                                                                                                                                                                                                                                                                                                     |  | 18% | 3   | RMT    | 450   | 1350   | 243    |
| f)  | Condensing Unit Stand                                                                                                                                                                                                                                                                                               |  | 18% | 3   | Nos    | 2000  | 6000   | 1080   |
| g)  | Dryer                                                                                                                                                                                                                                                                                                               |  | 18% | 3   | Nos    | 850   | 2550   | 459    |
| h)  | Handsetup valve                                                                                                                                                                                                                                                                                                     |  | 18% | 6   | Nos    | 350   | 2100   | 378    |
| i)  | Installation Charges                                                                                                                                                                                                                                                                                                |  |     |     |        |       |        |        |
|     | CONDENSING UNIT 3 TR                                                                                                                                                                                                                                                                                                |  | 18% | 3   | Nos    | 30000 | 90000  | 16200  |
|     |                                                                                                                                                                                                                                                                                                                     |  |     |     |        |       |        |        |
| 3   | DUCTING                                                                                                                                                                                                                                                                                                             |  |     |     |        |       |        |        |
|     | Factory / Site Fabricated GI ducting as per IS Standard with RTV sealant & 3 mm thkWith MS angle and Rubber gasket strips complete with supporting hangers, reavets, nut- bolts , threaded rod, fasteners etc.Fabrication of ducts shall be through Lock forming machines.Make :TATA/ JINDAL                        |  |     |     |        |       |        |        |
|     | Note - The quantities worked out are approximate, these may vary as per final layout & site conditions.                                                                                                                                                                                                             |  |     |     |        |       |        |        |
| 3.1 | 24 Guage Ducting                                                                                                                                                                                                                                                                                                    |  | 18% | 600 | Sq Mtr | 1050  | 630000 | 113400 |
| 3.2 | 22 Guage Ducting                                                                                                                                                                                                                                                                                                    |  | 18% | 150 | Sq Mtr | 1340  | 201000 | 36180  |
|     |                                                                                                                                                                                                                                                                                                                     |  |     |     |        |       |        |        |
| 4   | INSULATION                                                                                                                                                                                                                                                                                                          |  |     |     |        |       |        |        |
|     | Supplying , installation, testing & commissioning of external thermal insulation on DUCTS with Closed Cell Cross Linked Polythylene (XLPE) Foam of density 25±3 Kg/m³ & thermal Conducty not exceding 0.035 W/mK at an average Temperature of 40°C. The Material will be rated as Class 1, Make :AEROFOAM/PARAMOUNT |  |     |     |        |       |        |        |
| 4.1 | 12 MM THICK                                                                                                                                                                                                                                                                                                         |  | 18% | 750 | Sq Mtr | 590   | 442500 | 79650  |
| 4.2 | 6 MM THICK                                                                                                                                                                                                                                                                                                          |  | 18% | 60  | Sq Mtr | 410   | 24600  | 4428   |

|     |                                                                                                                                                                                                                                                           |  |     |    |     |      |       |       |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|----|-----|------|-------|-------|
|     |                                                                                                                                                                                                                                                           |  |     |    |     |      |       |       |
| 5   | SS PERFORATED GRILL WITH MS BLACK DAMPER (factory fabricated)                                                                                                                                                                                             |  |     |    |     |      |       |       |
|     |                                                                                                                                                                                                                                                           |  |     |    |     |      |       |       |
| 5.1 | SS-304 GRILL                                                                                                                                                                                                                                              |  |     |    |     |      |       |       |
| i   | 400X400mm(300X300)                                                                                                                                                                                                                                        |  | 18% | 16 | Nos | 1250 | 20000 | 3600  |
|     |                                                                                                                                                                                                                                                           |  |     |    |     |      |       |       |
| 5.2 | MS Black Damper                                                                                                                                                                                                                                           |  |     |    |     |      |       |       |
| i   | 300X300 mm                                                                                                                                                                                                                                                |  | 18% | 16 | Nos | 350  | 5600  | 1008  |
|     |                                                                                                                                                                                                                                                           |  |     |    |     |      |       |       |
| 6   | HEPA SET POWDER COATED (Factory Fabricated)                                                                                                                                                                                                               |  |     |    |     |      |       |       |
|     | MS POWDER COATED HEPA housing made out in 18Gauge, PAO generation and concentration ports to check the integrity (Leakage) for HEPA filters complete in all respect with SS dom bolts with V.C.D, Operated from Top/Bottom- for following size of filter. |  |     |    |     |      |       |       |
| 6.1 | Hepa Housing With Damper                                                                                                                                                                                                                                  |  |     |    |     |      |       |       |
| i)  | 610X610X450 mm                                                                                                                                                                                                                                            |  | 18% | 19 | Nos | 4250 | 80750 | 14535 |
| ii) | 305X305X450 mm                                                                                                                                                                                                                                            |  | 18% | 4  | Nos | 2650 | 10600 | 1908  |
|     | SITC of H-13 HEPA filter of efficiency 99.97% down to 0.3 micron capacity made out of glass fibre media duly sealed in MS housing of following sizes:                                                                                                     |  |     |    |     |      |       |       |
| 6.2 | Hepa Filter (.3 Micron)                                                                                                                                                                                                                                   |  |     |    |     |      |       |       |
| i)  | 610X610X150 mm                                                                                                                                                                                                                                            |  | 18% | 19 | Nos | 4150 | 78850 | 14193 |
| ii) | 305X305X150 mm                                                                                                                                                                                                                                            |  | 18% | 4  | Nos | 2150 | 8600  | 1548  |
|     |                                                                                                                                                                                                                                                           |  |     |    |     |      |       |       |
| 6.3 | SS 304 Perforated Sheet 18 Gauge                                                                                                                                                                                                                          |  |     |    |     |      |       |       |
| i)  | 730X730 mm                                                                                                                                                                                                                                                |  | 18% | 19 | Nos | 3250 | 61750 | 11115 |
| ii) | 420X420 mm                                                                                                                                                                                                                                                |  | 18% | 4  | Nos | 1650 | 6600  | 1188  |
|     |                                                                                                                                                                                                                                                           |  |     |    |     |      |       |       |
| 7   | RISER SET                                                                                                                                                                                                                                                 |  |     |    |     |      |       |       |
|     | Supply, Installation of 10 Micron Box type riser filter                                                                                                                                                                                                   |  |     |    |     |      |       |       |
| 7.1 | RISER FILTER                                                                                                                                                                                                                                              |  |     |    |     |      |       |       |
| i)  | 390X290X25 mm                                                                                                                                                                                                                                             |  | 18% | 19 | Nos | 550  | 10450 | 1881  |
| ii) | 290X290X25 mm                                                                                                                                                                                                                                             |  | 18% | 4  | Nos | 450  | 1800  | 324   |
|     |                                                                                                                                                                                                                                                           |  |     |    |     |      |       |       |
| 7.2 | RISER DAMPER                                                                                                                                                                                                                                              |  |     |    |     |      |       |       |
|     | SITC of Return riser duct volume control damper made out with Aluminium suitable to be operated from bottom service floor of following sizes                                                                                                              |  |     |    |     |      |       |       |
| i)  | 590 X 70 mm                                                                                                                                                                                                                                               |  | 18% | 19 | Nos | 550  | 10450 | 1881  |
| ii) | 390 X70 mm                                                                                                                                                                                                                                                |  | 18% | 4  | Nos | 450  | 1800  | 324   |

