

| REVISED ESTIMATE |  |                            |      |              |              |                         |      |              |              |        |      |         |
|------------------|--|----------------------------|------|--------------|--------------|-------------------------|------|--------------|--------------|--------|------|---------|
| S. No            | DESCRIPTION  | As Per Sanctioned Estimate |      |              |              | As Per Working Estimate |      |              |              | EXCESS | LESS | REMARKS |
|                  |  | QTY                        | UNIT | RATE (Rs.)   | AMOUNT (Rs.) | QTY                     | UNIT | RATE (Rs.)   | AMOUNT (Rs.) |        |      |         |
|                  | MGMH Petlaburj Hospital  |                            |      |              |              |                         |      |              |              |        |      |         |
|                  | <b>EQUIPMENT</b>   |                            |      |              |              |                         |      |              |              |        |      |         |
| 199              | Ovum Aspiration Pumps at Petlaburj Hospital  | 2                          | No   | 2,40,000.00  | 4,80,000.00  | 2.00                    | No   | 2,40,000.00  | 4,80,000.00  | -      | -    |         |
|                  |  |                            |      |              |              |                         |      |              |              |        |      |         |
| 200              | IVF Test tube Warmers at Petlaburj Hospital  | 2                          | No   | 49,500.00    | 99,000.00    | 2.00                    | No   | 49,500.00    | 99,000.00    | -      | -    |         |
|                  |  |                            |      |              |              |                         |      |              |              |        |      |         |
| 201              | DICOM compatible fully digital, compact, portable, Ultrasound Scan Machine Colour Doppler at Petlaburj   | 2                          | No   | 13,65,000.00 | 27,30,000.00 | 2.00                    | No   | 13,65,000.00 | 27,30,000.00 | -      | -    |         |
|                  |  |                            |      |              |              |                         |      |              |              |        |      |         |
| 202              | Multipurpose Electro hydraulic with manual override mobile OT Table, with divided leg section suitable for all Gynaecological surgical procedures, complete with 5cm Mattress and corded handset at Petlaburj Hospital | 1                          | No   | 5,63,750.00  | 5,63,750.00  | 1.00                    | No   | 5,63,750.00  | 5,63,750.00  | -      | -    |         |
|                  |  |                            |      |              |              |                         |      |              |              |        |      |         |
| 203              | LED procedure Lights Double dome at Petlaburj Hospital   | 1                          | No   | 3,12,500.00  | 3,12,500.00  | 1.00                    | No   | 3,12,500.00  | 3,12,500.00  | -      | -    |         |
|                  |  |                            |      |              |              |                         |      |              |              |        |      |         |
| 204              | LED procedure Lights Single dome at Petlaburj Hospital   | 1                          | No   | 1,87,500.00  | 1,87,500.00  | 1.00                    | No   | 1,87,500.00  | 1,87,500.00  | -      | -    |         |
|                  |  |                            |      |              |              |                         |      |              |              |        |      |         |
| 205              | IVF Workstation with LAF at Petlaburj Hospital   | 1                          | No   | 6,87,500.00  | 6,87,500.00  | 1.00                    | No   | 6,87,500.00  | 6,87,500.00  | -      | -    |         |
|                  |  |                            |      |              |              |                         |      |              |              |        |      |         |
| 206              | IVF Ant vibration Table for procedure at Petlaburj Hospital  | 1                          | No   | 96,250.00    | 96,250.00    | 1.00                    | No   | 96,250.00    | 96,250.00    | -      | -    |         |
|                  |  |                            |      |              |              |                         |      |              |              |        |      |         |
| 207              | CO2 Incubators at Petlaburj Hospital   | 2                          | No   | 8,25,000.00  | 16,50,000.00 | 2.00                    | No   | 8,25,000.00  | 16,50,000.00 | -      | -    |         |
|                  |  |                            |      |              |              |                         |      |              |              |        |      |         |
| 208              | Trigas bench Top Incubators for Human Embryo culture at Petlaburj Hospital   | 1                          | No   | 8,25,000.00  | 8,25,000.00  | 1.00                    | No   | 8,25,000.00  | 8,25,000.00  | -      | -    |         |
|                  |  |                            |      |              |              |                         |      |              |              |        |      |         |
| 209              | Trinocular Stereozoom Microscope at Petlaburj Hospital   | 1                          | No   | 3,09,000.00  | 3,09,000.00  | 1.00                    | No   | 3,09,000.00  | 3,09,000.00  | -      | -    |         |
|                  |  |                            |      |              |              |                         |      |              |              | -      | -    |         |
| 210              | ICSI Micro manipulator with Inverted Microscope at Petlaburj Hospital  | 1                          | No   | 26,25,000.00 | 26,25,000.00 | 1.00                    | No   | 26,25,000.00 | 26,25,000.00 | -      | -    |         |
|                  |  |                            |      |              |              |                         |      |              |              | -      | -    |         |
| 211              | IVF Laser System at Petlaburj Hospital   | 1                          | No   | 25,60,000.00 | 25,60,000.00 | 1.00                    | No   | 25,60,000.00 | 25,60,000.00 | -      | -    |         |
|                  |  |                            |      |              |              |                         |      |              |              | -      | -    |         |
| 212              | IVF Thermometer at Petlaburj Hospital  | 1                          | No   | 61,875.00    | 61,875.00    | 1.00                    | No   | 61,875.00    | 61,875.00    | -      | -    |         |
|                  |  |                            |      |              |              |                         |      |              |              | -      | -    |         |
| 213              | CO2 Cylinder and Manifold at Petlaburj Hospital  | 2                          | No   | 50,000.00    | 1,00,000.00  | 2.00                    | No   | 50,000.00    | 1,00,000.00  | -      | -    |         |
|                  |  |                            |      |              |              |                         |      |              |              | -      | -    |         |
| 214              | CO2 and O2 Analyzer at Petlaburj Hospital  | 1                          | No   | 3,78,000.00  | 3,78,000.00  | 1.00                    | No   | 3,78,000.00  | 3,78,000.00  | -      | -    |         |
|                  |  |                            |      |              |              |                         |      |              |              | -      | -    |         |
| 215              | PH Meter at Petlaburj Hospital   | 1                          | No   | 93,750.00    | 93,750.00    | 1.00                    | No   | 93,750.00    | 93,750.00    | -      | -    |         |
|                  |  |                            |      |              |              |                         |      |              |              | -      | -    |         |
| 216              | VOC Meter for ART Lab at Petlaburj Hospital  | 1                          | No   | 7,31,250.00  | 7,31,250.00  | 1.00                    | No   | 7,31,250.00  | 7,31,250.00  | -      | -    |         |
|                  |  |                            |      |              |              |                         |      |              |              | -      | -    |         |
| 217              | Sperm Counting Makler Chamber at Petlaburj Hospital  | 1                          | No   | 75,625.00    | 75,625.00    | 1.00                    | No   | 75,625.00    | 75,625.00    | -      | -    |         |
|                  |  |                            |      |              |              |                         |      |              |              | -      | -    |         |
| 218              | Binocular Microscope for Semen Analysis at Petlaburj   | 1                          | No   | 41,250.00    | 41,250.00    | 1.00                    | No   | 41,250.00    | 41,250.00    | -      | -    |         |
|                  |  |                            |      |              |              |                         |      |              |              | -      | -    |         |
| 219              | Laminar flow cabinet with  |                            |      |              |              |                         |      |              |              |        |      |         |



| S. No | DESCRIPTION   | As Per Sanctioned Estimate |      |            |              | As Per Working Estimate |      |            |              | EXCESS   | LESS      | REMARKS |
|-------|---|----------------------------|------|------------|--------------|-------------------------|------|------------|--------------|----------|-----------|---------|
|       |   | QTY                        | UNIT | RATE (Rs.) | AMOUNT (Rs.) | QTY                     | UNIT | RATE (Rs.) | AMOUNT (Rs.) |          |           |         |
| 247   | Dismantling, clearing away and carefully stacking useful materials for re- use and disposal of unserviceable materials with 100m lead as directed by Executive Engineer duly taking actual premeasurements before dismantling including all labour charges, etc., complete. Brick Masonry at MGMH Petlaburi                           | 80                         | Cum  | 398.00     | 31,840.00    | 20.57                   | Cum  | 398.00     | 8,187.00     | -        | 23,653.00 |         |
|       |   |                            |      |            |              |                         |      |            |              | -        | -         |         |
| 248   | Dismantling clearing away and carefully stacking useful materials for re use and disposal of unserviceable materials with 100m lead as directed by Executive Engineer duly taking actual premeasurements before dismantling including all labour charges etc complete for   | 400                        | Sqm  | 20.00      | 8,000.00     | 400.00                  | Sqm  | 20.00      | 8,000.00     | -        | -         |         |
|       | <b>AE</b>   |                            |      |            |              | 329.93                  | Sqm  | 20.00      | 6,599.00     | 6,599.00 | -         |         |
| 249   | Dismantling doors, windows and clear storey windows, Ventilators etc., wood or steel shutters including Chowkhats, architraves, hold fasts and other attachments etc., and stacking them within 100m lead including labour charge etc., and complete for finished item of work. Not exceeding 3 sqm in area: Doors 1.00x2.60M at MGMH | 16                         | No   | 350.00     | 5,600.00     | 16.00                   | No   | 350.00     | 5,600.00     | -        | -         |         |

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|-------|--|----------------------------|------|------------|--------------|-------------------------|------|------------|--------------|-------------|-----------|---------|
|       |  | QTY                        | UNIT | RATE (Rs.) | AMOUNT (Rs.) | QTY                     | UNIT | RATE (Rs.) | AMOUNT (Rs.) |             |           |         |
| 256   | Plastering 12mm thick in two coats using screened sand with base coat of 8mm thick in CM 1:6 and top coat of 4mm thick in CM 1:4 with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, including sales and other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting grooves as directed by Engineer-in-charge etc., and complete for finished item of work SS 901 903 and 904 3rd Floor at   | 430                        | Sqm  | 906.00     | 3,89,580.00  | 430.00                  | Sqm  | 906.00     | 3,89,580.00  | -           | -         |         |
|       | <b>AE</b>  |                            |      |            |              | 475.88                  | Sqm  | 906.00     | 4,31,147.00  | 4,31,147.00 | -         |         |
| 257   | Providing and laying screed plain cement concrete as per site condition for floor bedding using high quality aggregates including base preparation, compaction, levelling, all lead and lifts, rough finishing at the top surface, curing, shuttering if necessary etc., complete as directed . at MGMH Petlaburi  | 20                         | Sqm  | 4,670.00   | 93,400.00    | 0.00                    | Sqm  | 4,670.00   |              | -           | 93,400.00 |         |
|       |  |                            |      |            |              |                         |      |            |              | -           | -         |         |
| 258   | Supply and fixing powder coated aluminium fully glazed swing door as per the approved drawing with fixed fan light of 500mm height at top door using aluminium sections of 101.60 mm x44.45mm , 3.18 mm thick for frame and door shutter made of styles , top and middle rail of 47.62mm x 44.45mm, 3.18 mm thick and bottom rail of 96.00mm x 44.45 mm,3.18mm thick, powder coating of aluminium sections 25mm microns thick, 5 mm thick plain glass fitted with suitable aluminium glazing clips and rubber beading in fan light portion, double shutters fitted with 5mm thick frosted glass in the top half and 12mm thick prelaminated particle board One side choice colour and other side balancing white lamination in the bottom half fitted with suitable aluminium glazing clips and rubber beading, as approved by Engineer-in-Charge including supply and fixing ISI marked powder coated aluminium fixtures of 2 Nos. tower bolts 10mm bolt IS:204 300mm long, 4 Nos. aluminium handles IS:208 150mm dia and 1 Nos. aldrops IS:2681 250mm, 1 No. door closure, Al. Butt hinges 125mm long 6Nos including labour charges for manufacturing door , fixing the door with required No. of screws etc., complete for finished item of | 5                          | Sqm  | 13,713.00  | 68,565.00    | 0.00                    | Sqm  | 13,713.00  |              | -           | 68,565.00 |         |

