				R	EVISED EST	MATE						
S.	DESCRIPTION		As Pe	r Sanctioned	<u>Estimate</u>		As Pe	r Working E	stimate	EXCESS	LESS	REMARKS
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	KEWAKKS
	MGMH Petlaburj Hospital											
	<u>EQUIPMENT</u>											
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	-	-	
	,			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2,22,22			
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	<u>-</u>	-	
212	IVF Thermometer at Petlaburj Hospital	1	No	61,875.00	61,875.00	1.00	No	61,875.00	61,875.00	<u>-</u>	-	
-12	The mometer at reliabilities pital	'	110	01,073.00	01,070.00	1.00	110	01,070.00	01,070.00	-	-	
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	<u>-</u>	-	
	OCE and OE / maryeon at 1 Guaburg 1103pital		.,	0,70,000.00			.,,			<u> </u>	-	
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	<u>-</u>	-	
	100 motor for 74 th Eab at 1 diabail 1 hospital		1,40		7,01,200.00	1.00	.,,		7,01,200.00	<u> </u>	-	
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 Andrology Work station at Petlaburj Hospital	1	No	2,50,000.00	2,50,000.00	1.00	No	2,50,000.00	2,50,000.00	-	-	
000				0.4.700.00	04.500.55	4.00		0.4.500.00	04.500.00	-	-	
220	Clinical Centrifuge machine for Andrology at Petlaburj	1	No	34,500.00	34,500.00	1.00	No	34,500.00	34,500.00	<u>-</u>	-	
221	Dry Incubators at Petlaburj Hospital	1	No	5,63,750.00	5,63,750.00	1.00	No	5,63,750.00	5,63,750.00	<u> </u>	-	
										-	-	