|     |                                                                                                                                                                                                                                                                                                                                                                                               |  |     |    |     |       |       |      |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|----|-----|-------|-------|------|
|     |                                                                                                                                                                                                                                                                                                                                                                                               |  |     |    |     |       |       |      |
| 7.3 | RISER PERFORATED SHEET(Make-CTE)                                                                                                                                                                                                                                                                                                                                                              |  |     |    |     |       |       |      |
|     | SITC of SS- 304 perforated screen in capsule design with 65% perforation area made out of 1.25 mm thick sheet with all around knurling of following sizes for return and riser air:                                                                                                                                                                                                           |  |     |    |     |       |       |      |
| i)  | 500X400 mm                                                                                                                                                                                                                                                                                                                                                                                    |  | 18% | 19 | Nos | 2450  | 46550 | 8379 |
| ii) | 400X400 mm                                                                                                                                                                                                                                                                                                                                                                                    |  | 18% | 4  | Nos | 2150  | 8600  | 1548 |
|     |                                                                                                                                                                                                                                                                                                                                                                                               |  |     |    |     |       |       |      |
|     | NOTE-Quantity of Supply(Hepa filter,Diffuser,SS Grill)& Return( Riser Filter,Diffuser,SS Grill) may be Increase or Decrease .Its actual qty will be finalise after RCP zoning                                                                                                                                                                                                                 |  |     |    |     |       |       |      |
|     |                                                                                                                                                                                                                                                                                                                                                                                               |  |     |    |     |       |       |      |
| 8   | RH&Temperature Controller With sensor (Modle-Subzero)                                                                                                                                                                                                                                                                                                                                         |  | 18% | 6  | Nos | 5500  | 33000 | 5940 |
|     |                                                                                                                                                                                                                                                                                                                                                                                               |  |     |    |     |       |       |      |
| 9   | ELECTRICAL PANEL                                                                                                                                                                                                                                                                                                                                                                              |  |     |    |     |       |       |      |
|     | Electrical panel with RYB Indicators, (suitable capacity of MCB ),Contactors(DOL&Heater,) ,O.L.R For DOL,start/stop push button(D.O.L& VFD),Auto/Manual Selector Switch(V.F.D&D.O.L),ON/OFF Selectore Switch(DX&Heater),On/off trip(D.O.L) ,Indicatore,Temperature controller, Electrical Panel Shall Be Totally enclosed,with Hinged Doors, Gasket .Suitable For Locking Arrangement and VFD |  |     |    |     |       |       |      |
| 9.1 | AHU-GF-02 :-3200CFM SP 150 MMWG (A/L,SYRUP BATCH ROOM,CLEAN EQUIPMENT,WASHING AREA)                                                                                                                                                                                                                                                                                                           |  | 18% | 1  | Nos | 22500 | 22500 | 4050 |
| 9.2 | AHU-GF-03 :-1200CFM SP 150 MMWG ( A/L,CAPSULE BLENDING)                                                                                                                                                                                                                                                                                                                                       |  | 18% | 1  | Nos | 18500 | 18500 | 3330 |
| 9.3 | AHU-GF-04 :-1000CFM SP 150 MMWG ( A/L,SYRUP BOTTLE WASHING)                                                                                                                                                                                                                                                                                                                                   |  | 18% | 1  | Nos | 18500 | 18500 | 3330 |
| 9.4 | AHU-GF-05 :-2000CFM SP 150 MMWG ( A/L,CAPSULE FILLING)                                                                                                                                                                                                                                                                                                                                        |  | 18% | 1  | Nos | 18500 | 18500 | 3330 |
| 9.5 | AHU-GF-05 :-1200CFM SP 150 MMWG ( A/L,SYRUP BOTTLE FILLING AND SEALING)                                                                                                                                                                                                                                                                                                                       |  | 18% | 1  | Nos | 18500 | 18500 | 3330 |
|     | UNCLASSIFIED AREA                                                                                                                                                                                                                                                                                                                                                                             |  |     |    |     |       |       |      |

|      |                                                                                                                |  |     |    |     |       |       |         |
|------|----------------------------------------------------------------------------------------------------------------|--|-----|----|-----|-------|-------|---------|
| 9.6  | AHU-GF-01 :-1600 CFM SP 125 MMWG (MALE CHANGE ROOM,FEMALE CHANGE ROOM,SUGAR STORE,CHANGE PARTS ROOM,DECORTING) |  | 18% | 1  | Nos | 18500 | 18500 | 3330    |
| 10   | Electrical Power Cabeling                                                                                      |  |     |    |     |       |       |         |
|      | Supply, Installation, Commissioning of Electrical Cable with thimble, MAKE:- POLYCAB                           |  |     |    |     |       |       |         |
| 10.1 | CONDENSING UNIT (Out Door Unit ) Power Cable With Tray                                                         |  |     |    |     |       |       |         |
| i    | (2.5 mm 4 Core Flexible Cable) For 3TR Outer Door Unit                                                         |  | 18% | 45 | RMT | 199   | 8955  | 1611.9  |
| ii   | (4 mm 4 Core Flexible Cable) For 5.5TR Outer Door Unit                                                         |  | 18% | 30 | RMT | 302   | 9060  | 1630.8  |
| iii  | (6 mm 4 Core Flexible Cable) For 8.5TR Outer Door Unit                                                         |  | 18% | 15 | RMT | 440   | 6600  | 1188    |
|      |                                                                                                                |  |     |    |     |       |       |         |
| 10.2 | Out Door Unit Control Cable                                                                                    |  |     |    |     |       |       |         |
| i    | (1 mm 2 Core Flexible Cable                                                                                    |  | 18% | 90 | RMT | 50.8  | 4572  | 822.96  |
|      |                                                                                                                |  |     |    |     |       |       |         |
| 10.3 | Power Cable For HEATER                                                                                         |  |     |    |     |       |       |         |
| i    | (1.5 mm 4 Core Flexible Cable) For 1 KW Heater                                                                 |  | 18% | 60 | RMT | 124   | 7440  | 1339.2  |
| ii   | (1.5 mm 4 Core Flexible Cable) For 1.5 KW Heater                                                               |  | 18% | 15 | RMT | 124   | 1860  | 334.8   |
| iii  | (2.5 mm 4 Core Flexible Cable) For 2 KW Heater                                                                 |  | 18% | 15 | RMT | 199   | 2985  | 537.3   |
|      |                                                                                                                |  |     |    |     |       |       |         |
| 10.4 | RH & Temp Controller                                                                                           |  |     |    |     |       |       |         |
| i    | (1 mm 3 Core Flexible Cable) For RH & Temp                                                                     |  | 18% | 90 | RMT | 69    | 6170  | 1110.51 |
|      |                                                                                                                |  |     |    |     |       | 0     |         |
| 10.5 | Limit Switch And Marine Light                                                                                  |  |     |    |     |       | 0     |         |
| i    | (1 mm 3 Core Flexible Cable) For Limit Switch And Marine Light                                                 |  | 18% | 90 | RMT | 69    | 6210  | 1117.8  |
|      |                                                                                                                |  |     |    |     |       |       |         |

|      |                                                                                                                                                                     |  |     |    |     |              |                |                  |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|----|-----|--------------|----------------|------------------|
| 10.6 | MOTOR 3 Phase (D.O.L)                                                                                                                                               |  |     |    |     |              |                |                  |
| i)   | (1.5 mm 4 Core Flexible Cable) For Motor 2 HP                                                                                                                       |  | 18% | 30 | RMT | 124          | 3720           | 669.6            |
| ii)  | (1.5 mm 4 Core Flexible Cable) For Motor 3 HP                                                                                                                       |  | 18% | 15 | RMT | 124          | 1860           | 334.8            |
| iii) | (2.5 mm 4 Core Flexible Cable) For Motor 5 HP                                                                                                                       |  | 18% | 15 | RMT | 199          | 2985           | 537.3            |
| iv)  | (2.5 mm 4 Core Flexible Cable) For Motor 7.5 HP                                                                                                                     |  | 18% | 30 | RMT | 199          | 5970           | 1074.6           |
|      |                                                                                                                                                                     |  |     |    |     |              |                |                  |
| 11   | Electrical Power Cable Tray                                                                                                                                         |  |     |    |     |              |                |                  |
|      | Supply, Installation, Commissioning of Electrical Cable tray,                                                                                                       |  |     |    |     |              |                |                  |
| e)   | Tray-GI(22 SWG)                                                                                                                                                     |  | 18% | 90 | RMT | 450          | 40500          | 7290             |
|      |                                                                                                                                                                     |  |     |    |     |              |                |                  |
| 12   | VFD                                                                                                                                                                 |  |     |    |     |              |                |                  |
|      | Supply, Installation testing and commissioning of VFD for AHU motors. Make-Delta                                                                                    |  |     |    |     |              |                |                  |
| i    | KW:- 1.5 HP :- 2                                                                                                                                                    |  | 18% | 3  | Nos | 12800        | 38400          | 6912             |
| ii   | KW:- 2.2 HP :- 3                                                                                                                                                    |  | 18% | 2  | Nos | 14971        | 29942          | 5389.56          |
| iii  | KW:- 5.5 HP :- 7.5                                                                                                                                                  |  | 18% | 1  | Nos | 23467        | 23467          | 4224.06          |
|      | Note: (VFD suitable capacity of MCB & start/stop push button, on/off/ indicators port auto/manual selector switch arrangement)                                      |  |     |    |     |              |                |                  |
|      |                                                                                                                                                                     |  |     |    |     |              |                |                  |
| 13   | DOCUMENTATION & COMMISSIONING WITH VALIDATION CHARGES                                                                                                               |  |     |    |     |              |                |                  |
|      | DQ, IQ, OQ with all Drawing & test certificate & complete vali                                                                                                      |  | 18% | 6  | Nos | 10000        | 60000          | 10800            |
|      | Considering following point in validation - PARTIAL COUNT(One time), DIFFERENTIAL PRESSURE , ACPH, VELOCITY(Note- Validation will be done only for classified area) |  |     |    |     |              |                |                  |
|      |                                                                                                                                                                     |  |     |    |     |              |                |                  |
| 14   | MAGNEHALIC GAUGE+ SS BOX(Make- Omicron)                                                                                                                             |  |     |    |     |              |                |                  |
|      | 0-60PA                                                                                                                                                              |  | 18% | 11 | Nos | 5525         | 60775          | 10939.5          |
|      |                                                                                                                                                                     |  |     |    |     | <b>TOTAL</b> | <b>3260546</b> | <b>667838.19</b> |