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|-------|--|----------------------------|------|------------|--------------|-------------------------|------|------------|--------------|--------|-------------|---------|
|       |  | QTY                        | UNIT | RATE (Rs.) | AMOUNT (Rs.) | QTY                     | UNIT | RATE (Rs.) | AMOUNT (Rs.) |        |             |         |
| 261   | Supply and fixing doors as per drawings with medium teak wood frame of section 100mm x 65 mm and ISI marked flush door shutters of 30 mm thick single shutter with bond wood solid block board type Core having cross bands and face veneers, hot pressed bonded with water proof phenol formaldehyde synthetic resin factory made conforming to IS 2202-1991 Part- I both sides commercial ply with internal lipping on all sides including cost and conveyance to site of teak wood frame, flush shutter including supply and fixing 6 Nos. MS Z hold fasts of size 300 mm x 40 mm x 5mm including cost of ISI marked Aluminium fixtures of 3 Nos. butt long handles IS:208, 1 No. door stopper and 1 No. rubber bush including fixing the fixtures to door with required number of screws, bolt and nuts including labour charges for fixing the frame in position, fixing the shutter to the frame etc., complete for finished item of work as per APSS 1001 and 1002 The vertical frame of door shall be embedded in flooring for a depth of not less than 10 mm 1000mm x 2100mm at MGMH Petlaburj  | 35                         | Sqm  | 5,593.00   | 1,95,755.00  | 0.00                    | Sqm  | 5,593.00   |              | -      | 1,95,755.00 |         |
|       |  |                            |      |            |              |                         |      |            |              | -      | -           |         |
| 262   | Supply and fixing doors as per drawings with medium teak wood frame of section 100mm x 65mm and ISI marked flush door shutter of 30mm thick single shutter with bond wood solid block board type Core having cross bands and face veneers, hot pressed bonded with water proof phenol formaldehyde synthetic resin factory made conforming to IS 2202-1991 Part- I both sides commercial ply with internal lipping on all sides including cost and conveyance to site of medium teak wood door frame, flush shutter, including suply and fixing 6 Nos. MS Z hold fasts of size 300mm x 40mm x 5mm including ISI marked Aluminium fixtures 3 Nos. butt hinges IS:205 of 150mm long, 1 No. aldrop IS:2681 250 mm long, 1 No. tower bolt IS:204 of 150 mm x 10mm dia, 2 Nos. 125mm long handles IS:208,1 No. rubber bush including supplying and fixing 1.20mm thick PVC sheet to full height of the shutter inside including labour charges for fixing the frame in position, fixing the shutter to the frame etc., complete for finished item of work as per APSS 1001 and 1002. The vertical frame of door shall be embedded in flooring for depth of not less than 10mm 750mm x 2100mm. at MGMH Petlaburj | 10                         | Sqm  | 6,502.00   | 65,020.00    | 0.00                    | Sqm  | 6,502.00   |              | -      | 65,020.00   |         |
|       |  |                            |      |            |              |                         |      |            |              | -      | -           |         |



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|       |   | QTY                        | UNIT | RATE (Rs.) | AMOUNT (Rs.) | QTY                     | UNIT | RATE (Rs.) | AMOUNT (Rs.) |             |             |         |
| 263   | Flooring with soluble salt porcelain vitrified tiles screen printed and polished of size 600 x 600 mm and thickness between 8 to 10mm 1st quality conforming to IS: 13711, IS: 13712, IS: 13630Parts 1 to 15 of any colour and finish in all shades and designs with borders and design as per the approved flooring pattern as directed by the Engineer-In -Charge, laying tiles using spacers of 2mm thick, set over a base coat of CM 1:8 prop. 12mm thick using screened sand over CC bed already laid or RCC roof slab, including neat cement slurry of honey like consistency spread at the rate 3.3 kgs per Sqm. and jointed neatly with white cement paste to full depth mixed with pigment of matching shade including cost and conveyance of all materials like cement, sand, water, tiles, white cement etc., to site excluding cost of C.C. bed including cost of base coat and all labour charges for mixing of cement mortar, laying tiles to required slope as directed by the Engineer- in- charge etc. and complete for finished item of work. TSSS No.701 | 360                        | Sqm  | 1,593.00   | 5,73,480.00  | 294.66                  | Sqm  | 1,593.00   | 4,69,393.00  | -           | 1,04,087.00 |         |
|       |   |                            |      |            |              |                         |      |            |              | -           | -           |         |
| 264   | Flooring with non-skid full body ceramic floor tiles of size 300mm x 300mm and thickness between 7 - 8mm 1st quality conforming to IS: 13711, IS: 13712, IS: 13630Part 1 to 15 of any colour and finish in all shades and designs as approved by Engineer-in-charge, set over base coat of cement mortar 1:8, 12mm thick using screened sand over CC bed already laid or RCC roof slab, including neat cement slurry of honey like consistency spread at the rate 3.3 Kgs per Sqm and jointed neatly with white cement paste to full depth mixed with pigment of matching shade, including cost of all materials like cement, screened sand , water and tiles etc., complete for finished item of work. TSSS No.701 and 707 at MGMH Petlaburj   | 12                         | Sqm  | 1,395.00   | 16,740.00    | 12.00                   | Sqm  | 1,395.00   | 16,740.00    | -           | -           |         |
|       | <b>AE</b>   |                            |      |            |              | 0.93                    | Sqm  | 1,395.00   | 1,297.00     | 1,297.00    | -           |         |
| 265   | Providing and fixing in true horizontal level 14 mm - Mineral Fiber sheet 595 x 595 Square / Tegular Fissura fine model edge tiles with a Humidity Resistance of 90 percentage RH, Average NRC 0.50, Light Reflectance greater than80percentage, Thermal Conductivity equal to 0.052 to 0.057 w/mk, Fire Performance Class 0/Class 1 using hot dipped Galvanized Steel section exposed surface with pre-coated capping, main Tee of size 24 x 32 mm at every 1200 mm c/c maximum and rotary stitched cross tee of size 24 x 27 mm at every 600 mm c/c and sub-cross tee of size 24 mm x 25 mm at 1200 mm c/c and wall angle of size 19 x 19 mm fixed to periphery of the wall and the above grid is suspended at every 1200 mm c/c in both directions using 2.0 mm thick pre-straightened GI Wire including cost and conveyance of all materials and labour charges such as cutting , fixing of standing of frame work exposing roof making etc., complete for finished item of work in 3rd floor. at MGMH Petlaburj  | 300                        | Sqm  | 1,636.00   | 4,90,800.00  | 300.00                  | Sqm  | 1,636.00   | 4,90,800.00  | -           | -           |         |
|       | <b>AE</b>   |                            |      |            |              | 138.85                  | Sqm  | 1,636.00   | 2,27,159.00  | 2,27,159.00 | -           |         |

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|       |   | QTY                        | UNIT | RATE (Rs.) | AMOUNT (Rs.) | QTY                     | UNIT | RATE (Rs.) | AMOUNT (Rs.) |             |           |         |
| 266   | Providing dadoing to walls with glazed full body porcelain wall tiles of size 300 x 600 mm with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc., scratch less, stain free and thickness between 6-8 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 Parts 1 to 15 of any colour and finish in all shades and designs with borders as approved by Engineer-in-Charge set over base coat of CM1:5 12 mm thick using screened sand with cement slurry of honey like consistency spread at the rate of 3.30 kgs per sqm and jointing with white cement paste mixed with pigment of matching shade to full depth, including cost of all materials like tiles, cement, sand and water etc., complete for finished item of work. 3rd Floor at MGMH | 30                         | Sqm  | 1,391.00   | 41,730.00    | 30.00                   | Sqm  | 1,391.00   | 41,730.00    | -           | -         |         |
|       |   |                            |      |            |              | 225.40                  | Sqm  | 1,391.00   | 3,13,531.00  | 3,13,531.00 | -         |         |
| 267   | Providing and applying Wall putty of White Cement or Polymer or Cement based of average 1 to 2 mm thickness over plastered surface to prepare the surface even and smooth after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, applying emery paper, Sand the surface, clean and wipe off loose dust, applying knifing paste filler by putty knife / muslin pad, air dry for 2 - 3 hrs, sand with 180 and 320 No., emery paper for the surface preparation including cost and conveyance of all materials to work site and all operational, incidental, labour charges, over heads and etc., complete for finished item of work in 3rd floor Internal walls. at MGMH Petlaburj   | 975                        | Sqm  | 315.00     | 3,07,125.00  | 975.00                  | Sqm  | 315.00     | 3,07,125.00  | -           | -         |         |
|       | <b>AE</b>   |                            |      |            |              | 473.95                  | Sqm  | 315.00     | 1,49,294.00  | 1,49,294.00 | -         |         |
| 268   | Painting to new wood work and flush shutters with lappam finish, over a primary coat and painting two coats of synthetic enamel paint Grade-II VOC Volatile Organic Compound content less than 50 grams/litre of approved shade including cost and conveyance of all materials to site cost of primer coat and all labour charges etc. complete including applying sand paper on lappam coats for neat finish including sales and other taxes on cost of all materials etc., complete in all floors TSSS No.1200, 1207 and 1211. at MGMH Petlaburj  | 80                         | Sqm  | 281.00     | 22,480.00    | 0.00                    | Sqm  | 281.00     |              | -           | 22,480.00 |         |
|       |   |                            |      |            |              |                         |      |            |              | -           | -         |         |
| 269   | Supply and application of one coat water based cement primer of interior grade I and two coats of water based PU paint having anti bacterial applications content less than 50 grams/litre for internal walls including cost and conveyance of all materials to site, sales and other taxes, incidental, operational and all labour charges etc., and complete for finished item of work in 3rd floor. at MGMH Petlaburj  | 975                        | Sqm  | 259.00     | 2,52,525.00  | 975.00                  | Sqm  | 259.00     | 2,52,525.00  | -           | -         |         |
|       |   |                            |      |            |              | 152.93                  | Sqm  | 259.00     | 39,609.00    | 39,609.00   | -         |         |