S.	DESCRIPTION		As Pe	r Sanctioned	l Estimate		As Pe	er Working E	stimate_	EXCESS	1566	REMARKS
No		QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCE22	LESS	REWIARNS
222	Pipetter and Denudation system at Petlaburj Hospital	1	No	1,03,125.00	1,03,125.00	1.00	No	1,03,125.00	1,03,125.00	-	-	
222	Pharmaceutical Refrigerator at Petlaburj Hospital	1	No	2,25,000.00	2,25,000.00	1.00	No	2,25,000.00	2,25,000.00	-	-	
223	Pharmaceutical Reingerator at Petiaburj Hospital	<u> </u>	No	2,25,000.00	2,25,000.00	1.00	No	2,25,000.00	2,25,000.00	<u>-</u>	-	
224	Cryocans with wheels at Petlaburj Hospital	2	No	61,875.00	1,23,750.00	2.00	No	61,875.00	1,23,750.00	-	-	
										-	-	
225	Defibrillator at Petlaburj Hospital	1	No	3,12,500.00	3,12,500.00	1.00	No	3,12,500.00	3,12,500.00	-	-	
226	7 Para Patient Monitor at Petlaburj Hospital	2	No	2,80,000.00	5,60,000.00	2.00	No	2,80,000.00	5,60,000.00		_	
				_,,	-,,			, ,	.,,	-	-	
227	Suction machine at Petlaburj Hospital	1	No	49,500.00	49,500.00	1.00	No	49,500.00	49,500.00	-	-	
228	Anaesthesia Work station at Petlaburj Hospital	1	No	9,37,500.00	9,37,500.00	1.00	No	9,37,500.00	9,37,500.00	<u>-</u>		
220	Aliaestilesia vvoik station at Petiabuij Hospital	'	INO	9,37,500.00	9,37,300.00	1.00	INO	9,37,300.00	9,37,300.00	<u>-</u>	_	
229	Autoclave at Petlaburj Hospital	1	No	5,62,500.00	5,62,500.00	1.00	No	5,62,500.00	5,62,500.00	-	-	
										-	-	
230	Operative Hysteroscopy and Resectoscope Set Machine at Petlaburi Hospital	1	No	21,25,000.00	21,25,000.00	1.00	No	21,25,000.00	21,25,000.00	-	_	
	Peliaburj Hospital										_	
231	Operative Laparoscopy Set at Petlaburj Hospital	1	No	42,00,000.00	42,00,000.00	1.00	No	42,00,000.00	42,00,000.00	-	-	
										-	-	
232	Multifunctional Printer at Petlaburj Hospital	1	No	43,750.00	43,750.00	1.00	No	43,750.00	43,750.00	-	-	
233	Ultrasound Examination Couch at Petlaburj Hospital	1	No	81,250.00	81,250.00	1.00	No	81,250.00	81,250.00	<u> </u>	-	
200	Olitaboaria Examination Codor at Foliabar Friospital	·	110	01,200.00	01,200.00	1.00	110	01,200.00	01,200.00	-	-	
234	UPS 20KVA with battery backup at Petlaburj Hospital	1	No	-		0.00	No	-		-	-	
005	Landar for Office was at Datlah will be with	_	NI-	4 45 000 00	0.00.000.00	0.00	NI-	4.45.000.00	0.00.000.00	-	-	
235	Laptop for Office usage at Petlaburj Hospital	2	No	1,15,000.00	2,30,000.00	2.00	No	1,15,000.00	2,30,000.00	<u>-</u>		
236	Reception Table at Petlaburj Hospital	1	No	1,10,000.00	1,10,000.00	0.00	No	1,10,000.00		-	1,10,000.00	
										-	-	
237	Reception chair at Petlaburj Hospital	2	No	34,500.00	69,000.00	2.00	No	34,500.00	69,000.00	-	-	
238	Filing Cabinet at Petlaburj Hospital	2	No	34,500.00	69,000.00	2.00	No	34,500.00	69,000.00	<u> </u>	-	
200	Timig Cabinet at 1 chabaij 1103pitai		140	34,300.00	00,000.00	2.00	110	04,000.00	00,000.00	-	-	
239	Patient Seating 3 in 1 model at Petlaburj Hospital	3	No	38,500.00	1,15,500.00	3.00	No	38,500.00	1,15,500.00	-	-	
0.40				00.000.00	00 000 00	0.00		00 000 00	00.000.00	-	-	
240	Consultant Chair at Petlaburj Hospital	3	No	20,000.00	60,000.00	3.00	No	20,000.00	60,000.00	<u> </u>	-	
241	Patient Chair at Petlaburj Hospital	6	No	13,750.00	82,500.00	6.00	No	13,750.00	82,500.00		-	
				·					·	-	-	
242	Small Trolley at Petlaburj Hospital	3	No	39,200.00	1,17,600.00	3.00	No	39,200.00	1,17,600.00	-	-	
2/13	Big Trolley at Petlaburj Hospital	3	No	62,500.00	1,87,500.00	3.00	No	62,500.00	1,87,500.00	<u> </u>		
243	Dig Trolloy at Feliabulj Hospital		110	02,300.00	1,07,300.00	3.00	INU	02,300.00	1,07,300.00	<u>-</u>	-	
244	Wall Storage Cabinets at Petlaburj Hospital	8	No	17,500.00	1,40,000.00	8.00	No	17,500.00	1,40,000.00			
							ļ			-	-	
245	Office Table at Petlaburj Hospital	3	No	20,000.00	60,000.00	3.00	No	20,000.00	60,000.00	<u>-</u>	-	
246	Consumables and Media for 100 Cycles at Petlaburj	1	Lot			0.00	Lot				-	
240	Hospital	<u> </u>	Lot			0.00	LOI	-			-	
\vdash		-			2,60,20,475.00			PART-A	2,59,10,475.00	<u> </u>	1,10,000.00	
\vdash	Civil Works				2,00,20,475.00			r'ART-A	2,00,10,470.00	-	1, 10,000.00	
	OWN WORKS											