| FIRST FLOOR |                                                                                                                   |          |     |      |      |           |        |         |
|-------------|-------------------------------------------------------------------------------------------------------------------|----------|-----|------|------|-----------|--------|---------|
| S.No.       | Description                                                                                                       | HSN CODE | GST | Qty. | Unit | Unit Rate | Amount | GST Amt |
|             | <b>CLASSIFIED AREA</b>                                                                                            |          |     |      |      |           |        |         |
| 1.2.1       | AHU-FF-03 :-3000CFM SP 125 MMWG (A/L,GRANULATION-1,WASHING AREA,PASTE ROOM)                                       |          | 28% | 1    | Nos  | 125000    | 125000 | 35000   |
| 1.2.2       | AHU-FF-04 :-2000 CFM SP 125 MMWG (A/L,GRANULATION-2,WASHING AREA,PASTE ROOM)                                      |          | 28% | 1    | Nos  | 80000     | 80000  | 22400   |
| 1.2.3       | AHU-FF-05 :-800CFM SP 125 MMWG ( A/L,COMPRESSION-3)                                                               |          | 28% | 1    | Nos  | 60000     | 60000  | 16800   |
| 1.2.4       | AHU-FF-06 :-800 CFM SP 125 MMWG ( A/L,COMPRESSION-2)                                                              |          | 28% | 1    | Nos  | 60000     | 60000  | 16800   |
| 1.2.5       | AHU-FF-07 :-1000CFM SP 125 MMWG ( A/L,COMPRESSION-1)                                                              |          | 28% | 1    | Nos  | 60000     | 60000  | 16800   |
| 1.2.6       | AHU-FF-08 :-800 CFM SP 125 MMWG ( A/L,COATING PAN)                                                                |          | 28% | 1    | Nos  | 60000     | 60000  | 16800   |
| 1.2.7       | AHU-FF-09 :-1000 CFM SP 125 MMWG (A/L,AUTO COATER,)                                                               |          | 28% | 1    | Nos  | 60000     | 60000  | 16800   |
| 1.2.8       | AHU-FF-10 :-800 CFM SP 125 MMWG (A/L, ALU-ALU)                                                                    |          | 28% | 1    | Nos  | 60000     | 60000  | 16800   |
| 1.2.9       | AHU-FF-11 :-800 CFM SP 125 MMWG (A/L, BLISTER))                                                                   |          | 28% | 1    | Nos  | 60000     | 60000  | 16800   |
| 1.2.10      | AHU-FF-12 :-800 CFM SP 125 MMWG (A/L, STRIP PACKING)                                                              |          | 28% | 1    | Nos  | 60000     | 60000  | 16800   |
|             | <b>UNCLASSIFIED AREA</b>                                                                                          |          |     |      |      |           |        |         |
| 1.2.11      | AHU-FF-01 :-2400 CFM SP 85 MMWG (GRANULE HOLD,IPQC,CHANGE PARTS ROOM,COMP. HOLD,WASHING AREA,PASSAGE-3,PASSAGE-4) |          | 28% | 1    | Nos  | 85000     | 85000  | 23800   |
| 1.2.12      | AHU-FF-02 :-3200CFM SP 85 MMWG (PRINTING ROOM,INSPECTION,CHANGE PARTS ROOM,COATING. HOLD,PASSAGE-1)               |          | 28% | 1    | Nos  | 125000    | 125000 | 35000   |
|             |                                                                                                                   |          |     |      |      |           |        |         |
| 2           | <b>CONDENSING UNIT</b>                                                                                            |          |     |      |      |           |        |         |
|             | Supply , installtion and commisioning of Condensing unit and Accessories                                          |          |     |      |      |           |        |         |

|     |                                                            |  |     |     |     |       |        |       |
|-----|------------------------------------------------------------|--|-----|-----|-----|-------|--------|-------|
| 2.1 | CONDENSING UNIT 8.5 TR (VOLTAS)                            |  | 28% | 2   | Nos | 97000 | 194000 | 54320 |
| a)  | Distributors(MAKE-COOL TECH)                               |  | 18% | 2   | Nos | 0     | 0      |       |
| b)  | Expansion Valve(MAKE-DANFOSS)                              |  | 18% | 2   | Nos | 4800  | 9600   | 1728  |
| c)  | Copper Piping with Insulation for suction line- 1 1/8 Inch |  | 18% | 30  | RMT | 1450  | 43500  | 7830  |
| d)  | Copper Piping for discharge line- 5/8 Inch                 |  | 18% | 30  | RMT | 725   | 21750  | 3915  |
| e)  | Tray-GI(22 SWG)                                            |  | 18% | 2   | RMT | 450   | 900    | 162   |
| f)  | Condensing Unit Stand                                      |  | 18% | 2   | Nos | 2500  | 5000   | 900   |
| g)  | Dryer                                                      |  | 18% | 2   | Nos | 950   | 1900   | 342   |
| h)  | Handsetup valve                                            |  | 18% | 4   | Nos | 450   | 1800   | 324   |
| i)  | Installation Charges                                       |  |     |     |     |       |        |       |
|     | CONDENSING UNIT 8.5 TR                                     |  | 18% | 2   | Nos | 8500  | 17000  | 3060  |
|     |                                                            |  |     |     |     |       |        |       |
| 2.3 | CONDENSING UNIT 5.5 TR (VOLTAS)                            |  | 28% | 2   | Nos | 64000 | 128000 | 35840 |
| a)  | Distributors(MAKE-COOL TECH)                               |  | 28% | 2   | Nos | 0     | 0      |       |
| b)  | Expansion Valve(MAKE-DANFOSS)                              |  | 18% | 2   | Nos | 3250  | 6500   | 1170  |
| c)  | Copper Piping with Insulation for suction line- 7/8 Inch   |  | 18% | 30  | RMT | 1250  | 37500  | 6750  |
| d)  | Copper Piping for discharge line-1/2 Inch                  |  | 18% | 30  | RMT | 650   | 19500  | 3510  |
| e)  | Tray-GI(22 SWG)                                            |  | 18% | 30  | RMT | 450   | 13500  | 2430  |
| f)  | Condensing Unit Stand                                      |  | 18% | 2   | Nos | 2200  | 4400   | 792   |
| g)  | Dryer                                                      |  | 18% | 2   | Nos | 850   | 1700   | 306   |
| h)  | Handsetup valve                                            |  | 18% | 4   | Nos | 450   | 1800   | 324   |
| i)  | Installation Charges                                       |  |     |     |     |       |        |       |
|     | CONDENSING UNIT 5.5 TR                                     |  | 18% | 4   | Nos | 5500  | 22000  | 3960  |
|     |                                                            |  |     |     |     |       |        |       |
| 2.4 | CONDENSING UNIT 3 TR (VOLTAS)                              |  | 28% | 8   | Nos | 37800 | 302400 | 84672 |
| a)  | Distributors(MAKE-COOL TECH)                               |  | 28% | 8   | Nos | 0     | 0      |       |
| b)  | Expansion Valve(MAKE-DANFOSS)                              |  | 18% | 8   | Nos | 2850  | 22800  | 4104  |
| c)  | Copper Piping with Insulation for suction line- 5/8 Inch   |  | 18% | 120 | RMT | 850   | 102000 | 18360 |
| d)  | Copper Piping with Insulation for discharge line- 3/8 Inch |  | 18% | 120 | RMT | 550   | 66000  | 11880 |
| e)  | Tray-GI(22 SWG)                                            |  | 18% | 120 | RMT | 450   | 54000  | 9720  |
| f)  | Condensing Unit Stand                                      |  | 18% | 8   | Nos | 2000  | 16000  | 2880  |
| g)  | Dryer                                                      |  | 18% | 8   | Nos | 850   | 6800   | 1224  |