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|       |  | QTY                        | UNIT | RATE (Rs.) | AMOUNT (Rs.) | QTY                     | UNIT | RATE (Rs.) | AMOUNT (Rs.) |           |           |         |
| 270   | Painting to old walls with 2 coats of water proof cement paint of shade as approved by the Engineer-In-Charge to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, scaffolding charges, incidental, labour charges etc., and overheads and contractors profit complete for finished item of work as per SS 912 in 3rd floor. at MGMH Petlaburj   | 100                        | Sqm  | 229.00     | 22,900.00    | 0.00                    | Sqm  | 229.00     |              | -         | 22,900.00 |         |
|       |  |                            |      |            |              |                         |      |            |              | -         | -         |         |
| 285   | Supply and installation of 80mm thick double skin modular wall Panels made of 0.8 mm thick powder coated GI on both the sides, with 40 plus or minus 2 kg/m3 density PUF as infill, GI profiles all along the periphery, flush on both sides with maximum allowable gap of 3- 4mm filled with food grade silicon sealant and placed on cold rolled galvanised bottom tracks with a recess to provide floor to wall coving flush with the wall panel. This includes all required hardware for completion Panels to be covered with a protective film to avoid any damages during transportation and installation at MGMH  | 125                        | sqm  | 5,620.00   | 7,02,500.00  | 121.04                  | sqm  | 5,620.00   | 6,80,245.00  | -         | 22,255.00 |         |
|       |  |                            |      |            |              |                         |      |            |              | -         | -         |         |
| 286   | Supply and installation of 50mm thick double skin ceiling system made of 0.8 mm thick Powder Coated GI sheets on both sides, 40 plus or minus 2 kg/m3 density PUF as infill, GI profiles all along the periphery, panels flush towards room side with maximum allowable gap of 3-4mm at panel to panel joints filled with silicon sealant. Ceiling panels are suspended from the RCC slab by using concealed AL ceiling grid with tie rod and adjustable turn buckle arrangement etc. This includes all required hardware for completion. Panels to be covered with a protective film to avoid any damages during  | 60                         | sqm  | 5,135.00   | 3,08,100.00  | 60.00                   | sqm  | 5,135.00   | 3,08,100.00  | -         | -         |         |
|       | AE   |                            |      |            |              | 2.70                    | sqm  | 5,135.00   | 13,865.00    | 13,865.00 | -         |         |
| 287   | Double leaf clean room Doors : 46mm thick flush doors made of 0.8mm thick Powder coated GI sheets on both sides, 90 plus or minus 2 kg/m3 density Honeycomb with stand upto 220 Deg.C Temperature, and compressible strength upto 400 Kg/Sqm, 1.2 mm thick GPSP . door frames, double glazed vision panel with necessary adhesive tapes and silicon sealant, necessary hardware like SS304 ball bearing butt hinges, D- handles, push plates, Dorma make door closure, concealed tower bolt, drop seals for the double leaf door and provision for fixing magnetic type door interlocking system and automatic door bottoms, Both side lock and keys etc. complete. Size 1500 X 2100 mm with 300mm X 300mm double glazed view panels at MGMH | 4                          | No   | 46,000.00  | 1,84,000.00  | 4.00                    | No   | 46,000.00  | 1,84,000.00  | -         | -         |         |
|       | AE   |                            |      |            |              | 1.00                    | No   | 46,000.00  | 46,000.00    | 46,000.00 | -         |         |

| S. No | DESCRIPTION   | As Per Sanctioned Estimate |      |             |              | As Per Working Estimate |      |             |              | EXCESS       | LESS        | REMARKS |
|-------|---|----------------------------|------|-------------|--------------|-------------------------|------|-------------|--------------|--------------|-------------|---------|
|       |   | QTY                        | UNIT | RATE (Rs.)  | AMOUNT (Rs.) | QTY                     | UNIT | RATE (Rs.)  | AMOUNT (Rs.) |              |             |         |
| 288   | Single leaf clean room Doors : 46mm thick flush doors made of 0.8mm thick Powder coated GI sheets on both sides, 90 plus or minus 2 kg/m3 density Honeycomb with stand upto 220 Deg.C Temperature, and compressible strength upto 400 Kg/Sqm, 1.2 mm thick GPSP . door frames, double glazed vision panel with necessary adhesive tapes and silicon sealant, necessary hardware like SS304 ball bearing butt hinges, D- handles, push plates, Dorma make door closure, concealed tower bolt, drop seals for the double leaf door and provision for fixing magnetic type door interlocking system and automatic door bottoms, Both side lock and keys etc. complete. Size 900 X 2100 mm with 300 mm x 300 mm | 2                          | No   | 28,700.00   | 57,400.00    | 2.00                    | No   | 28,700.00   | 57,400.00    | -            | -           |         |
|       | <b>AE</b>   |                            |      |             |              | 3.00                    | No   | 28,700.00   | 86,100.00    | 86,100.00    | -           |         |
| 289   | Supply and installation of Extruded Aluminium Coving at MGMH Petlaburj  | 100                        | Rmt  | 585.00      | 58,500.00    | 100.00                  | Rmt  | 585.00      | 58,500.00    | -            | -           |         |
|       | <b>AE</b>   |                            |      |             |              | 9.88                    | Rmt  | 585.00      | 5,780.00     | 5,780.00     | -           |         |
| 290   | Providing, laying of scratch proof PVC/Vinyl flooring of 2mm thickness with proper welded joints air tight, along with leveling compound to match the existing flooring levels as per engineer in charge instructions. Sub floor preparation with self leveling compound. After the sub floor preparation, it should be suitable for ESD flooring. Rate inclusive of sifting of material and labour charges. at MGMH Petlaburj  | 140                        | Sqm  | 4,070.00    | 5,69,800.00  | 140.00                  | Sqm  | 4,070.00    | 5,69,800.00  | -            | -           |         |
|       | <b>AE</b>   |                            |      |             |              | 33.31                   | Sqm  | 4,070.00    | 1,35,572.00  | 1,35,572.00  | -           |         |
| 291   | Supply, installation, testing and commissioning of 16 G GI powder coated suitable single person entry air shower as per the Technical Specifications at MGMH Petlaburj  | 1                          | No   | 3,55,000.00 | 3,55,000.00  | 1.00                    | No   | 3,55,000.00 | 3,55,000.00  | -            | -           |         |
|       |   |                            |      |             |              |                         |      |             |              | -            | -           |         |
| 292   | Supply, installation, Testing and Commissioning of Static Pass Boxes of Size 450X450mm with 1.2mm thick SS 304 Mat finish , with interlock doors, UV light On when doors closed condition. As per clean room standard and requirement. at MGMH Petlaburj  | 3                          | No   | 61,000.00   | 1,83,000.00  | 2.00                    | No   | 61,000.00   | 1,22,000.00  | -            | 61,000.00   |         |
|       |   |                            |      |             | 59,15,529.00 |                         |      | PART-A      | 69,01,373.00 | 18,57,925.00 | 8,72,081.00 |         |
|       | <b>PLUMBING WORKS</b>   |                            |      |             |              |                         |      |             |              |              |             |         |
| 271   | Supplying and fixing 15 mm brass body CP finish bib tap of not less than 300 grams weight screw grams weight with quarter turn spindle with internal/ external threaded connection conforming to IS 8931 as approved by the Engineer-In-Charge including cost and conveyance of all materials, labour charges , overheads and contractors profit complete for finished item of work in all floors. at MGMH Petlaburj  | 2                          | No   | 881.00      | 1,762.00     | 0.00                    | No   | 881.00      |              | -            | 1,762.00    |         |
|       |   |                            |      |             |              |                         |      |             |              | -            | -           |         |
| 272   | Supply and fixing of Ashirvad/ Ajay/ Astral Flowguard or equivalent CPVC Pipes and Fittings SDR 13.5 to meet the requirement of ASTM-D 2846 and are produced in CTS Copper Tube Sizes 1/2inches to 2inches for hot and cold water IS 15778:2007 including cost and conveyance of all materials to site, labour charges for fixing,complete for finished item of work at all floor levels. 15.90mm OD pipe at MGMH Petlaburj   | 60                         | Rmt  | 199.00      | 11,940.00    | 60.00                   | Rmt  | 199.00      | 11,940.00    | -            | -           |         |
|       |   |                            |      |             |              | 35.61                   | Rmt  | 199.00      | 7,086.00     | 7,086.00     | -           |         |

| S. No | DESCRIPTION  | As Per Sanctioned Estimate |      |            |              | As Per Working Estimate |      |            |              | EXCESS | LESS      | REMARKS |
|-------|--|----------------------------|------|------------|--------------|-------------------------|------|------------|--------------|--------|-----------|---------|
|       |  | QTY                        | UNIT | RATE (Rs.) | AMOUNT (Rs.) | QTY                     | UNIT | RATE (Rs.) | AMOUNT (Rs.) |        |           |         |
| 273   | Supply and fixing of Ashirvad/ Ajay/ Astral Flowguard or equivalent CPVC Pipes and Fittings SDR 13.5 to meet the requirement of ASTM-D 2846 and are produced in CTS Copper Tube Sizes 1/2inches to 2inches for hot and cold water IS 15778:2007 including cost and conveyance of all materials to site, labour charges for fixing, complete for finished item of work at all floor levels. 22.20mm OD pipe at MGMH Petlaburi   | 60                         | Rmt  | 229.00     | 13,740.00    | 0.00                    | Rmt  | 229.00     |              | -      | 13,740.00 |         |
| 274   | Supplying and fixing of SWR PVC pipes Prince/Sudhakar/Kisan/Supreme or any ISI brand 4 Kg/Sq.cm. and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges, complete for finished item of work at all floor levels. APSS No. 1302 1319 and 1326 - 75mm dia at MGMH Petlaburj   | 90                         | Rmt  | 327.00     | 29,430.00    | 0.00                    | Rmt  | 327.00     |              | -      | 29,430.00 |         |
| 275   | Supplying and fixing of SWR PVC pipes Prince/Sudhakar/Kisan/Supreme or any ISI brand 4 Kg/Sq.cm. and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges, complete for finished item of work at all floor levels. APSS No. 1302 1319 and 1326- 110mm dia at MGMH Petlaburi   | 75                         | Rmt  | 444.00     | 33,300.00    | 10.25                   | Rmt  | 444.00     | 4,551.00     | -      | 28,749.00 |         |
| 276   | Supplying and fixing Bronze Gate/ Globe valve as per IS - 778 Class - I, Indian make heavy type including cost and conveyance of all materials , labour charges , overheads and contractors profit complete for finished item of work. 25mm Nominal bore at MGMH Petlaburi   | 6                          | No   | 1,746.00   | 10,476.00    | 0.00                    | No   | 1,746.00   |              | -      | 10,476.00 |         |
| 277   | Supplying and fixing of 4inches 101.6mm multi floor trap with jali - UPVC/SWR pipe fittings as per site requirements with standard practice for all floors including cost and conveyance of all materials to site, labour charges ,etc., complete for finished item of work. at MGMH Petlaburj   | 6                          | No   | 220.00     | 1,320.00     | 1.00                    | No   | 220.00     | 220.00       | -      | 1,100.00  |         |
| 278   | Supplying and fixing Indian make Flat Back Wash Hand Basin 1st quality conforming to IS:2556-Part-4:1972 of size 550mm x 400mm with 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make heavy duty complete with standard CI brackets including wooden blocks ,1 No.12.70mm PVC connection with brass union nuts CP coated , angle stop cock 12.70mm dia. first quality Indian make heavy duty, 30mm dia. PVC flexible waste pipe 914.4mm length of 1st quality including cost and conveyance of all materials to site, labour charges | 6                          | No   | 3,800.00   | 22,800.00    | 6.00                    | No   | 3,800.00   | 22,800.00    | -      | -         |         |

| S. No | DESCRIPTION | As Per Sanctioned Estimate |      |            |              | As Per Working Estimate |      |            |              | EXCESS | LESS | REMARKS |
|-------|-------------|----------------------------|------|------------|--------------|-------------------------|------|------------|--------------|--------|------|---------|
|       |             | QTY                        | UNIT | RATE (Rs.) | AMOUNT (Rs.) | QTY                     | UNIT | RATE (Rs.) | AMOUNT (Rs.) |        |      |         |
|       |             |                            |      |            |              |                         |      |            |              | -      | -    |         |