S.	DECORIDATION		As Pei	r Sanctioned	l Estimate		As Pe	r Working E	stimate	EVOEGO	1500	DEMARKO
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
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	-	-	
	AE					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	-	-	

250	Dismantling doors, windows and clear storey windows, Ventilators etc., wood or steel shutters including	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	OTV				EXCESS	LESS	
250	Dismantling doors, windows and clear storey windows, Ventilators etc., wood or steel shutters including				ANICONT (IXS.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)			REMARKS
250	Ventilators etc., wood or steel shutters including					16.00	Sqm	350.00	5,600.00	5,600.00	-	
	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. Exceeding 3 sqm in area: Doors1.50x2.60M at MGMH	5	No	468.00	2,340.00	0.00	No	468.00		-	2,340.00	
	Conveyance of un-useful excavated earth to a distance of									-	-	
251	21 KM for disposal including hire charges of T and P, labour charges etc., complete for finished item of work. Dismantled Brick masonry and existing flooring, at MGMH	120	Cum	455.00	54,600.00	0.00	Cum	455.00		-	54,600.00	
	AE									-	-	
252	Brick masonry for panel walls in superstructure with CM 1:8 prop: Aerated Cellular Autoclaved Concrete Blocks conforming to IS:2185 Part-3 - 1984 and IS:6441-1972 of Compressive strength 3 N/mm2 600 x 200 x 200 mm including cost and conveyance of all materials like cement, screened sand, bricks, water etc., to site, including sales and other taxes on all materials and such as labour charges, like mixing cement mortar, scaffolding charges, constructing masonry, lift charges, curing, etc.,complete for finished item of work. TSSS No.501 and 504. 3rd Floor at MGMH Petlaburj	10.5	Cum	14,558.00	1,52,859.00	10.50	Cum	14,558.00	1,52,859.00	-	-	
	AE					9.58	Cum	14,558.00	1,39,466.00	1,39,466.00	-	
253	Reinforced Masonry for partition walls 100 mm thick in CM 1:4 prop. Aerated Cellular Autoclaved Concrete Blocks conforming to IS:2185 Part-3- 1984 and IS:6441-1972 of Compressive strength 3 N/mm2 600 x 200 x 100 mm and placing 2Nos. of 6mm M.S plain rods in every third layer with free ends of the reinforcement pegged into mortar joints of main brick walls where applicable including cost and conveyance of all materials like cement, steel, sans, brick, water etc., to site, including sales and other taxes excluding GST on all materials, all operational, incidents charges, constructing masonry, lift charges, curing, complete for finished item of work. TSSS No. of 509. 3rd Floor at MGMH Petlaburj	215	Sqm	1,716.00	3,68,940.00	215.00	Sqm	1,716.00	3,68,940.00	-	<u>-</u>	
	AE					12.17	Sqm	1,716.00	20,884.00	20,884.00	-	
254	Providing Mild steel MS steel bars Fe 250 grade as per IS 432 of different diameters including labour charges for straightening, cutting, bending to required sizes and shapes, placing in position with cover blocks of approved materials and size and tying and lap-splicing with binding wire of 18 SWG, forming grills for reinforcement work as per approved designs and drawings, including cost and conveyance of steel bars, including all wastages such as overlaps, couplings, chairs, spacer bars including cost and conveyance of binding wire, cover blocks and all incidental, operational, labour charges such as cutting, bending, placing in position, tying including sales and other taxes on all materials etc., complete for finished item of	0.9	MT	1,16,500.00	1,04,850.00	0.00	MT	1,16,500.00		-	1,04,850.00	

S.	DECORIDATION		As Pe	r Sanctioned	l Estimate		As Pe	r Working E	stimate	EXCESS	1500	DEMARKS
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
255	Plastering 20mm thick in two coats using screened sand with base coat of 16mm thick in CM1:6 and top coat of 4mm thick in CM1:4 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., complete for finished item of work .SS 901,903and 904 3rd Floor at MGMH Petlaburj	45	Sqm	945.00	42,525.00	39.56	Sqm	945.00	37,384.00	-	5,141.00	
					·					-	-	