|     |                                                                                                                                                                                                                                                                                                                     |  |     |      |        |      |         |        |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|------|--------|------|---------|--------|
| h)  | Handsetup valve                                                                                                                                                                                                                                                                                                     |  | 18% | 16   | Nos    | 350  | 5600    | 1008   |
| i)  | Installation Charges                                                                                                                                                                                                                                                                                                |  |     |      |        |      |         |        |
|     | CONDENSING UNIT 3 TR                                                                                                                                                                                                                                                                                                |  | 18% | 8    | Nos    | 3000 | 24000   | 4320   |
|     |                                                                                                                                                                                                                                                                                                                     |  |     |      |        |      |         |        |
| 3   | DUCTING                                                                                                                                                                                                                                                                                                             |  |     |      |        |      |         |        |
|     | Factory / Site Fabricated GI ducting as per IS Standard with RTV sealant & 3 mm thkWith MS angle and Rubber gasket strips complete with supporting hangers, reavets, nut- bolts , threaded rod, fasteners etc.Fabrication of ducts shall be through Lock forming machines.Make :TATA/ JINDAL                        |  |     |      |        |      |         |        |
| 3.1 | 24 Guage Ducting                                                                                                                                                                                                                                                                                                    |  | 18% | 1500 | Sq Mtr | 1050 | 1575000 | 283500 |
| 3.2 | 22 Guage Ducting                                                                                                                                                                                                                                                                                                    |  | 18% | 100  | Sq Mtr | 1340 | 134000  | 24120  |
|     |                                                                                                                                                                                                                                                                                                                     |  |     |      |        |      |         |        |
| 4   | INSULATION                                                                                                                                                                                                                                                                                                          |  |     |      |        |      |         |        |
|     | Supplying , installation, testing & commissioning of external thermal insulation on DUCTS with Closed Cell Cross Linked Polythylene (XLPE) Foam of density 25±3 Kg/m³ & thermal Conducty not exceding 0.035 W/mK at an average Temperature of 40°C. The Material will be rated as Class 1, Make :AEROFOAM/PARAMOUNT |  |     |      |        |      |         |        |
| 4.1 | 12 MM THICK                                                                                                                                                                                                                                                                                                         |  | 18% | 1600 | Sq Mtr | 590  | 944000  | 169920 |
| 4.2 | 6 MM THICK                                                                                                                                                                                                                                                                                                          |  | 18% | 60   | Sq Mtr | 410  | 24600   | 4428   |
|     |                                                                                                                                                                                                                                                                                                                     |  |     |      |        |      |         |        |
| 5   | SS PERFORATED GRILL WITH MS BLACK DAMPER (factory fabricated)                                                                                                                                                                                                                                                       |  |     |      |        |      |         |        |
|     |                                                                                                                                                                                                                                                                                                                     |  |     |      |        |      |         |        |
| 5.1 | SS-304 GRILL                                                                                                                                                                                                                                                                                                        |  |     |      |        |      |         |        |
| i   | 400X400mm(300X300)                                                                                                                                                                                                                                                                                                  |  | 18% | 38   | Nos    | 1250 | 47500   | 8550   |
|     |                                                                                                                                                                                                                                                                                                                     |  |     |      |        |      |         |        |
| 5.2 | MS Black Damper                                                                                                                                                                                                                                                                                                     |  |     |      |        |      |         |        |
| i   | 300X300 mm                                                                                                                                                                                                                                                                                                          |  | 18% | 38   | Nos    | 350  | 13300   | 2394   |
|     |                                                                                                                                                                                                                                                                                                                     |  |     |      |        |      |         |        |
| 6   | HEPA SET POWDER COATED (Factory Fabricated)                                                                                                                                                                                                                                                                         |  |     |      |        |      |         |        |
|     | MS POWDER COATED HEPA housing made out in 18Gauge, PAO generation and concentration ports to check the integrity (Leakage) for HEPA filters complete in all respect with SS dom bolts with V.C.D, Operated from Top/Bottom- for following size of filter.                                                           |  |     |      |        |      |         |        |
| 6.1 | Hepa Housing With Damper                                                                                                                                                                                                                                                                                            |  |     |      |        |      |         |        |
| i)  | 610X610X450 mm                                                                                                                                                                                                                                                                                                      |  | 18% | 17   | Nos    | 4250 | 72250   | 13005  |
| ii) | 305X305X450 mm                                                                                                                                                                                                                                                                                                      |  | 18% | 19   | Nos    | 2650 | 50350   | 9063   |
|     | SITC of H-13 HEPA filter of efficiency 99.97% down to 0.3 micron capacity made out of glass fibre media duly sealed in MS housing of following sizes:                                                                                                                                                               |  |     |      |        |      |         |        |
| 6.2 | Hepa Filter (.3 Micron)                                                                                                                                                                                                                                                                                             |  |     |      |        |      |         |        |

|     |                                                                                                                                                                                                                                                                                                                                                                                                                  |  |     |    |     |      |       |       |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|----|-----|------|-------|-------|
| i)  | 610X610X150 mm                                                                                                                                                                                                                                                                                                                                                                                                   |  | 18% | 17 | Nos | 4150 | 70550 | 12699 |
| ii) | 305X305X150 mm                                                                                                                                                                                                                                                                                                                                                                                                   |  | 18% | 19 | Nos | 2150 | 40850 | 7353  |
| 6.3 | SS 304 Perforated Sheet 18 Gauge                                                                                                                                                                                                                                                                                                                                                                                 |  |     |    |     |      |       |       |
| i)  | 730X730 mm                                                                                                                                                                                                                                                                                                                                                                                                       |  | 18% | 17 | Nos | 3250 | 55250 | 9945  |
| ii) | 420X420 mm                                                                                                                                                                                                                                                                                                                                                                                                       |  | 18% | 19 | Nos | 1650 | 31350 | 5643  |
| 7   | RISER SET                                                                                                                                                                                                                                                                                                                                                                                                        |  |     |    |     |      |       |       |
|     | Supply, Installation of 10 Micron Box type riser filter                                                                                                                                                                                                                                                                                                                                                          |  |     |    |     |      |       |       |
| 7.1 | RISER FILTER                                                                                                                                                                                                                                                                                                                                                                                                     |  |     |    |     |      |       |       |
| i)  | 390X290X25 mm                                                                                                                                                                                                                                                                                                                                                                                                    |  | 18% | 17 | Nos | 550  | 9350  | 1683  |
| ii) | 290X290X25 mm                                                                                                                                                                                                                                                                                                                                                                                                    |  | 18% | 19 | Nos | 450  | 8550  | 1539  |
| 7.2 | RISER DAMPER                                                                                                                                                                                                                                                                                                                                                                                                     |  |     |    |     |      |       |       |
|     | SITC of Return riser duct volume control damper made out with Aluminium suitable to be operated from bottom service floor of following sizes                                                                                                                                                                                                                                                                     |  |     |    |     |      |       |       |
| i)  | 590 X 70 mm                                                                                                                                                                                                                                                                                                                                                                                                      |  | 18% | 17 | Nos | 550  | 9350  | 1683  |
| ii) | 390 X70 mm                                                                                                                                                                                                                                                                                                                                                                                                       |  | 18% | 19 | Nos | 450  | 8550  | 1539  |
| 7.3 | RISER PERFORATED SHEET(Make-CTE)                                                                                                                                                                                                                                                                                                                                                                                 |  |     |    |     |      |       |       |
|     | SITC of SS- 304 perforated screen in capsule design with 65% perforation area made out of 1.25 mm thick sheet with all around knurling of following sizes for return and riser air:                                                                                                                                                                                                                              |  |     |    |     |      |       |       |
| i)  | 500X400 mm                                                                                                                                                                                                                                                                                                                                                                                                       |  | 18% | 17 | Nos | 2450 | 41650 | 7497  |
| ii) | 400X400 mm                                                                                                                                                                                                                                                                                                                                                                                                       |  | 18% | 19 | Nos | 2150 | 40850 | 7353  |
| 8   | RH&Temperature Controller With sensor (Modle-Subzero)                                                                                                                                                                                                                                                                                                                                                            |  | 18% | 12 | Nos | 5500 | 66000 | 11880 |
| 9   | ELECTRICAL PANEL                                                                                                                                                                                                                                                                                                                                                                                                 |  |     |    |     |      |       |       |
|     | Electrical panel with RYB Indicators, (suitable capacity of MCB ),Contactors(DOL&Heater,) ,O.L.R For DOL,start/stop push button(D.O.L& VFD),Auto/Manual Selector Switch(V.F.D&D.O.L),ON/OFF Selectore Switch(DX&Heater),On/off trip(D.O.L) ,Indicatore,Tempreature controller, Electrical Panel Shall Be Totally enclosed,with Hinged Doors, Gasket .Suitable For Locking Arrangement and VFD Port. arrangement. |  |     |    |     |      |       |       |
|     | CLASSIFIED AREA                                                                                                                                                                                                                                                                                                                                                                                                  |  |     |    |     |      |       |       |