| S. No | DESCRIPTION   | As Per Sanctioned Estimate |      |            |              | As Per Working Estimate |      |            |              | EXCESS    | LESS      | REMARKS |
|-------|---|----------------------------|------|------------|--------------|-------------------------|------|------------|--------------|-----------|-----------|---------|
|       |   | QTY                        | UNIT | RATE (Rs.) | AMOUNT (Rs.) | QTY                     | UNIT | RATE (Rs.) | AMOUNT (Rs.) |           |           |         |
| 279   | Supply, Installation and commissioning approved make floor mounted Anglo Indian wash down EWC conforming to IS:2556 Part 8-2004 suit with P or S trap with dual flush porcelain cistern fixed on wash down EWC with all internal parts of dual flush cistern, ultra solid seat cover of approved make with rubber buffer and cap and 15 mm angle stop cock and 450 mm long PVC inter connection pipe wall flanges all of approved make etc. complete for finished item of work in all respects: TBSP-F II-03 at | 6                          | No   | 7,590.00   | 45,540.00    | 6.00                    | No   | 7,590.00   | 45,540.00    | -         | -         |         |
|       |   |                            |      |            |              |                         |      |            |              | -         | -         |         |
| 280   | Supplying and fixing Chromium plated finish brass body quarter turn Bibcock cum Health Faucet with 1m long tube and wall hook with necessary fittings etc., complete including cost and conveyance of all materials, labour charges, complete for finished item of work in all  | 6                          | No   | 4,579.00   | 27,474.00    | 6.00                    | No   | 4,579.00   | 27,474.00    | -         | -         |         |
|       |   |                            |      |            |              |                         |      |            |              | -         | -         |         |
| 281   | Supplying and fixing CP finish brass soap dish of approved make ISI quality including cost and conveyance of all materials, labour charges for fixing, for finished item of work in all floors at MGMH Petlaburi  | 6                          | No   | 872.00     | 5,232.00     | 6.00                    | No   | 872.00     | 5,232.00     | -         | -         |         |
|       |   |                            |      |            |              |                         |      |            |              | -         | -         |         |
| 282   | Supplying and fixing TV shape mirror with plastic frame of size 609.6mm x 457.2mm, plywood back with NP screws 1st quality including cost and conveyance of all materials, labour charges, for finished item of work in all floors. at MGMH Petlaburi   | 6                          | No   | 727.00     | 4,362.00     | 6.00                    | No   | 727.00     | 4,362.00     | -         | -         |         |
|       |   |                            |      |            |              |                         |      |            |              | -         | -         |         |
| 283   | Supplying and fixing of CP finish brass wall mounted towel ring at MGMH Petlaburi   | 6                          | No   | 873.00     | 5,238.00     | 6.00                    | No   | 873.00     | 5,238.00     | -         | -         |         |
|       |   |                            |      |            |              |                         |      |            |              | -         | -         |         |
| 284   | Supplying and fixing 15 mm brass body CP finish self closing tap push type conforming to IS 1711 as approved by the Engineer-In-Charge including cost and conveyance of all materials, labour charges, complete for finished item of work in all floors. at MGMH Petlaburi  | 6                          | No   | 418.00     | 2,508.00     | 6.00                    | No   | 418.00     | 2,508.00     | -         | -         |         |
|       |   |                            |      |            |              |                         |      |            |              | -         | -         |         |
|       |   |                            |      |            | 2,15,122.00  |                         |      | PART-A     | 1,36,951.00  | 7,086.00  | 85,257.00 |         |
|       | <b>ELECTRICAL WORKS</b>   |                            |      |            |              |                         |      |            |              |           |           |         |
| 293   | Supply and laying of ISI 25mm outer dia medium grade with IS:9537-part 3 rigid PVC pipe concealed in wall with all required PVC / Metallic Junction Boxes including masonry work and labour charges etc., Makes: Sudhakar/ Precision /Universal/ Modi / Million Plast. at MGMH  | 200                        | Rmt  | 116.00     | 23,200.00    | 200.00                  | Rmt  | 116.00     | 23,200.00    | -         | -         |         |
|       | <b>AE</b>   |                            |      |            |              | 263.50                  | Rmt  | 116.00     | 30,566.00    | 30,566.00 | -         |         |

| S. No | DESCRIPTION   | As Per Sanctioned Estimate |      |            |              | As Per Working Estimate |      |            |              | EXCESS      | LESS      | REMARKS |
|-------|---|----------------------------|------|------------|--------------|-------------------------|------|------------|--------------|-------------|-----------|---------|
|       |   | QTY                        | UNIT | RATE (Rs.) | AMOUNT (Rs.) | QTY                     | UNIT | RATE (Rs.) | AMOUNT (Rs.) |             |           |         |
| 294   | Supply and laying of ISI 25mm outer dia medium grade with IS:9537-part 3 rigid PVC pipe surface on wall with all required PVC / Metallic Junction Boxes including masonry work and labour charges etc., Makes: Sudhakar/ Precision /Universal/ Modi / Million Plast. at   | 450                        | Rmt  | 107.00     | 48,150.00    | 450.00                  | Rmt  | 107.00     | 48,150.00    | -           | -         |         |
|       | <b>AE</b>   |                            |      |            |              | 902.80                  | Rmt  | 107.00     | 96,600.00    | 96,600.00   | -         |         |
| 295   | Wiring with 2 runs of 22/0.3mm 1.5 Sq.mm FRLS / HFFR P.V.C. insulated flexible copper cable ISI MARK in existing pipe with 6A Modular switch, Ceiling rose/BH/SBH Modular switches with cover plate and GI switch box including all labour charges etc., complete. for Non- Residential Building Makes of wires: Finolex/ RR Cable/ Havells/ Polycab/ HPL. Makes of switches: - GM Four-Five / Legrand Arteor / Schneider Zen celo /Honeywell Blenge Plus/Gold Medal curve. at MGMH Petlaburj | 100                        | Pts  | 945.00     | 94,500.00    | 100.00                  | Pts  | 945.00     | 94,500.00    | -           | -         |         |
|       | <b>AE</b>   |                            |      |            |              | 158.00                  | Pts  | 945.00     | 1,49,310.00  | 1,49,310.00 | -         |         |
| 296   | Supply and fixing of 6A ISI Mark 3/2 pin Modular socket with 6A 1way Modular switch, 3 Module box with cover frame and GI switch box on common switch board with connections etc., complete. Makes of wires: Finolex/ RR Cable/ Havells/ Polycab/ HPL. Makes of switches: - GM Four-Five / Legrand Arteor / Schneider Zen celo /Honeywell Blenge Plus/Gold Medal  | 12                         | No   | 675.00     | 8,100.00     | 12.00                   | No   | 675.00     | 8,100.00     | -           | -         |         |
|       | <b>AE</b>   |                            |      |            |              | 21.00                   | No   | 675.00     | 14,175.00    | 14,175.00   | -         |         |
| 297   | Supply and fixing of 16A switches - 1Nos and 6/16A 2 in one socket - 1Nos Modular type with cover plate and GI switch box fixing on separate board including all labour charges etc., complete. Makes of switches: - GM Four- Five / Legrand Arteor / Schneider Zen celo /Honeywell Blenge Plus/Gold Medal curve. at MGMH Petlaburj   | 40                         | No   | 1,040.00   | 41,600.00    | 28.00                   | No   | 1,040.00   | 29,120.00    | -           | 12,480.00 |         |
|       |   |                            |      |            |              |                         |      |            |              | -           | -         |         |
| 298   | Supply and fixing of 16A/6A, 2 in one socket - 2 Nos with 16A switch control - 2 Nos modular type with and GI switch box with front cover plate including all labour charges etc., complete. Makes of switches: - GM Four- Five / Legrand Arteor / Schneider Zen celo /Honeywell Blenge Plus/Gold Medal curve. at MGMH Petlaburj  | 60                         | No   | 1,755.00   | 1,05,300.00  | 60.00                   | No   | 1,755.00   | 1,05,300.00  | -           | -         |         |
|       | <b>AE</b>   |                            |      |            |              | 17.00                   | No   | 1,755.00   | 29,835.00    | 29,835.00   | -         |         |
| 299   | Supply and fixing of 16A/6A, 2 in one socket - 4 Nos with 16A switch control - 4 Nos modular type with and GI switch box with front cover plate including all labour charges etc., complete. Makes of switches: - GM Four- Five / Legrand Arteor / Schneider Zen celo /Honeywell Blenge Plus/Gold Medal curve. at MGMH Petlaburj  | 10                         | No   | 3,092.00   | 30,920.00    | 0.00                    | No   | 3,092.00   |              | -           | 30,920.00 |         |
|       |   |                            |      |            |              |                         |      |            |              | -           | -         |         |
| 300   | Supply and run of 1 of 22 /0.3mm 1.5 Sq.mm FRLS / HFFR P.V.C. insulated flexible copper cable in existing conduit pipe for earth continuity including all labour charges etc., complete. Makes of wires: Finolex/ RR Cable/ Havells/ Polycab/ HPL. at MGMH Petlaburi  | 350                        | Rmt  | 40.00      | 14,000.00    | 350.00                  | Rmt  | 40.00      | 14,000.00    | -           | -         |         |
|       | <b>AE</b>   |                            |      |            |              | 29.60                   | Rmt  | 40.00      | 1,184.00     | 1,184.00    | -         |         |



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| S. No | DESCRIPTION   | As Per Sanctioned Estimate |      |            |              | As Per Working Estimate |      |            |              | EXCESS      | LESS      | REMARKS |
|-------|---|----------------------------|------|------------|--------------|-------------------------|------|------------|--------------|-------------|-----------|---------|
|       |   | QTY                        | UNIT | RATE (Rs.) | AMOUNT (Rs.) | QTY                     | UNIT | RATE (Rs.) | AMOUNT (Rs.) |             |           |         |
| 306   | Supply and fixing of 4 Way TPN DB Horizontal with IP 43 Protection as per IS:13032 Makes: Legrand / Schneider and Supply and Fixing of 1 No., of 40A FP 30mA RCCB as incomer and 12 Nos 6-32 A 10kA SP MCBs Makes: Legrand-DX3 / Schneider-Acti9 as out goings including internal connections and labour charges for FLUSH Mounting etc., complete. For Lighting DBs at MGMH Petlaburj  | 3                          | No   | 18,325.00  | 54,975.00    | 3.00                    | No   | 18,325.00  | 54,975.00    | -           | -         |         |
|       | <b>AE</b>   |                            |      |            |              | 7.00                    | No   | 18,325.00  | 1,28,275.00  | 1,28,275.00 | -         |         |
| 307   | Supply and fixing of 8 Way TPN DB Horizontal with IP 43 Protection as per IS:13032 Makes: Legrand / Schneider and Supply and Fixing of 1 No., of 63A FP 100mA RCCB as incomer and 24 Nos 6-32 A 10kA SP MCBs Makes: Legrand-DX3 / Schneider-Acti9 as out goings including internal connections and labour charges for FLUSH Mounting etc., complete. For Lighting DBs at MGMH Petlaburj   | 2                          | No   | 28,460.00  | 56,920.00    | 0.00                    | No   | 28,460.00  |              | -           | 56,920.00 |         |
|       |   |                            |      |            |              |                         |      |            |              | -           | -         |         |
| 308   | Supply and fixing of 8 Way VTPN DB Horizontal with IP 43 Protection as per IS:13032 Makes: Legrand / Schneider and Supply and Fixing of 1 No., of 100A FP 10KA MCB as incomer and 4 Nos 63 A 10kA TP MCBs, 4 Nos 40 A 10kA TP MCBs Makes: Legrand-DX3 / Schneider-Acti9 as out goings including internal connections and labour charges for FLUSH Mounting etc., complete. For UPS MDB DBs at MGMH Petlaburi  | 1                          | No   | 64,067.00  | 64,067.00    | 1.00                    | No   | 64,067.00  | 64,067.00    | -           | -         |         |
|       |   |                            |      |            |              |                         |      |            |              | -           | -         |         |
| 309   | Providing and fixing of 125A 25KA TPN Thermal Magnetic Release Based MCCB and Terminal Spreaders in Existing panel board with 1 No. and 1 Set of Indication Lamps, LED type, R,Y,B and breaker ON , OFF, TRIP and spring charged lamps. and replace with above Mentioned with required Drilling Holes, removing and Making Busbar connections etc, as required. Makes: Legrand / Schneider/ABB/LandT/CandS at MGMH  | 1                          | No   | 28,883.00  | 28,883.00    | 1.00                    | No   | 28,883.00  | 28,883.00    | -           | -         |         |
|       |   |                            |      |            |              |                         |      |            |              | -           | -         |         |
| 310   | Providing and fixing of 100A 10KA FP MCB and Terminal Spreaders in IP 43 isolator Box Making connections etc, as required. Makes: Legrand / Schneider/ABB/LandT/ CandS at MGMH Petlaburj  | 2                          | No   | 3,260.00   | 6,520.00     | 0.00                    | No   | 3,260.00   |              | -           | 6,520.00  |         |
|       |   |                            |      |            |              |                         |      |            |              | -           | -         |         |
| 311   | Supply, transportation and fixing of 24W edge lit LED Down light Square Housing Made of Aluminum alloy with corrosion resistant powder coat, with high efficiency acrylic wide diffuser Square with Protruded high efficiency diffuser, IP20, with wide operating voltage range, Power factor greater than 0.9, Surge protection: greater than 2KV, System efficacy of greater than 100 lumens/watt, CCT: 3000K - 6500K as desired by the department and as per IS, CRI greater than 80, and THD is less than 15percentage etc., with BIS Certification. Makes: Phillips / OSRAM / Wipro / Crompton / Bajaj / Havells at MGMH Petlaburj | 50                         | No   | 2,652.00   | 1,32,600.00  | 50.00                   | No   | 2,652.00   | 1,32,600.00  | -           | -         |         |
|       | <b>AE</b>   |                            |      |            |              | 41.00                   | No   | 2,652.00   | 1,08,732.00  | 1,08,732.00 | -         |         |