S.	DESCRIPTION		As Pe	r Sanctioned	l Estimate		As Pe	r Working E	stimate	EXCESS	LESS	REMARKS
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	KEWAKKS
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		Sqm	906.00	3,89,580.00	430.00	•	906.00	3,89,580.00 4.31.147.00	4.31.147.00	-	
	Providing and laying screed plain cement concrete as per	-				473.00	Sqiii	900.00	4,31,141.00	4,31,141.00	-	
257	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		Sqm	13,713.00	68,565.00	0.00	Sqm	13,713.00		-	68,565.00	

S.	DESCRIPTION		As Pe	r Sanctioned	Estimate		As Pe	r Working E	stimate_	EVOTOR	1500	DEMARKS
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
259	Supplying and fixing of Unplasticised Poly Vinyl Chloride UPVC 3 track sliding windows with mesh shutter — 2-glass shutters and 1-mesh shutter duly manufactured using UPVC reinforced profiles Composition of profile shall consists a minimum of 5.5 PHR of TiO2 and not more than 12 PHR of CaCo3 for every 100 parts of PVC resin of 94mm x 45 mm/80 mm x 52 mm x 2.20 mm for outer frames, 58 mm x 39 mm/54 mm x 38 mm x 2.20mm for sliding shutter frames capable of mounting single glazing system structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.0/1.2 mm prefabricated and welded through fusion welding. The window sash shall be fitted with 5 mm thick clear float glass of reputed make and mesh shutter frame shall be 42 mm x 25mm/52 mm x 21.5 mm x 2.0 mm fitted with Vinyl Coated Fiber mesh- on rollers/ pulley duly fixed with Grey colour TPV Gasket for sash and Glazing bead shall be co- extruded with Grey colour soft PVC. System shall have single point locking with Touch Lock and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site includingetc.	15	Sqm	9,517.00	1,42,755.00	15.00	Sqm	9,517.00	1,42,755.00	- -	-	
	AE					24.80	Sqm	9,517.00	2,36,022.00	2,36,022.00	ı	
260	Providing, supplying and fixing of Fixed Louvered Ventilator made out of multi chambered uPVC sections with Glazing bead shall be co-extruded with Grey colour soft PVC. having isolated drainage and reinforced with Galvanized Iron profiles throughout the window. The outer frame having an overall size of 60 mm x 55 mm x 2.40 with reinforcement of 1 mm thickness and Mullion with overall size of 74 mm x 60 mm x 2.40 mm with reinforcement of 1 mm thickness. Composition of profile shall consists a minimum of 5.5 PHR of TiO2 and not more than 12 PHR of CaCo3 for every 100 parts of PVC resin. Ventilator shall be provided with 4.5 mm Pin Head glass, standard hardware. Wall thickness of frame and Mullion shall be 2.4 mm., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site etc., complete for finished item of work hinges IS:205 150mm long, 1 No. aldrop IS:2681 300mm long, 1 No. tower bolt IS:204 of 200 mm x 10 mm dia at top, 2 Nos. 150 mm at MGMH Petlaburj	5	Sqm	8,564.00	42,820.00	1.96	Sqm	8,564.00	16,785.00	-	26,035.00	

S.	DESCRIPTION		As Pe	r Sanctioned	I Estimate		As Pe	r Working E	stimate	EVOEDO	1.500	DEMARKS
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
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		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		Sqm	6,502.00	65,020.00	0.00	Sqm	6,502.00		- -	65,020.00	