|        |                                                                                                                   |  |     |   |     |       |       |      |
|--------|-------------------------------------------------------------------------------------------------------------------|--|-----|---|-----|-------|-------|------|
| 1.2.1  | AHU-FF-03 :-3000CFM SP 125 MMWG (A/L,GRANULATION-1,WASHING AREA,PASTE ROOM)                                       |  | 18% | 1 | Nos | 22500 | 22500 | 4050 |
| 1.2.2  | AHU-FF-04 :-2000 CFM SP 125 MMWG (A/L,GRANULATION-2,WASHING AREA,PASTE ROOM)                                      |  | 18% | 1 | Nos | 22500 | 22500 | 4050 |
| 1.2.3  | AHU-FF-05 :-800CFM SP 150 MMWG (A/L,COMPRESSION-3)                                                                |  | 18% | 1 | Nos | 18500 | 18500 | 3330 |
| 1.2.4  | AHU-FF-06 :-800 CFM SP 150 MMWG (A/L,COMPRESSION-2)                                                               |  | 18% | 1 | Nos | 18500 | 18500 | 3330 |
| 1.2.5  | AHU-FF-07 :-1000CFM SP 150 MMWG (A/L,COMPRESSION-1)                                                               |  | 18% | 1 | Nos | 18500 | 18500 | 3330 |
| 1.2.6  | AHU-FF-08 :-800 CFM SP 150 MMWG (A/L,COATING PAN)                                                                 |  | 18% | 1 | Nos | 18500 | 18500 | 3330 |
| 1.2.7  | AHU-FF-09 :-1000 CFM SP 150 MMWG (A/L,AUTO COATER,)                                                               |  | 18% | 1 | Nos | 18500 | 18500 | 3330 |
| 1.2.8  | AHU-FF-10 :-800 CFM SP 150 MMWG (A/L, ALU-ALU)                                                                    |  | 18% | 1 | Nos | 18500 | 18500 | 3330 |
| 1.2.9  | AHU-FF-11 :-800 CFM SP 150 MMWG (A/L, BLISTER))                                                                   |  | 18% | 1 | Nos | 18500 | 18500 | 3330 |
| 1.2.10 | AHU-FF-12 :-800 CFM SP 150 MMWG (A/L, STRIP PACKING)                                                              |  | 18% | 1 | Nos | 18500 | 18500 | 3330 |
|        | UNCLASSIFIED AREA                                                                                                 |  |     |   |     |       |       |      |
| 1.2.11 | AHU-FF-01 :-2400 CFM SP 85 MMWG (GRANULE HOLD,IPQC,CHANGE PARTS ROOM,COMP. HOLD,WASHING AREA,PASSAGE-3,PASSAGE-4) |  | 18% | 1 | Nos | 22500 | 22500 | 4050 |
| 1.2.12 | AHU-FF-02 :-3200CFM SP 85 MMWG (PRINTING ROOM,INSPECTION,CHANGE PARTS ROOM,COATING. HOLD,PASSAGE-1)               |  | 18% | 1 | Nos | 22500 | 22500 | 4050 |
|        |                                                                                                                   |  |     |   |     |       |       |      |
| 10     | Electrical Power Cabeling                                                                                         |  |     |   |     |       |       |      |
|        | Supply, Installation, Commissioning of Electrical Cable with thimble, MAKE:- POLYCAB                              |  |     |   |     |       |       |      |
| 10.1   | CONDENSING UNIT (Out Door Unit ) Power Cable With Tray                                                            |  |     |   |     |       |       |      |

|      |                                                                |  |     |     |     |      |       |         |
|------|----------------------------------------------------------------|--|-----|-----|-----|------|-------|---------|
| i    | (2.5 mm 4 Core Flexible Cable) For 2TR Outer Door Unit         |  | 18% | 90  | RMT | 199  | 17910 | 3223.8  |
| i    | (2.5 mm 4 Core Flexible Cable) For 3TR Outer Door Unit         |  | 18% | 30  | RMT | 199  | 5970  | 1074.6  |
| ii   | (4 mm 4 Core Flexible Cable) For 5.5TR Outer Door Unit         |  | 18% | 30  | RMT | 302  | 9060  | 1630.8  |
| iii  | (6 mm 4 Core Flexible Cable) For 8.5TR Outer Door Unit         |  | 18% | 30  | RMT | 440  | 13200 | 2376    |
|      |                                                                |  |     |     |     |      |       |         |
| 10.2 | Out Door Unit Control Cable                                    |  |     |     |     |      |       |         |
| i    | (1 mm 2 Core Flexible Cable)                                   |  | 18% | 180 | RMT | 50.8 | 9144  | 1645.92 |
|      |                                                                |  |     |     |     |      |       |         |
| 10.3 | Power Cable For HEATER                                         |  |     |     |     |      |       |         |
| i    | (1.5 mm 4 Core Flexible Cable) For 1 KW Heater                 |  | 18% | 120 | RMT | 124  | 14880 | 2678.4  |
| ii   | (1.5 mm 4 Core Flexible Cable) For 1.5 KW Heater               |  | 18% | 30  | RMT | 124  | 3720  | 669.6   |
| iii  | (2.5 mm 4 Core Flexible Cable) For 2 KW Heater                 |  | 18% | 30  | RMT | 199  | 5970  | 1074.6  |
|      |                                                                |  |     |     |     |      |       |         |
| 10.4 | RH & Temp Controller                                           |  |     |     |     |      |       |         |
| i    | (1 mm 3 Core Flexible Cable) For RH & Temp                     |  | 18% | 180 | RMT | 69   | 12420 | 2235.6  |
|      |                                                                |  |     |     |     |      |       |         |
| 10.5 | Limit Switch And Marine Light                                  |  |     |     |     |      |       |         |
| i    | (1 mm 3 Core Flexible Cable) For Limit Switch And Marine Light |  | 18% | 180 | RMT | 69   | 12420 | 2235.6  |
|      |                                                                |  |     |     |     |      |       |         |
| 10.6 | MOTOR 3 Phase (D.O.L)                                          |  |     |     |     |      |       |         |
| i)   | (1.5 mm 4 Core Flexible Cable) For Motor 1.5 HP                |  | 18% | 90  | RMT | 124  | 11160 | 2008.8  |
| ii)  | (1.5 mm 4 Core Flexible Cable) For Motor 2 HP                  |  | 18% | 30  | RMT | 124  | 3720  | 669.6   |
| iii) | (1.5 mm 4 Core Flexible Cable) For Motor 3 HP                  |  | 18% | 15  | RMT | 124  | 1860  | 334.8   |
| iv)  | (2.5 mm 4 Core Flexible Cable) For Motor 5 HP                  |  | 18% | 15  | RMT | 199  | 2985  | 537.3   |
| v)   | (2.5 mm 4 Core Flexible Cable) For Motor 7.5 HP                |  | 18% | 30  | RMT | 199  | 5970  | 1074.6  |