| S. No | DESCRIPTION   | As Per Sanctioned Estimate |      |            |              | As Per Working Estimate |      |            |              | EXCESS      | LESS      | REMARKS |
|-------|---|----------------------------|------|------------|--------------|-------------------------|------|------------|--------------|-------------|-----------|---------|
|       |   | QTY                        | UNIT | RATE (Rs.) | AMOUNT (Rs.) | QTY                     | UNIT | RATE (Rs.) | AMOUNT (Rs.) |             |           |         |
| 312   | Supply and Transportation 36W Edge lit, 2 feet x2 feet 600mm x600mm slim panel LED luminaire Square Housing Made of Aluminum alloy with corrosion resistant powder coat, with high efficiency acrylic wide diffuser, with wide operating voltage range, Power factor greater than 0.9, Surge protection greater than 2KV, System efficacy of greater than100 lumens/watt, CCT: 3000K - 6500K as desired by the department, CRI greater than 80, and THD is less than 15percentage etc., complete. Makes: Phillips / OSRAM / Wipro / Crompton / Bajaj / Havells at MGMH Petlaburi  | 30                         | No   | 4,350.00   | 1,30,500.00  | 30.00                   | No   | 4,350.00   | 1,30,500.00  | -           | -         |         |
|       | AE  |                            |      |            |              | 30.00                   | No   | 4,350.00   | 1,30,500.00  | 1,30,500.00 | -         |         |
| 313   | Supply and Transportation 42W Clean room Light fixture, 2 feet x2 feet 600mm x600mm LED luminaire CRCA powder coated white after phosphocreatine treatment provided as standard. with high efficiency acrylic wide diffuser, with wide operating voltage range, Power factor greater than 0.9, Surge protection greater than 2KV, System efficacy of greater than100 lumens/watt, CCT: 3000K - 6500K as desired by the department, CRI greater than 80, and THD is less than 15percentage etc., complete. MAKE: OSRAM / Wipro / Crompton / Bajaj /  | 12                         | No   | 4,762.00   | 57,144.00    | 0.00                    | No   | 4,762.00   |              | -           | 57,144.00 |         |
|       |   |                            |      |            |              |                         |      |            |              | -           | -         |         |
| 314   | Supply and fixing of ISI mark batten holder / slanting holder Makes : Anchor/ Gold Medal Olive / Million Zoom in lieu of ceiling rose of light point complete with all connections and all labour charges with 5.0W LED Lamp MAKE: OSRAM / Wipro / Crompton / Bajaj / Havells at  | 5                          | No   | 184.00     | 920.00       | 0.00                    | No   | 184.00     |              | -           | 920.00    |         |
|       |   |                            |      |            |              |                         |      |            |              | -           | -         |         |
| 315   | Supply, Transportation of energy efficient fan, 1200 mm sweep, aluminium body, consuming 28 W, BEE 5 star rated, ceiling fan with Brush Less Direct Current BLDCmotor, class of insulation: B, 3 nos blades, 30 cm long down rod, 2 nos canopies, shackle kit, safety rope, copper winding, Power Factor greater than 0.90, Service Value CMMAV greater than 8.5, Air delivery minimum 235 CMM,350 RPM tolerance as per IS:374-2019, THD less than 10percentage. with remote or compatible to electronic step type regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise equal to75 degree Cmax, insulation resistance more than 2 mega ohm, suitable for 230V, 50 HZ, single phase AC supply, earthing etc., including all standard accessories etc., complete. Makes : Atomberg Efficio / Havells /Orient at MGMH | 12                         | No   | 4,090.00   | 49,080.00    | 0.00                    | No   | 4,090.00   |              | -           | 49,080.00 |         |
|       |   |                            |      |            |              |                         |      |            |              | -           | -         |         |
| 316   | Supply and fixing of Modular type Stepped electronic regulator Makes : GM Four-Five / Legrand Arteor / Schneider Zen celo /Honeywell Blenge Plus/ Cabtree Verna/ Million logus / Gold Medal Curve for sweep AC ceiling fans of 1200mm / 1400mm complete with  | 12                         | No   | 827.00     | 9,924.00     | 12.00                   | No   | 827.00     | 9,924.00     | -           | -         |         |
|       | AE  |                            |      |            |              | 16.00                   | No   | 827.00     | 13,232.00    | 13,232.00   | -         |         |
| 317   | Supply and installation of 225mm Light duty exhaust fan with metal blades etc complete Makes: Crompton / Havells Ventilair-DB/ Orient hill air. at MGMH Petlaburi   | 6                          | No   | 2,203.00   | 13,218.00    | 6.00                    | No   | 2,203.00   | 13,218.00    | -           | -         |         |
|       | AE  |                            |      |            |              | 2.00                    | No   | 2,203.00   | 4,406.00     | 4,406.00    | -         |         |

| S. No | DESCRIPTION  | As Per Sanctioned Estimate |      |             |              | As Per Working Estimate |      |             |              | EXCESS      | LESS | REMARKS |
|-------|--|----------------------------|------|-------------|--------------|-------------------------|------|-------------|--------------|-------------|------|---------|
|       |  | QTY                        | UNIT | RATE (Rs.)  | AMOUNT (Rs.) | QTY                     | UNIT | RATE (Rs.)  | AMOUNT (Rs.) |             |      |         |
| 318   | SITC of Hot dip galvanized perforated cable tray of 100 mm Wide sizes for to run the cable from DBs to SBs and sockets and AC panel to Units units. All necessary supports and accessories are included. Cable tray for cables alone shall be included here Thickness shall be 1.6 mm. at MGMH Petlaburi   | 70                         | Rmt  | 429.00      | 30,030.00    | 70.00                   | Rmt  | 429.00      | 30,030.00    | -           | -    |         |
|       | AE   |                            |      |             |              | 9.00                    | Rmt  | 429.00      | 3,861.00     | 3,861.00    | -    |         |
| 319   | SITC of Hot dip galvanized perforated cable tray of 300 mm Wide sizes for to run the cable from Floor Panel to Lab Panel and electrical room to AC panel and AC panel to Units. All necessary supports and accessories are included. Cable tray for cables alone shall be included here Thickness shall be 1.6 mm. at MGMH Petlaburj   | 80                         | Rmt  | 1,310.00    | 1,04,800.00  | 80.00                   | Rmt  | 1,310.00    | 1,04,800.00  | -           | -    |         |
|       | AE   |                            |      |             |              | 22.50                   | Rmt  | 1,310.00    | 29,475.00    | 29,475.00   | -    |         |
| 320   | Supply and installation of 20KVA 3ph in and 3ph out on line UPS system IGBT based rectifier with input power factor correction 32 bit microprocessor based with isolation transformers double conversion, SNMP controls, LCD display, Pure sine wave output, with auto static switch three phase input / Three phase output and modular structure for better thermal technology / cooling facility, with warranty up to three years.Makes: APC / Numeric / Emerson / Fuji Electric at MGMH Petlaburj | 1                          | No   | 3,05,000.00 | 3,05,000.00  | 1.00                    | No   | 3,05,000.00 | 3,05,000.00  | -           | -    |         |
|       |  |                            |      |             |              |                         |      |             |              | -           | -    |         |
| 321   | Supply and fixing of 12V 65 AH SMF battery including wire leads. Makes: Quanta / Racket / Exide. at MGMH Petlaburj   | 20                         | No   | 20,584.00   | 4,11,680.00  | 20.00                   | No   | 20,584.00   | 4,11,680.00  | -           | -    |         |
|       | AE   |                            |      |             |              | 12.00                   | No   | 20,584.00   | 2,47,008.00  | 2,47,008.00 | -    |         |
| 322   | Supply and providing of UPS cum battery rack for 20 batteries at MGMH Petlaburj  | 1                          | No   | 6,764.00    | 6,764.00     | 1.00                    | No   | 6,764.00    | 6,764.00     | -           | -    |         |
|       |  |                            |      |             |              |                         |      |             |              | -           | -    |         |
| 323   | Providing and Fixing maintenance free earthing which consists of G.I. Earth station, with 600X600X3.15mm GI Plate at 2500mm Depth including construction of brick pedestal, providing meshed funnel, GI cover and other civil Engineering works, spreading a homogenous mixture of salt, charcoal around the pipe etc., completely as per IS 3043, 1987 or latest revision. Earthing testing should be done as per IE Rules like Earth valve test Etc. at MGMH                                       | 2                          | No   | 8,500.00    | 17,000.00    | 2.00                    | No   | 8,500.00    | 17,000.00    | -           | -    |         |
|       |  |                            |      |             |              |                         |      |             |              | -           | -    |         |
| 324   | Providing and Fixing maintenance free earthing which consists of copper. Earth station, with 600X600X3.15mm Copper Plate at 2500mm Depth including construction of brick pedestal, providing meshed funnel, GI cover and other civil Engineering works, spreading a homogenous mixture of salt, charcoal around the pipe etc., completely as per IS 3043, 1987 or latest revision. Earthing testing should be done as per IE Rules like Earth valve test Etc. at MGMH Petlaburj                      | 2                          | No   | 22,283.00   | 44,566.00    | 2.00                    | No   | 22,283.00   | 44,566.00    | -           | -    |         |
|       | AE   |                            |      |             |              | 2.00                    | No   | 22,283.00   | 44,566.00    | 44,566.00   | -    |         |
| 325   | Supply and installation of 50x6 GI flat for body earthing of electrical panel and AC Panel which is laid in 300mm cable tray at MGMH Petlaburj   | 200                        | Rmt  | 329.00      | 65,800.00    | 200.00                  | Rmt  | 329.00      | 65,800.00    | -           | -    |         |
|       | AE   |                            |      |             |              | 17.30                   | Rmt  | 329.00      | 5,692.00     | 5,692.00    | -    |         |