S.	DESCRIPTION		As Pe	r Sanctioned	l Estimate		As Pe	r Working E	stimate	EVOLUE	1.566	DEMARKS
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
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	360	Sqm	1,593.00	5,73,480.00	294.66	Sqm	1,593.00	4,69,393.00	-	1,04,087.00	
	Flooring with non-skid full body ceramic floor tiles of size									-	-	
264	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	12	Sqm	1,395.00	16,740.00	12.00	Sqm	1,395.00	16,740.00	-	-	
	AE					0.93	Sqm	1,395.00	1,297.00	1,297.00	-	
265	cross tee of size 24 x 27 mm at every 000 mm c/c and subcross 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		Sqm	1,636.00	4,90,800.00			1,636.00	4,90,800.00	-	-	
	AE					138.85	Sqm	1,636.00	2,27,159.00	2,27,159.00	-	

S.			As Pei	Sanctioned	l Estimate		As Pe	r Working E	stimate	=\\0=00	. ===	
No	DESCRIPTION	_	UNIT	RATE (Rs.)	AMOUNT (Rs.)		UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
266	Providing dadooing 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.,	30	Sqm	1,391.00	41,730.00	30.00	Sqm	1,391.00	41,730.00	-	-	
-	Providing and applying Wall putty of White Cement or					225.40	Sqm	1,391.00	3,13,531.00	3,13,531.00	-	
267	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		Sqm	315.00	3,07,125.00			315.00	3,07,125.00	-	-	
	AE					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	·	259.00	2,52,525.00	- 39,609,00	-	

S.	DESCRIPTION		As Pei	r Sanctioned	l Estimate		As Pe	r Working E	stimate	EXCESS	LECC	DEMARKS
No		QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EVCESS	LESS	REMARKS
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 thourughly 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 harware 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.	DESCRIPTION		As Pe	r Sanctioned	Estimate		As Pe	r Working E	stimate	EXCESS	1.566	DEMARKS
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
	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.	2	No	28,700.00	57,400.00	2.00	No	28,700.00	57,400.00	,	-	
	AE					3.00	No	28,700.00	86,100.00	86,100.00	-	
289	Supply and installation of Extruded Aluminium Coving at MGMH Petlaburi	100	Rmt	585.00	58,500.00	100.00	Rmt	585.00	58,500.00	-	-	
	AE					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	140	Sqm	4,070.00	5,69,800.00	140.00	Sqm	4,070.00	5,69,800.00	-	-	
	AE					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 Petlaburi	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 Petlaburi	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	
	PLUMBING WORKS				33,13,323.00			TANTA	03,01,373.00	10,57,525.00	0,72,001.00	
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	
	0 1 15: 501: 10: 15:									-	-	
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 Petlaburi	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.	DESCRIPTION	4	As Pe	r Sanctioned	l Estimate		As Pe	r Working E	stimate_	EVOESS	1500	DEMARKS
No		QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
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		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.	DESCRIPTION	4	As Pe	r Sanctioned	l Estimate		As Pe	er Working E	stimate	FVCFCC	1500	REMARKS
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REWARNS
										-	-	

S.	DESCRIPTION		As Pe	r Sanctioned	l Estimate		As Pe	r Working E	stimate	EXCESS	LESS	REMARKS
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	KEWAKKS
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-E.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	-	-	
	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	
	ELECTRICAL WORKS				, , ,				, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	
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		Rmt	116.00	23,200.00			116.00	23,200.00	-	-	
	AE		I T			263.50	Rmt	116.00	30,566.00	30,566.00	-	

S.	DECODIDATION	_ <i></i>	<u> As Pe</u>	<u>r Sanctioned</u>	l Estimate		<u>As Pe</u>	r Working E	stimate	EVOEGO		DEMARKS
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
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	-	-	
	AE					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		Pts	945.00	94,500.00	•	-	
	AE					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 /Honevwell Blenge Plus/Gold Medal	12	No	675.00	8,100.00	12.00	No	675.00	8,100.00	-	-	
	AE					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	•	-	
	AE					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	
	Ourants and man of 4 of 00 /0 0									-	-	
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	-	-	
	AE					29.60	Rmt	40.00	1,184.00	1,184.00	-	