|     |                                                                                                                                                                   |  |     |     |     |              |                |                   |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|-----|-----|--------------|----------------|-------------------|
| 11  | Electrical Power Cable Tray                                                                                                                                       |  |     |     |     |              |                |                   |
|     | Supply, Installation, Commissioning of Electrical Cable tray,                                                                                                     |  |     |     |     |              |                |                   |
| i)  | Tray-GI(22 SWG)                                                                                                                                                   |  | 18% | 180 | RMT | 450          | 81000          | 14580             |
| 12  | VFD                                                                                                                                                               |  |     |     |     |              |                |                   |
|     | Supply, Installation testing and commissioning of VFD for AHU motors. Make-Delta                                                                                  |  |     |     |     |              |                |                   |
| i   | KW:- 1.1 HP :- 1.5                                                                                                                                                |  | 18% | 6   | Nos | 12800        | 76800          | 13824             |
| i   | KW:- 1.5 HP :- 2                                                                                                                                                  |  | 18% | 2   | Nos | 12800        | 25600          | 4608              |
| ii  | KW:- 2.2 HP :- 3                                                                                                                                                  |  | 18% | 1   | Nos | 14971        | 14971          | 2694.78           |
| ii  | KW:- 3.7 HP :- 5                                                                                                                                                  |  | 18% | 1   | Nos | 17815        | 17815          | 3206.7            |
| iii | KW:- 5.5 HP :- 7.5                                                                                                                                                |  | 18% | 2   | Nos | 23467        | 46934          | 8448.12           |
|     | Note: (VFD suitable capacity of MCB & start/stop push button,on/off/ indicators port auto/manual selecter switch arengement                                       |  |     |     |     |              |                |                   |
| 13  | DOCUMENTATION & COMMISSIOING WITH VALIDATION CHARGES                                                                                                              |  |     |     |     |              |                |                   |
|     | DQ,IQ,OQ with all Drawing&test certificate & complete validation charges                                                                                          |  | 18% | 12  | Nos | 10000        | 120000         | 21600             |
|     | Considering following point in validation -PARTICAL COUNT(One time), DIFFERENTIAL PRESSURE ,ACPH,VELOCITY(Note- Validation will be done only for classified area) |  |     |     |     |              |                |                   |
| 14  | MAGNEHALIC GAUGE+ SS BOX(Make- Omicron)                                                                                                                           |  |     |     |     |              |                |                   |
|     | 0-60PA                                                                                                                                                            |  | 18% | 22  | Nos | 5525         | 121550         | 21879             |
|     |                                                                                                                                                                   |  |     |     |     | <b>TOTAL</b> | <b>6141309</b> | <b>1257375.62</b> |

| SECOND FLOOR |                                                                                      |          |     |      |      |           |        |         |
|--------------|--------------------------------------------------------------------------------------|----------|-----|------|------|-----------|--------|---------|
| S.No.        | Description                                                                          | HSN CODE | GST | Qty. | Unit | Unit Rate | Amount | GST Amt |
|              | CLASSIFIED AREA                                                                      |          |     |      |      |           |        |         |
| 1.2.1        | AHU-SF-01 :-600CFM SP 125 MMWG (A/L,DISPENSING)                                      |          | 28% | 1    | Nos  | 60000     | 60000  | 16800   |
| 1.2.1        | AHU-SF-02 :-600CFM SP 125 MMWG (A/L,SAMPLING)                                        |          | 28% | 1    | Nos  | 60000     | 60000  | 16800   |
| 1.2.2        | AHU-GF-03 :-700 CFM SP 125 MMWG (A/L,INCUBATION,MEDIA DISCARD,MEDIA PREP.,MICRO LAB) |          | 28% | 1    | Nos  | 60000     | 60000  | 16800   |

|       |                                                                                                                                                               |  |     |    |     |        |        |        |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|----|-----|--------|--------|--------|
|       | UNCLASSIFIED AREA                                                                                                                                             |  |     |    |     |        |        |        |
| 1.2.6 | AHU-SF-04 :-3000 CFM SP 85 MMWG (LAB CHANGE ROOM, QC MANAGER, INSTRUMENTAL LAB, CHEMICAL LAB, WASHING HOT ZONE, CHEMICAL STORE, CONTROL SAMPLING, PASSAGE-05) |  | 28% | 1  | Nos | 125000 | 125000 | 35000  |
| 1.2.6 | DUCTABLE AC :-5.5 TR (RM APPROVED, RM UNDER TEST, RM QUARANTINE) (Voltas )                                                                                    |  | 28% | 1  | Nos | 86000  | 86000  | 24080  |
| 2     | CONDENSING UNIT                                                                                                                                               |  |     |    |     |        |        |        |
|       | Supply , installtion and commisioning of Condensing unit and Accessories                                                                                      |  |     |    |     |        |        |        |
| 2.1   | CONDENSING UNIT 8.5 TR (VOLTAS)                                                                                                                               |  | 28% | 1  | Nos | 97000  | 97000  | 27160  |
| a)    | Distributors(MAKE-COOL TECH)                                                                                                                                  |  | 18% | 1  | Nos | 0      | 0      | 0      |
| b)    | Expansion Valve(MAKE-DANFOSS)                                                                                                                                 |  | 18% | 1  | Nos | 4800   | 4800   | 864    |
| c)    | Copper Piping with Insulation for suctin line- <sup>11</sup> / <sub>8</sub> Inch                                                                              |  | 18% | 15 | RMT | 1450   | 21750  | 3915   |
| d)    | Copper Piping for discharge line- <sup>5</sup> / <sub>8</sub> Inch                                                                                            |  | 18% | 15 | RMT | 725    | 10875  | 1957.5 |
| e)    | Tray-GI(22 SWG)                                                                                                                                               |  | 18% | 1  | RMT | 450    | 450    | 81     |
| f)    | Condensing Unit Stand                                                                                                                                         |  | 18% | 1  | Nos | 2500   | 2500   | 450    |
| g)    | Dryer                                                                                                                                                         |  | 18% | 1  | Nos | 950    | 950    | 171    |
| h)    | Handsetup valve                                                                                                                                               |  | 18% | 2  | Nos | 450    | 900    | 162    |
| i)    | Installation Charges                                                                                                                                          |  |     |    |     |        |        |        |
|       | CONDENSING UNIT 8.5 TR                                                                                                                                        |  | 18% | 1  | Nos | 8500   | 8500   | 1530   |
| 2.3   | CONDENSING UNIT 5.5 TR (VOLTAS)                                                                                                                               |  | 28% | 1  | Nos | 64000  | 64000  | 17920  |
| a)    | Distributors(MAKE-COOL TECH)                                                                                                                                  |  | 28% | 1  | Nos | 0      | 0      | 0      |
| b)    | Expansion Valve(MAKE-DANFOSS)                                                                                                                                 |  | 18% | 1  | Nos | 3250   | 3250   | 585    |
| c)    | Copper Piping with Insulation for suctin line- <sup>7</sup> / <sub>8</sub> Inch                                                                               |  | 18% | 15 | RMT | 1250   | 18750  | 3375   |
| d)    | Copper Piping for discharge line-1/2 Inch                                                                                                                     |  | 18% | 15 | RMT | 650    | 9750   | 1755   |
| e)    | Tray-GI(22 SWG)                                                                                                                                               |  | 18% | 15 | RMT | 450    | 6750   | 1215   |
| f)    | Condensing Unit Stand                                                                                                                                         |  | 18% | 1  | Nos | 2200   | 2200   | 396    |
| g)    | Dryer                                                                                                                                                         |  | 18% | 1  | Nos | 850    | 850    | 153    |
| h)    | Handsetup valve                                                                                                                                               |  | 18% | 2  | Nos | 450    | 900    | 162    |