| S.<br>No | DESCRIPTION   | As Per Sanctioned Estimate |      |            |              | As Per Working Estimate |      |            |              | EXCESS   | LESS      | REMARKS |
|----------|---|----------------------------|------|------------|--------------|-------------------------|------|------------|--------------|----------|-----------|---------|
|          |   | QTY                        | UNIT | RATE (Rs.) | AMOUNT (Rs.) | QTY                     | UNIT | RATE (Rs.) | AMOUNT (Rs.) |          |           |         |
| 326      | Supply and installation of 25x3 GI flat for body earthing of DBs and Cable tray which is laid in 100mm cable tray at MGMH Petlaburi       | 100                        | Rmt  | 163.00     | 16,300.00    | 0.00                    | Rmt  | 163.00     |              | -        | 16,300.00 |         |
|          |   |                            |      |            |              |                         |      |            |              | -        | -         |         |
| 327      | Supply and installation of 25x3 Copper flat for Neutral earthing of UPS and Equipment which is laid in 100mm cable tray at MGMH Petlaburi | 200                        | Rmt  | 902.00     | 1,80,400.00  | 200.00                  | Rmt  | 902.00     | 1,80,400.00  | -        | -         |         |
|          | <b>AE</b>   |                            |      |            |              | 7.30                    | Rmt  | 902.00     | 6,585.00     | 6,585.00 | -         |         |

| S. No | DESCRIPTION  | As Per Sanctioned Estimate |      |            |              | As Per Working Estimate |      |            |              | EXCESS    | LESS | REMARKS |
|-------|--|----------------------------|------|------------|--------------|-------------------------|------|------------|--------------|-----------|------|---------|
|       |  | QTY                        | UNIT | RATE (Rs.) | AMOUNT (Rs.) | QTY                     | UNIT | RATE (Rs.) | AMOUNT (Rs.) |           |      |         |
| 328   | Supply and installation of 4 sqmm Copper wire for Earthing of DBs Equipment at MGMH Petlaburj  | 80                         | Rmt  | 83.00      | 6,640.00     | 80.00                   | Rmt  | 83.00      | 6,640.00     | -         | -    |         |
|       | <b>AE</b>  |                            |      |            |              | 370.60                  | Rmt  | 83.00      | 30,760.00    | 30,760.00 | -    |         |
| 329   | Supply, Lying and testing of 3.5Cx95 sqmm XLPE Insulated Cable 1100V grade armoured aluminium cable with ISI mark as per specification confirming to IS:7098 Part - I with heavy duty type double compression weather proof type brass cable glands duly nickel plated as per BS 6121 and IP66 complete with brass checknut, outer sheath sealing gasket heavy duty long barrel aluminium lugs confirming to I.S specifications with complete nut, bolt and washer etc.. Make of Cable: Polycab/ KEI/Universal/Glostar/Finolex. Make of gland and Lungs: HMI/Commet/Dowell's at MGMH | 120                        | Rmt  | 1,207.00   | 1,44,840.00  | 120.00                  | Rmt  | 1,207.00   | 1,44,840.00  | -         | -    |         |
|       | <b>AE</b>  |                            |      |            |              | 60.00                   | Rmt  | 1,207.00   | 72,420.00    | 72,420.00 | -    |         |
| 330   | Supply, Lying and testing of 3.5CX50 sqmm XLPE Insulated Cable 1100V grade armoured aluminium cable with ISI mark as per specification confirming to IS:7098 Part - I with heavy duty type double compression weather proof type brass cable glands duly nickel plated as per BS 6121 and IP66 complete with brass checknut, outer sheath sealing gasket heavy duty long barrel aluminium lugs confirming to I.S specifications with complete nut, bolt and washer etc.. Make of Cable: Polycab/ KEI/Universal/Glostar/Finolex Make of gland   | 70                         | Rmt  | 722.00     | 50,540.00    | 70.00                   | Rmt  | 722.00     | 50,540.00    | -         | -    |         |
|       | <b>AE</b>  |                            |      |            |              | 110.00                  | Rmt  | 722.00     | 79,420.00    | 79,420.00 | -    |         |
| 331   | Supply, Lying and testing of 4Cx16 sqmm PVC Insulated Cable 1100V grade armoured Copper cable with ISI mark as per specification confirming to IS:7098 Part - I with heavy duty type double compression weather proof type brass cable glands duly nickel plated as per BS 6121 and IP66 complete with brass checknut, outer sheath sealing gasket heavy duty long barrel aluminium lugs confirming to I.S specifications with complete nut, bolt and washer etc.. Make of Cable: Polycab/ KEI/Universal/Glostar/Finolex Make of gland and Lungs:                                    | 100                        | Rmt  | 1,483.00   | 1,48,300.00  | 100.00                  | Rmt  | 1,483.00   | 1,48,300.00  | -         | -    |         |
|       | <b>AE</b>  |                            |      |            |              | 60.40                   | Rmt  | 1,483.00   | 89,573.00    | 89,573.00 | -    |         |

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| S. No | DESCRIPTION  | As Per Sanctioned Estimate |      |             |              | As Per Working Estimate |      |             |              | EXCESS       | LESS        | REMARKS |
|-------|--|----------------------------|------|-------------|--------------|-------------------------|------|-------------|--------------|--------------|-------------|---------|
|       |  | QTY                        | UNIT | RATE (Rs.)  | AMOUNT (Rs.) | QTY                     | UNIT | RATE (Rs.)  | AMOUNT (Rs.) |              |             |         |
| 335   | SITC of IVF center AC Panel outdoor IP-54 wall/ free standing floor mounted dust and vermin proof compartmentalized cubical panel made out of CRCA sheet, required hardware, duly treated for de-rusting in 7 tank process with de-phosphate and with powder coating on both side of panel in desired shade. The panel having PU/ Neoprene rubber gasket of not less than 3mm thickness, separate detachable gland plate M.S. base channel, hinged door with locking arrangement for equipment/switchgear. Thickness of sheet shall not be less than 1.6 mm up to 600 mm length / width of any compartment and be of 2.0 mm above 600 mm. Load bearing structure shall be of 2.0 mm thick sheet supported by base M.S. channel if required. Side walls and cable alley compartments having bolted type doors with / without detachable extension type structure with all type of suitable switching accessories and bus-bar as per load requirement of respective AC equipment's. Which is including 1 nos. AHU's stater with VFD by | 1                          | No   | 2,70,000.00 | 2,70,000.00  | 1.00                    | No   | 2,70,000.00 | 2,70,000.00  | -            | -           |         |
|       |  |                            |      |             |              |                         |      |             |              | -            | -           |         |
| 336   | Supply and installation of AHUs stater on/off push button station for Remote control for inside IVF center with control wiring from AC panel to on /off push button station with necessary items. at MGMH Petlaburi  | 3                          | No   | 1,540.00    | 4,620.00     | 0.00                    | No   | 1,540.00    |              | -            | 4,620.00    |         |
|       |  |                            |      |             |              |                         |      |             |              | -            | -           |         |
|       |  |                            |      |             | 37,19,411.00 |                         |      | PART-A      | 56,41,335.00 | 21,69,638.00 | 2,47,714.00 |         |
|       | <b>ELV WORKS</b>   |                            |      |             |              |                         |      |             |              |              |             |         |
| 337   | Supply, installation, testing and commissioning of 20nos LAN points with cat 6 cable and with suitable network rack and 5nos of telephone points with krone box to existing EPABEX. at MGMH Petlaburi  | 1                          | Job  | 3,83,000.00 | 3,83,000.00  | 1.00                    | Job  | 3,83,000.00 | 3,83,000.00  | -            | -           |         |
|       |  |                            |      |             |              |                         |      |             |              | -            | -           |         |
| 338   | Supply, installation, testing and commissioning of 1 no of Access control system with egress switch, Power Cable, communication cable to control panel with necessary required items Etc. at MGMH Petlaburi  | 1                          | Job  | 1,24,000.00 | 1,24,000.00  | 1.00                    | Job  | 1,24,000.00 | 1,24,000.00  | -            | -           |         |
|       |  |                            |      |             |              |                         |      |             |              | -            | -           |         |
| 340   | Supply, installation, testing and commissioning of 5nos IP Based CCTV cameras and Cat 6 Cable with NVR system. at MGMH Petlaburi   | 1                          | Job  | 1,82,000.00 | 1,82,000.00  | 1.00                    | Job  | 1,82,000.00 | 1,82,000.00  | -            | -           |         |
|       |  |                            |      |             |              |                         |      |             |              | -            | -           |         |
|       |  |                            |      |             | 6,89,000.00  |                         |      | PART-A      | 6,89,000.00  | -            | -           |         |



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| S. No | DESCRIPTION   | As Per Sanctioned Estimate |      |             |              | As Per Working Estimate |      |             |              | EXCESS    | LESS        | REMARKS |
|-------|---|----------------------------|------|-------------|--------------|-------------------------|------|-------------|--------------|-----------|-------------|---------|
|       |   | QTY                        | UNIT | RATE (Rs.)  | AMOUNT (Rs.) | QTY                     | UNIT | RATE (Rs.)  | AMOUNT (Rs.) |           |             |         |
| 366   | Supply, laying of Class O Nitrile rubber with factory laminated Glass cloth, all joints shall be covered with self-adhesive tapes <b>32mm Thick</b> for Exposed Supply Air duct and finished with UV Protective Paint. at MGMH Petlaburi  | 130                        | Sqm  | 1,225.00    | 1,59,250.00  | 45.79                   | Sqm  | 1,225.00    | 56,093.00    | -         | 1,03,157.00 |         |
|       |   |                            |      |             |              |                         |      |             |              | -         | -           |         |
| 367   | Supply, laying of Class O Nitrile rubber with factory laminated Glass cloth, all joints shall be covered with self-adhesive tapes <b>25mm Thick</b> for Exposed Return Air Duct and finished with UV Protective Paint. at MGMH Petlaburi  | 130                        | Sqm  | 1,075.00    | 1,39,750.00  | 103.32                  | Sqm  | 1,075.00    | 1,11,069.00  | -         | 28,681.00   |         |
|       |   |                            |      |             |              |                         |      |             |              | -         | -           |         |
| 368   | Supply, laying of Class O Nitrile rubber with factory laminated Glass cloth, all joints shall be covered with self-adhesive tapes <b>25mm Thick</b> for Supply air duct running inside the building. at MGMH Petlaburi  | 40                         | Sqm  | 785.00      | 31,400.00    | 40.00                   | Sqm  | 785.00      | 31,400.00    | -         | -           |         |
|       | <b>AE</b>   |                            |      |             |              | 36.70                   | Sqm  | 785.00      | 28,810.00    | 28,810.00 | -           |         |
| 369   | Supply, laying of Class O Nitrile rubber with factory laminated Glass cloth, all joints shall be covered with self-adhesive tapes <b>19mm Thick</b> for Return air running inside the building. at MGMH Petlaburi   | 40                         | Sqm  | 660.00      | 26,400.00    | 40.00                   | Sqm  | 660.00      | 26,400.00    | -         | -           |         |
|       | <b>AE</b>   |                            |      |             |              | 57.49                   | Sqm  | 660.00      | 37,943.00    | 37,943.00 | -           |         |
| 370   | Condensing units - VRF/VRV System : Supply, Installation, Nitrogen testing, Vacuuming and Commissioning of air cooled variable refrigerant flow modular type condensing units, each comprising of multiple scroll compressors all inverter driven, full charge of refrigerant gas R-410a including additional gas filling, lubricating oil and all accessories as per the specifications. The condensing units shall be suitable to work on cooling mode. The minimum Energy Efficiency Ratio shall be as per ASHRAE STANDARDS 90.1 -2001 table 6.2.1B . The COP of the system shall be greater than 4 under ARI conditions for 100percentage load . The condensing units shall be suitable for operation on 415 plus or minus 10percentage volts, 50Hz, 3 phase AC power supply and , outdoor units to be mounted on MS platform with suitable Vibration Isolation pads to avoid vibrations. All the supports and angle base frame structure to be duly black painted with synthetic epoxy paint. the condensing units shall be of following capacities: The VRF ODU should be capable of working with total capacity of connected indoor units ranging between 100percentage to 140percentage of ODU capacity . COP minimum 3.5. Make : Daikin / LG / O General / Toshiba at MGMH Petlaburj 16 HP | 1                          | Set  | 3,71,875.00 | 3,71,875.00  | 0.00                    | Set  | 3,71,875.00 |              | -         | 3,71,875.00 |         |
|       |   |                            |      |             |              |                         |      |             |              | -         | -           |         |
| 371   | VRF Indoor Units : Hi wall Splits : Supply, Installation, Testing and Commissioning of variable refrigerant flow modular type indoor units wired/wireless remote suitable for R410a refrigerant comprising of all accessories as per the specifications. The indoor units shall be suitable to work on cooling.The minimum Energy Efficiency Ratio shall be as per ASHRAE STANDARDS 90.1 -2001 table 6.2.1B. The indoor units shall be suitable for operation on 220 plus or minus 6percentage volts. 50Hz 1 phase AC power supply 0.8 TR at MGMH   | 2                          | No   | 30,700.00   | 61,400.00    | 2.00                    | No   | 30,700.00   | 61,400.00    | -         | -           |         |