|     |                                                                                                                                                                                                                                                                                                                          |  |     |     |        |       |        |       |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|-----|--------|-------|--------|-------|
| i)  | Installation Charges                                                                                                                                                                                                                                                                                                     |  |     |     |        |       |        |       |
|     | CONDENSING UNIT 5.5 TR                                                                                                                                                                                                                                                                                                   |  | 18% | 1   | Nos    | 5500  | 5500   | 990   |
| 2.4 | CONDENSING UNIT 3 TR (VOLTAS)                                                                                                                                                                                                                                                                                            |  | 28% | 3   | Nos    | 37800 | 113400 | 31752 |
| a)  | Distributors(MAKE-COOL TECH)                                                                                                                                                                                                                                                                                             |  | 28% | 3   | Nos    | 0     | 0      | 0     |
| b)  | Expansion Valve(MAKE-DANFOSS)                                                                                                                                                                                                                                                                                            |  | 18% | 3   | Nos    | 2850  | 8550   | 1539  |
| c)  | Copper Piping with Insulation for suction line- <sup>5</sup> / <sub>8</sub> Inch                                                                                                                                                                                                                                         |  | 18% | 45  | RMT    | 850   | 38250  | 6885  |
| d)  | Copper Piping with Insulation for discharge line- <sup>3</sup> / <sub>8</sub> Inch                                                                                                                                                                                                                                       |  | 18% | 45  | RMT    | 550   | 24750  | 4455  |
| e)  | Tray-GI(22 SWG)                                                                                                                                                                                                                                                                                                          |  | 18% | 3   | RMT    | 450   | 1350   | 243   |
| f)  | Condensing Unit Stand                                                                                                                                                                                                                                                                                                    |  | 18% | 3   | Nos    | 2000  | 6000   | 1080  |
| g)  | Dryer                                                                                                                                                                                                                                                                                                                    |  | 18% | 3   | Nos    | 850   | 2550   | 459   |
| h)  | Handset valve                                                                                                                                                                                                                                                                                                            |  | 18% | 6   | Nos    | 350   | 2100   | 378   |
| i)  | Installation Charges                                                                                                                                                                                                                                                                                                     |  |     |     |        |       |        |       |
|     | CONDENSING UNIT 3TR                                                                                                                                                                                                                                                                                                      |  | 18% | 3   | Nos    | 3000  | 9000   | 1620  |
| 3   | DUCTING                                                                                                                                                                                                                                                                                                                  |  |     |     |        |       |        |       |
|     | Factory / Site Fabricated GI ducting as per IS Standard with RTV sealant & 3 mm thk With MS angle and Rubber gasket strips complete with supporting hangers, reavets, nut- bolts , threaded rod, fasteners etc.Fabrication of ducts shall be through Lock forming machines.Make :TATA/ JINDAL                            |  |     |     |        |       |        |       |
| 3.1 | 24 Guage Ducting                                                                                                                                                                                                                                                                                                         |  | 18% | 270 | Sq Mtr | 1050  | 283500 | 51030 |
| 4   | INSULATION                                                                                                                                                                                                                                                                                                               |  |     |     |        |       |        |       |
|     | Supplying , installation, testing & commissioning of external thermal insulation on DUCTS with Closed Cell Cross Linked Polythylene (XLPE) Foam of density 25±3 Kg/m³ & thermal Conductivity not exceeding 0.035 W/mK at an average Temperature of 40°C. The Material will be rated as Class 1, Make :AEROFOAM/PARAMOUNT |  |     |     |        |       |        |       |
| 4.1 | 12 MM THICK                                                                                                                                                                                                                                                                                                              |  | 18% | 270 | Sq Mtr | 590   | 159300 | 28674 |
| 5   | SS PERFORATED GRILL WITH MS BLACK DAMPER (factory fabricated)                                                                                                                                                                                                                                                            |  |     |     |        |       |        |       |
| 5.1 | SS-304 GRILL                                                                                                                                                                                                                                                                                                             |  |     |     |        |       |        |       |
| i   | 400X400mm(300X300)                                                                                                                                                                                                                                                                                                       |  | 18% | 16  | Nos    | 1250  | 20000  | 3600  |
|     |                                                                                                                                                                                                                                                                                                                          |  |     |     |        |       |        | 0     |
| 5.2 | MS Black Damper                                                                                                                                                                                                                                                                                                          |  |     |     |        |       |        | 0     |
| i   | 300X300 mm                                                                                                                                                                                                                                                                                                               |  | 18% | 16  | Nos    | 350   | 5600   | 1008  |
|     |                                                                                                                                                                                                                                                                                                                          |  |     |     |        |       |        |       |

|     |                                                                                                                                                                                                                                                           |  |     |   |     |      |       |      |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|---|-----|------|-------|------|
| 6   | HEPA SET POWDER COATED (Factory Fabricated)                                                                                                                                                                                                               |  |     |   |     |      |       |      |
|     | MS POWDER COATED HEPA housing made out in 18Gauge, PAO generation and concentration ports to check the integrity (Leakage) for HEPA filters complete in all respect with SS dom bolts with V.C.D, Operated from Top/Bottom- for following size of filter. |  |     |   |     |      |       |      |
| 6.1 | Hepa Housing With Damper                                                                                                                                                                                                                                  |  |     |   |     |      |       |      |
| i)  | 610X610X450 mm                                                                                                                                                                                                                                            |  | 18% | 2 | Nos | 4250 | 8500  | 1530 |
| ii) | 305X305X450 mm                                                                                                                                                                                                                                            |  | 18% | 8 | Nos | 2650 | 21200 | 3816 |
|     | SITC of H-13 HEPA filter of efficiency 99.97% down to 0.3 micron capacity made out of glass fibre media duly sealed in MS housing of following sizes:                                                                                                     |  |     |   |     |      |       |      |
| 6.2 | Hepa Filter (.3 Micron)                                                                                                                                                                                                                                   |  |     |   |     |      |       |      |
| i)  | 610X610X150 mm                                                                                                                                                                                                                                            |  | 18% | 2 | Nos | 4150 | 8300  | 1494 |
| ii) | 305X305X150 mm                                                                                                                                                                                                                                            |  | 18% | 8 | Nos | 2150 | 17200 | 3096 |
| 6.3 | SS 304 Perforated Sheet 18 Gauge                                                                                                                                                                                                                          |  |     |   |     |      |       |      |
| i)  | 730X730 mm                                                                                                                                                                                                                                                |  | 18% | 2 | Nos | 3250 | 6500  | 1170 |
| ii) | 420X420 mm                                                                                                                                                                                                                                                |  | 18% | 8 | Nos | 1650 | 13200 | 2376 |
| 7   | RISER SET                                                                                                                                                                                                                                                 |  |     |   |     |      |       |      |
|     | Supply, Installation of 10 Micron Box type riser filter                                                                                                                                                                                                   |  |     |   |     |      |       |      |
| 7.1 | RISER FILTER                                                                                                                                                                                                                                              |  |     |   |     |      |       |      |
| i)  | 390X290X25 mm                                                                                                                                                                                                                                             |  | 18% | 2 | Nos | 550  | 1100  | 198  |
| ii) | 290X290X25 mm                                                                                                                                                                                                                                             |  | 18% | 8 | Nos | 450  | 3600  | 648  |
| 7.2 | RISER DAMPER                                                                                                                                                                                                                                              |  |     |   |     |      |       |      |
|     | SITC of Return riser duct volume control damper made out with Aluminium suitable to be operated from bottom service floor of following sizes                                                                                                              |  |     |   |     |      |       |      |
| i)  | 590 X 70 mm                                                                                                                                                                                                                                               |  | 18% | 2 | Nos | 550  | 1100  | 198  |
| ii) | 390 X70 mm                                                                                                                                                                                                                                                |  | 18% | 8 | Nos | 450  | 3600  | 648  |
| 7.3 | RISER PERFORATED SHEET (Make- HVAC SOLUTIONS)                                                                                                                                                                                                             |  |     |   |     |      |       |      |
|     | SITC of SS- 304 perforated screen in capsule design with 65% perforation area made out of 1.25 mm thick sheet with all around knurling of following sizes for return and riser air:                                                                       |  |     |   |     |      |       |      |
| i)  | 500X400 mm                                                                                                                                                                                                                                                |  | 18% | 2 | Nos | 2450 | 4900  | 882  |
| ii) | 400X400 mm                                                                                                                                                                                                                                                |  | 18% | 8 | Nos | 2150 | 17200 | 3096 |
|     | NOTE-Quantity of Supply(Hepa filter,Diffuser,SS Grill)& Return( Riser Filter,Diffuser,SS Grill) may be Increase or Decrease .Its actual qty will be finalise after RCP zoning                                                                             |  |     |   |     |      |       |      |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                  |  |     |    |     |       |       |        |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|----|-----|-------|-------|--------|
|       |                                                                                                                                                                                                                                                                                                                                                                                                                  |  |     |    |     |       |       |        |
| 8     | RH&Temperature Controller With sensor (Modle-Subzero)                                                                                                                                                                                                                                                                                                                                                            |  | 18% | 4  | Nos | 5500  | 22000 | 3960   |
| 9     | ELECTRICAL PANEL                                                                                                                                                                                                                                                                                                                                                                                                 |  |     |    |     |       |       |        |
|       | Electrical panel with RYB Indicators, (suitable capacity of MCB ),Contactors(DOL&Heater,) ,O.L.R For DOL,start/stop push button(D.O.L& VFD),Auto/Manual Selector Switch(V.F.D&D.O.L),ON/OFF Selectore Switch(DX&Heater),On/off trip(D.O.L) ,Indicatore,Tempreature controller, Electrical Panel Shall Be Totally enclosed,with Hinged Doors, Gasket .Suitable For Locking Arrangement and VFD Port .arrangement. |  |     |    |     |       |       |        |
|       | CLASSIFIED AREA                                                                                                                                                                                                                                                                                                                                                                                                  |  |     |    |     |       |       |        |
| 1.2.1 | AHU-SF-01 :-600CFM SP 125 MMWG (A/L,DISPENSING)                                                                                                                                                                                                                                                                                                                                                                  |  | 18% | 1  | Nos | 18500 | 18500 | 3330   |
| 1.2.1 | AHU-SF-02 :-600CFM SP 125 MMWG (A/L,SAMPLING)                                                                                                                                                                                                                                                                                                                                                                    |  | 18% | 1  | Nos | 18500 | 18500 | 3330   |
| 1.2.2 | AHU-GF-03 :-700 CFM SP 125 MMWG (A/L,INCUBATION,MEDIA DISCARD,MEDIA PREP.,MICRO LAB)                                                                                                                                                                                                                                                                                                                             |  | 18% | 1  | Nos | 18500 | 18500 | 3330   |
|       | UNCLASSIFIED AREA                                                                                                                                                                                                                                                                                                                                                                                                |  |     |    |     |       |       |        |
| 1.2.6 | AHU-SF-04 :-3000 CFM SP 85 MMWG (LAB CHANGE ROOM,QC MANAGER,INSTRUMENTAL LAB,CHEMICAL LAB,WASHING HOT ZONE,CHEMICAL STORE,CONTROL SAMPLING,PASSAGE-05)                                                                                                                                                                                                                                                           |  | 18% | 1  | Nos | 22500 | 22500 | 4050   |
| 1.2.6 | DUCTABLE AC :-1800 CFM SP 125 MMWG (RM APPROVED,RM UNDER TEST,RM QUARNTINE)                                                                                                                                                                                                                                                                                                                                      |  | 18% | 1  | Nos | 19500 | 19500 | 3510   |
| 10    | Electrical Power Cabeling                                                                                                                                                                                                                                                                                                                                                                                        |  |     |    |     |       |       |        |
|       | Supply, Installation, Commissioning of Electrical Cable with thimble, MAKE:- POLYCAB                                                                                                                                                                                                                                                                                                                             |  |     |    |     |       |       |        |
| 10.1  | CONDENSING UNIT (Out Door Unit ) Power Cable With Tray                                                                                                                                                                                                                                                                                                                                                           |  |     |    |     |       |       |        |
| i     | (2.5 mm 4 Core Flexible Cable) For 2TR Outer Door Unit                                                                                                                                                                                                                                                                                                                                                           |  | 18% | 45 | RMT | 199   | 8955  | 1611.9 |
| ii    | (4 mm 4 Core Flexible Cable) For 5.5TR Outer Door Unit                                                                                                                                                                                                                                                                                                                                                           |  | 18% | 15 | RMT | 302   | 4530  | 815.4  |