| S. No | DESCRIPTION   | As Per Sanctioned Estimate |      |             |              | As Per Working Estimate |      |             |              | EXCESS    | LESS        | REMARKS |
|-------|---|----------------------------|------|-------------|--------------|-------------------------|------|-------------|--------------|-----------|-------------|---------|
|       |   | QTY                        | UNIT | RATE (Rs.)  | AMOUNT (Rs.) | QTY                     | UNIT | RATE (Rs.)  | AMOUNT (Rs.) |           |             |         |
|       |   |                            |      |             |              |                         |      |             |              | -         | -           |         |
| 372   | VRF Indoor Units : Hi wall Splits : Supply, Installation, Testing and Commissioning of variable refrigerant flow modular type indoor units wired/wireless remote suitable for R410a refrigerant comprising of all accessories as per the specifications. The indoor units shall be suitable to work on cooling. The minimum Energy Efficiency Ratio shall be as per ASHRAE STANDARDS 90.1 -2001 table 6.2.1B. The indoor units shall be suitable for operation on 220 plus or minus 6percentage volts, 50Hz, 1 phase AC power supply. 1.0 TR at MGMH Petlaburi  | 3                          | No   | 30,700.00   | 92,100.00    | 3.00                    | No   | 30,700.00   | 92,100.00    | -         | -           |         |
|       | AE  |                            |      |             |              | 3.00                    | No   | 30,700.00   | 92,100.00    | 92,100.00 | -           |         |
| 373   | VRF Indoor Units : Hi wall Splits : Supply, Installation, Testing and Commissioning of variable refrigerant flow modular type indoor units wired/wireless remote suitable for R410a refrigerant comprising of all accessories as per the specifications. The indoor units shall be suitable to work on cooling. The minimum Energy Efficiency Ratio shall be as per ASHRAE STANDARDS 90.1 -2001 table 6.2.1B. The indoor units shall be suitable for operation on 220 plus or minus 6percentage volts, 50Hz, 1 phase AC power supply. 1.5 TR at MGMH Petlaburi  | 4                          | No   | 35,000.00   | 1,40,000.00  | 4.00                    | No   | 35,000.00   | 1,40,000.00  | -         | -           |         |
|       | AE  |                            |      |             |              | 2.00                    | No   | 35,000.00   | 70,000.00    | 70,000.00 | -           |         |
| 374   | Cassette Units : Supply, Installation, Testing and Commissioning of variable refrigerant flow modular type indoor units wired/wireless remote suitable for R410a refrigerant comprising of all accessories as per the specifications. The indoor units shall be suitable to work on cooling mode. The minimum Energy Efficiency Ratio shall be as per ASHRAE STANDARDS 90.1 - 2001 table 6.2.1B. The indoor units shall be suitable for operation on 220 plus or minus 6percentage volts, 50Hz, 1 phase AC power supply. 3.0 TR – 4 way at MGMH Petlaburi   | 2                          | No   | 50,000.00   | 1,00,000.00  | 0.00                    | No   | 50,000.00   |              | -         | 1,00,000.00 |         |
|       |   |                            |      |             |              |                         |      |             |              | -         | -           |         |
| 375   | Supply, Installation, Testing and Commissioning of Hard copper REFRIGERANT PIPING of 16swg various sizes with necessary supports, fittings, interconnecting the liquid and suction lines between the aircooled outdoor units and the indoor units. The piping shall be carried out of Hard drawn copper pipes of type K with soldered / brazed socket fittings. Isolating valves shall be provided to isolate each compressor, strainers, sight glass and any other component requiring proper operation and maintenance. Both the suction and liquid lines shall be insulated with 19mm thick closed cell insulation for above 25mm dia , 13mm thick for pipes below 25mm dia . The insulation finished with treated woven glass fiber | 1                          | Lot  | 4,00,000.00 | 4,00,000.00  | 1.00                    | Lot  | 4,00,000.00 | 4,00,000.00  | -         | -           |         |
|       |   |                            |      |             |              |                         |      |             |              | -         | -           |         |
| 376   | Supply, Installation , Testing and Commissioning of Refnet joints to be provided in refrigerant pipe line. Material of construction for fittings shall be similar to refrigerant piping at MGMH Petlaburi   | 10                         | Set  | 6,191.00    | 61,910.00    | 10.00                   | Set  | 6,191.00    | 61,910.00    | -         | -           |         |
|       | AE  |                            |      |             |              | 5.00                    | Set  | 6,191.00    | 30,955.00    | 30,955.00 | -           |         |

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| S. No | DESCRIPTION   | As Per Sanctioned Estimate |      |             |              | As Per Working Estimate |      |             |              | EXCESS    | LESS      | REMARKS |
|-------|---|----------------------------|------|-------------|--------------|-------------------------|------|-------------|--------------|-----------|-----------|---------|
|       |   | QTY                        | UNIT | RATE (Rs.)  | AMOUNT (Rs.) | QTY                     | UNIT | RATE (Rs.)  | AMOUNT (Rs.) |           |           |         |
| 383   | SITC of N20 Outlets with matching probes, as per HTM-2022/02-01 of UK/NFPA99C of USA as per enclosed technical specifications - Imported at MGMH Petlaburi    | 4                          | each | 2,506.00    | 10,024.00    | 4.00                    | each | 2,506.00    | 10,024.00    | -         | -         |         |
|       |   |                            |      |             |              |                         |      |             |              | -         | -         |         |
| 384   | SITC of C02 Manifold for 2 Cylinders, with high pressure Regulator, NRV, tailpipes etc. as per technical specifications at MGMH Petlaburi                     | 1                          | Set  | 20,750.00   | 20,750.00    | 1.00                    | Set  | 20,750.00   | 20,750.00    | -         | -         |         |
|       | AE  |                            |      |             |              | 1.00                    | Set  | 20,750.00   | 20,750.00    | 20,750.00 | -         |         |
|       |   |                            |      |             |              |                         |      |             |              | -         | -         |         |
| 385   | SITC of C02 Outlets with matching probes, as per HTM-2022/02-01 of UK/NFPA99C of USA as per enclosed technical specifications - Imported at MGMH Petlaburi    | 4                          | each | 2,506.00    | 10,024.00    | 4.00                    | each | 2,506.00    | 10,024.00    | -         | -         |         |
|       |   |                            |      |             |              |                         |      |             |              | -         | -         |         |
| 386   | SITC of MEDICAL Grade BS EN: 13348 Kite Marked 12mm COPPER PIPE at MGMH Petlaburi   | 24                         | Rmt  | 642.00      | 15,408.00    | 21.70                   | Rmt  | 642.00      | 13,931.00    | -         | 1,477.00  |         |
|       |   |                            |      |             |              |                         |      |             |              | -         | -         |         |
| 387   | SITC of MEDICAL Grade BS EN: 13348 Kite Marked 15mm COPPER PIPE at MGMH Petlaburi   | 114                        | Rmt  | 824.00      | 93,936.00    | 114.00                  | Rmt  | 824.00      | 93,936.00    | -         | -         |         |
|       | AE  |                            |      |             |              | 87.23                   | Rmt  | 824.00      | 71,878.00    | 71,878.00 | -         |         |
| 388   | SITC of MEDICAL Grade BS EN: 13348 Kite Marked 22mm COPPER PIPE at MGMH Petlaburi   | 36                         | Rmt  | 1,191.00    | 42,876.00    | 36.00                   | Rmt  | 1,191.00    | 42,876.00    | -         | -         |         |
|       | AE  |                            |      |             |              | 42.65                   | Rmt  | 1,191.00    | 50,796.00    | 50,796.00 | -         |         |
| 389   | SITC of MEDICAL Grade BS EN: 13348 Kite Marked 28mm COPPER PIPE at MGMH Petlaburi   | 18                         | Rmt  | 1,473.00    | 26,514.00    |                         | Rmt  | 1,473.00    |              | -         | 26,514.00 |         |
|       |   |                            |      |             |              |                         |      |             |              | -         | -         |         |
| 390   | SITC of Touch type LCD Area Alarm and Zonal Valve box- as per HTM 2022/02-01/ NFPA99C as per enclosed technical specifications imported for 3 gases at MGMH   | 1                          | each | 2,75,000.00 | 2,75,000.00  | 1.00                    | each | 2,75,000.00 | 2,75,000.00  | -         | -         |         |
|       |   |                            |      |             |              |                         |      |             |              | -         | -         |         |
| 391   | SITC of Touch type LCD Area Alarm and Zonal Valve box- as per HTM 2022/02-01/ NFPA99C as per enclosed technical specifications imported for Master Main Alarm | 1                          | each | 3,75,000.00 | 3,75,000.00  | 1.00                    | each | 3,75,000.00 | 3,75,000.00  | -         | -         |         |
|       |   |                            |      |             |              |                         |      |             |              | -         | -         |         |
| 392   | SITC of Medical Line Valve, As per CE Certified/UL Listed, As per Technical Specifications- Indian 15mm OD at MGMH Petlaburi                                  | 3                          | each | 1,938.00    | 5,814.00     | 3.00                    | each | 1,938.00    | 5,814.00     | -         | -         |         |
|       |   |                            |      |             |              |                         |      |             |              | -         | -         |         |
| 393   | SITC of Medical Line Valve, As per CE Certified/UL Listed, As per Technical Specifications- Indian 22mm OD at MGMH Petlaburi                                  | 3                          | each | 2,740.00    | 8,220.00     | 3.00                    | each | 2,740.00    | 8,220.00     | -         | -         |         |



| S.<br>No | DESCRIPTION  | As Per Sanctioned Estimate |      |            |                | As Per Working Estimate |      |            |                | EXCESS       | LESS         | REMARKS |
|----------|--|----------------------------|------|------------|----------------|-------------------------|------|------------|----------------|--------------|--------------|---------|
|          |  | QTY                        | UNIT | RATE (Rs.) | AMOUNT (Rs.)   | QTY                     | UNIT | RATE (Rs.) | AMOUNT (Rs.)   |              |              |         |
|          |  |                            |      |            |                |                         |      |            |                | -            | -            |         |
| 394      | SITC of Medical Line Valve, As per CE Certified/UL Listed, As per Technical Specifications- Indian 28mm OD at MGMH Petlaburj | 4                          | each | 4,378.00   | 17,512.00      | 4.00                    | each | 4,378.00   | 17,512.00      | -            | -            |         |
|          |  |                            |      |            |                |                         |      |            |                | -            | -            |         |
| 395      | SITC of Bed Head Panel - as per HTM 2022/02-01/ NFPA99C as per enclosed technical specifications at MGMH Petlaburj           | 2                          | each | 36,750.00  | 73,500.00      | 2.00                    | each | 36,750.00  | 73,500.00      | -            | -            |         |
|          |  |                            |      |            |                |                         |      |            |                |              |              |         |
|          |  |                            |      |            | 10,25,822.00   |                         |      | PART-A     | 11,41,255.00   | 1,43,424.00  | 27,991.00    |         |
|          |  |                            |      |            | 4,24,05,299.00 |                         |      |            | 4,40,24,015.00 | 45,44,381.00 | 29,25,665.00 |         |

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| S. No | DESCRIPTION  | As Per Sanctioned Estimate |      |            |              | As Per Working Estimate |      |            |              | EXCESS      | LESS | REMARKS |
|-------|--|----------------------------|------|------------|--------------|-------------------------|------|------------|--------------|-------------|------|---------|
|       |  | QTY                        | UNIT | RATE (Rs.) | AMOUNT (Rs.) | QTY                     | UNIT | RATE (Rs.) | AMOUNT (Rs.) |             |      |         |
| 18    | Emergency Fire Doors : 46mm thick flush doors made of 0.8mm thick Powder coated GI sheets on both sides, 90 plus or minus 2 kg/m3 density Honeycomb with stand upto 220 Deg.C Temperature, and compressible strength upto 400 Kg/Sqm, 1.2 mm thick GPSP . door frames, double glazed vision panel with necessary adhesive tapes and silicon sealant, necessary hardware like SS304 ball bearing butt hinges, D- handles, push plates, Dorma make door closure, concealed tower bolt, drop seals for the double leaf door and provision for fixing magnetic type door interlocking system and automatic door bottoms, Both side lock and keys etc. complete. Size 1500 X 2100 mm with 2 hours fire rated and panic push bar and accessories etc. at   | 0.00                       | Nos  |            |              | 1                       | Nos  | 56000      | 56,000.00    | 56,000.00   | -    |         |
|       |  |                            |      |            |              |                         |      |            |              | -           | -    |         |
|       |  |                            |      |            |              |                         |      |            |              | -           | -    |         |
| 19    | Providing of Factory made prelaminated FPVC (Foamed Polyvinyl Chloride) Door frame of the size 105x40mm with a wall thickness of 10mm made out of extruded rigid FPVC profile mitre joined with 6 Nos. of 50mm long screw. The door frame shall be fixed to the wall by using 80mm long screws through the frame with the help of PVC fasteners of 3 no's to be provided for each vertical member, GI stiffeners of ("U" channel of size 29x9x1mm, 150mm long) - 3 no's at hinge point, Frame reinforcement of("U" GI channel of size 46x22x.06mm), Bottom tie rod of ("U" GI channel size of 15x15x1mm) etc. complete as per manufacturers specification for finished item of work. Maximum door frame size: 980 x 2070 including providing of 35mm thick Factory made Prelaminated ABS (Acrolonitrile Butadyne Styrene) Door shutter moulded in in different designs, consisting of all round Frame made out of water proof solid foam PVC bar of size 20x32mm, reinforced by 32x 32mm 2 nos. for vertical made out of LVL (Laminated Veneer Lumber), core material of 32 mm thick high density craft paper honey comb board, sandwiched on both sides with prelaminated ABS sheet thickness of 1.5mm. PVC edge banding of size 0.45mm on the vertical sides. Hardware made out of steel coated butterfly hinges - 2 Nos. for each shutter and 18mm dia. 2 Screws for each | 0.00                       | Sqm  |            |              | 32.08                   | Sqm  | 9241       | 2,96,451.00  | 2,96,451.00 | -    |         |

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| S.<br>No | DESCRIPTION   | As Per Sanctioned Estimate |      |            |              | As Per Working Estimate |      |            |              | EXCESS    | LESS | REMARKS |
|----------|---|----------------------------|------|------------|--------------|-------------------------|------|------------|--------------|-----------|------|---------|
|          |   | QTY                        | UNIT | RATE (Rs.) | AMOUNT (Rs.) | QTY                     | UNIT | RATE (Rs.) | AMOUNT (Rs.) |           |      |         |
| 23       | Supplying and fixing GI pipe Medium Grade properties & weight as per IS 1239 in ground or on wall with GI fittings such as elbows tees couplings, nipples, plugs including excavation for trenches and refilling the trenches ,chiselling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on TW blocks on walls including cost and conveyance of all materials and labour charges , overheads & contractors profit complete for finished item of work except for GI bends union and GI connectors with checkout and socket <b>Tata or Zenith</b> make | 0.00                       | Rmt  |            |              | 35.10                   | Rmt  | 599        | 21,025.00    | 21,025.00 | -    |         |
|          |   |                            |      |            |              |                         |      | PART-B     | 21,025       | 21,025    |      |         |

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| S. No | DESCRIPTION  | As Per Sanctioned Estimate |      |            |              | As Per Working Estimate |      |            |              | EXCESS      | LESS | REMARKS |
|-------|--|----------------------------|------|------------|--------------|-------------------------|------|------------|--------------|-------------|------|---------|
|       |  | QTY                        | UNIT | RATE (Rs.) | AMOUNT (Rs.) | QTY                     | UNIT | RATE (Rs.) | AMOUNT (Rs.) |             |      |         |
| 33    | Supply and fixing of suitable out door feeder pillar box of size made with 14 SWG CRCA sheet with double door arrangement, making powder coating after processing of 7 Tank process, lock and key, hinges, rubber gasket, danger board, suitable angle iron stand for mounting the feeder pillar with cement concrete, including Supply and fixing of Legrand / Schnieder make as out goings, indication lamps, din channel, 6 Sqmm 3 core copper cable for individual light control, connectors, bus bars, shroudings, gland plates and provision for 3 phase energy meter etc., complete for finished item of work and suitable wiring provision for connecting the nature switch with following. 63A, 4 Pole MCB as incomer. 9 Nos 6-32A SP MCBs  | 0.00                       | Nos  |            |              | 1                       | Nos  | 35000      | 35,000.00    | 35,000.00   | -    |         |
|       |  |                            |      |            |              |                         |      | PART-B     | 4,50,720     | 4,50,720    |      |         |
|       | <b>Fire Fighting Supplemental Works</b>  |                            |      |            |              |                         |      |            |              |             |      |         |
| 34    | Supply, Installation and Commissioning of Addressable fire alarm Panel which consists of display board which will have 160 Character Display with Touch key pad, Mother board which will have ARM CORTEX M3 32 Bit Processor, Inbuilt RS-485 Networking Circuit for peer to peer networking, Inbuilt USB 2.0 Port for upload and download the Configuration tools, Two inbuilt programmable inputs, Two inbuilt NAC's, and Three Programmable Relays, and 4 Loop Card circuits. power Supply, Installation and Commissioning Board which will have SMPS fully protected board, which its operates on 120 to 220V AC $\pm$ 10% with 50/60 Hz, battery backup 24V DC with built-in charger. the panel have IP-50 rating Optional: for BMS integration thru MODBUS converter, Graphical Software, Software for TCP/IP Module, provision for GSM based Auto dialler, provision for printer thru compatible module. Approval: ILL | 0.00                       | Nos  |            |              | 1.00                    | Nos  | 2,91,366   | 2,91,366.00  | 2,91,366.00 | -    |         |
|       |  |                            |      |            |              |                         |      | PART-B     | 2,91,366     | 2,91,366    |      |         |

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| S. No | DESCRIPTION  | As Per Sanctioned Estimate |      |            |              | As Per Working Estimate |      |               |                     | EXCESS          | LESS | REMARKS |
|-------|--|----------------------------|------|------------|--------------|-------------------------|------|---------------|---------------------|-----------------|------|---------|
|       |  | QTY                        | UNIT | RATE (Rs.) | AMOUNT (Rs.) | QTY                     | UNIT | RATE (Rs.)    | AMOUNT (Rs.)        |                 |      |         |
| 38    | SITC of air cooled condensing units with two scroll compressors, air cooled condenser, power panel, vibration isolating pads, stand for ODU, thermostat, etc. of the following capacities. The nominal capacity of the condensing unit shall be as under. Air cooled condensing unit shall have horizontal discharge. All refrigerant piping accessories sight glass, drier, expansion valve, etc. shall be supplied with the condensing units and suitable to connect above AHUs. Refrigerant shall be R 407C / R 410A. Necessary thermostat, control wiring, etc. shall be included. Derating of the unit shall not be more than 15percentage under 45 deg. C ambient temperature. Condensing unit shall be capable of operating up 50 deg. C ambient  | 0.00                       | Nos  |            |              | 2                       | Nos  | 218400        | 4,36,800.00         | 4,36,800.00     | -    |         |
|       |  |                            |      |            |              |                         |      | <b>PART-B</b> | <b>16,81,050.00</b> | <b>4,36,800</b> |      |         |
|       | <b><u>MGPS Supplemental Works</u></b>  |                            |      |            |              |                         |      |               |                     |                 |      |         |
| 39    | <b><u>Fully Automatic Control Panel for Oxygen System:</u></b><br>Supply, installation and commissioning of Fully Automatic control panel for uninterrupted Oxygen supply  | 0                          | Set  |            |              | 1.00                    | Set  | 1,75,180      | 1,75,180.00         | 1,75,180.00     | -    |         |
| 40    | <b><u>Trigas Emergency Manifold:</u></b><br>SITC of Emergency Trigas Manifold maximum for 1+1 D-type Gas Cylinders complete with separate NRVs, tail pipes and brass fittings for each cylinders.  | 0                          | Set  |            |              | 1.00                    | Set  | 9,620         | 9,620.00            | 9,620.00        | -    |         |
| 41    | <b><u>Fully Automatic Control Panel for Trigas System:</u></b><br>Supply, installation and commissioning of Fully Automatic control panel for uninterrupted Nirous Oxide supply.   | 0                          | Set  |            |              | 1.00                    | Set  | 1,75,180      | 1,75,180.00         | 1,75,180.00     | -    |         |
| 42    | <b><u>Fully Automatic Control Panel for CO2 System:</u></b><br>Supply, installation and commissioning of Fully Automatic control panel for uninterrupted Nirous Oxide supply.  | 0                          | Set  |            |              | 1.00                    | Set  | 1,75,180      | 1,75,180.00         | 1,75,180.00     | -    |         |
| 43    | SITC of <b>Medical Air-4 Outlet</b> with matching probe as per HTM-2022/02-01 of UK/ NFPA 99C of USA as per enclosed technical Specification.  | 0                          | Nos  |            |              | 6.00                    | Nos  | 12,470        | 74,820.00           | 74,820.00       | -    |         |
| 44    | 12 mm Valve for 12 mm OD Pipe<br><b>Note: New item added</b>   | 0                          | Nos. |            |              | 3.00                    | Nos. | 930           | 2,790.00            | 2,790.00        | -    |         |
| 45    | Supply and installation of 46.7 liter size <b>CO2</b> cylinders confirming to IS:7285 Part-2 (2017). The cylinder shall have an outer diameter of 232mm, a nominal length of 1365mm, and a minimum wall thickness of 5.3mm, ensuring robustness and safety during handling and storage. The cylinders shall have a capacity of 46.7 liters and comply with the standards set forth by the Indian Standards Institute. They shall be constructed from high-quality 37 Mn (Carbon Manganese) material, guaranteeing durability and reliability. The design shall feature a concave bottom and neck threading conforming to IS 3224:2002 14 TPI Type 4 - Size 2 specifications, facilitating secure connections and ease of use. The cylinder shall be capable of withstanding a test pressure of 250 BAR and have a working pressure of 150 BAR. The nominal tare weight of each cylinder shall be | 0                          | Nos. |            |              | 2.00                    | Nos  | 20,850        | 41,700.00           | 41,700.00       | -    |         |

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