|      |                                                                                                                             |  |     |    |     |       |       |         |
|------|-----------------------------------------------------------------------------------------------------------------------------|--|-----|----|-----|-------|-------|---------|
| iii  | (6 mm 4 Core Flexible Cable) For 8.5TR Outer Door Unit                                                                      |  | 18% | 15 | RMT | 440   | 6600  | 1188    |
| 10.2 | Out Door Unit Control Cable                                                                                                 |  |     |    |     |       |       |         |
| i    | (1 mm 2 Core Flexible Cable                                                                                                 |  | 18% | 90 | RMT | 50.8  | 4572  | 822.96  |
| 10.3 | Power Cable For HEATER                                                                                                      |  |     |    |     |       |       |         |
| i    | (1.5 mm 4 Core Flexible Cable) For 1 KW Heater                                                                              |  | 18% | 30 | RMT | 124   | 3720  | 669.6   |
| ii   | (1.5 mm 4 Core Flexible Cable) For 1.5 KW Heater                                                                            |  | 18% | 15 | RMT | 124   | 1860  | 334.8   |
| 10.4 | RH & Temp Controller                                                                                                        |  |     |    |     |       |       |         |
| i    | (1 mm 3 Core Flexible Cable) For RH & Temp                                                                                  |  | 18% | 60 | RMT | 69    | 4140  | 745.2   |
| 10.5 | Limit Switch And Marine Light                                                                                               |  |     |    |     |       |       |         |
| i    | (1 mm 3 Core Flexible Cable) For Limit Switch And Marine Light                                                              |  | 18% | 60 | RMT | 69    | 4140  | 745.2   |
| 10.6 | MOTOR 3 Phase (D.O.L)                                                                                                       |  |     |    |     |       |       |         |
| i)   | (1.5 mm 4 Core Flexible Cable) For Motor1.5 HP                                                                              |  | 18% | 15 | RMT | 124   | 1860  | 334.8   |
| iii) | (2.5 mm 4 Core Flexible Cable) For Motor 5 HP                                                                               |  | 18% | 15 | RMT | 199   | 2985  | 537.3   |
| iv)  | (2.5 mm 4 Core Flexible Cable) For Motor 7.5 HP                                                                             |  | 18% | 15 | RMT | 199   | 2985  | 537.3   |
| 11   | Electrical Power Cable Tray                                                                                                 |  |     |    |     |       |       |         |
|      | Supply, Installation, Commissioning of Electrical Cable tray,                                                               |  |     |    |     |       |       |         |
| e)   | Tray-GI(22 SWG)                                                                                                             |  | 18% | 60 | RMT | 450   | 27000 | 4860    |
| 12   | VFD                                                                                                                         |  |     |    |     |       |       |         |
|      | Supply, Installation testing and commissioning of VFD for AHU motors. Make-Delta                                            |  |     |    |     |       |       |         |
| i    | KW:- 1.1 HP :- 1.5                                                                                                          |  | 18% | 3  | Nos | 12800 | 38400 | 6912    |
| iii  | KW:- 5.5 HP :- 7.5                                                                                                          |  | 18% | 1  | Nos | 23467 | 23467 | 4224.06 |
|      | Note: (VFD suitable capacity of MCB & start/stop push button,on/off/ indicators port auto/manual selecter switch arengement |  |     |    |     |       |       |         |
|      |                                                                                                                             |  |     |    |     |       |       |         |

|                                                                       |                                                                                                                                                                   |  |     |    |     |              |                       |                     |
|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|----|-----|--------------|-----------------------|---------------------|
| 13                                                                    | DOCUMENTATION & COMMISSIOING WITH VALIDATION CHARGES                                                                                                              |  |     |    |     |              |                       |                     |
|                                                                       | DQ,IQ,OQ with all Drawing&test certificate & complete validation charges                                                                                          |  | 18% | 4  | Nos | 10000        | 40000                 | 7200                |
|                                                                       | Considering following point in validation -PARTICAL COUNT(One time), DIFFERENTIAL PRESSURE ,ACPH,VELOCITY(Note- Validation will be done only for classified area) |  |     |    |     |              |                       |                     |
|                                                                       |                                                                                                                                                                   |  |     |    |     |              |                       |                     |
| 14                                                                    | MAGNEHALIC GAUGE+ SS BOX(Make- Omicron)                                                                                                                           |  |     |    |     |              |                       |                     |
|                                                                       | 0-60PA                                                                                                                                                            |  | 18% | 10 | Nos | 5525         | 55250                 | 9945                |
|                                                                       |                                                                                                                                                                   |  |     |    |     | <b>TOTAL</b> | <b>1781389</b>        | <b>387190.02</b>    |
| <b>TOTAL PROJECT COST (GROUND FLOOR + FRIST FLOOR + SECOND FLOOR)</b> |                                                                                                                                                                   |  |     |    |     |              | <b>1,11,83,243.50</b> | <b>23,12,403.83</b> |