S.	DESCRIPTION		As Pe	r Sanctioned	l Estimate		As Pe	r Working E	stimate_	EXCESS	1.566	DEMARKS
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
301	Supply and run of 3 of 2.5 sq.mm 36/0.mm phase neutral and earth FRLS / HFFR PVC insulated flexible copper cable in existing conduit pipe for individual lighting circuits including labour charges etc., complete as required for switch boards. Makes of wires: Finolex/RR Cable/ Havells/Polycab/ HPL, at MGMH Petlaburi	600	Rmt	177.00	1,06,200.00	600.00	Rmt	177.00	1,06,200.00	-	-	
	AE					1113.10	Rmt	177.00	1,97,019.00	1,97,019.00	-	
302	Supply and 3 runs of 4.0 sq mm 56/0.3 mm phase neutral and earth FRLS / HFFR PVC insulated flexible copper cable in existing conduit pipe including labour charges etc., complete for 16A sockets. Makes of wires: Finolex/ RR Cable/ Havells/ Polycab/ HPL. at MGMH	1200	Rmt	255.00	3,06,000.00	1200.00	Rmt	255.00	3,06,000.00	-	-	
	AE					1221.00	Rmt	255.00	3,11,355.00	3,11,355.00	-	
303	Supply and run of 5 of 6.0 Sqmm 90/0.3 mm 3 phases, neutral and earth FRLS / HFFR PVC insulated flexible copper cable in the existing conduit pipe for run of mains from Power panel board to TPN DBs with pin type lugs and connections etc., complete. for LDBs Makes of wires: Finolex/ RR Cable/ Havells/Polvcab/ HPL. at MGMH Petlaburi	60	Rmt	606.00	36,360.00	60.00	Rmt	606.00	36,360.00	-	-	
	AE					180.10	Rmt	606.00	1,09,141.00	1,09,141.00	-	
304	Supply and run of 5 of 10.0 Sqmm 140/0.3 mm 3 phases, neutral and earth FRLS / HFFR PVC insulated flexible copper cable in the existing conduit pipe for run of mains from Power panel board to TPN DBs with pin type lugs and connections etc., complete. for PDBs Makes of wires: Finolex/ RR Cable/ Havells/ Polycab/ HPL. at MGMH Petlaburi	40	Rmt	967.00	38,680.00	40.00	Rmt	967.00	38,680.00	-	-	
	AE					244.00	Rmt	967.00	2,35,948.00	2,35,948.00	-	
305	Supply and fixing of DP Metal Enclosure with IP 20 Protection DB Make with 1 No 20A, 10 KA DP MCB Make: Legrand / Schneider including internal connection and labour charges for Flush Mounting etc., complete. Makes: Legrand / Schneider. at MGMH Petlaburj	5	No	2,562.00	12,810.00	0.00	No	2,562.00		-	12,810.00	

S.	DESCRIPTION		As Pe	r Sanctioned	l Estimate		As Pe	r Working E	stimate	EVOLUE	1.566	REMARKS
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REWARNS
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	-	-	
	AE					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	-	-	
	D : I' I S : CAOSA OSIKA TONITI I INA I'									-	-	
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 Petlaburi	2	No	3,260.00	6,520.00	0.00	No	3,260.00		-	6,520.00	
	Cumply transportation and fiving of CAMA adma lit LED Davis									-	-	
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 than100 lumens/watt, CCT: 3000K - 6500K as desired by the department and as per IS, CRI greater than80, and THD is less than 15percentage etc., with BIS Certification. Makes: Phillips / OSRAM / Wipro / Crompton / Bajaj / Havells at	50	No	2,652.00	1,32,600.00	50.00	No	2,652.00	1,32,600.00	-	-	
	AE					41.00	No	2,652.00	1,08,732.00	1,08,732.00	-	

S.	DESCRIPTION		As Pei	r Sanctioned	l Estimate		As Pe	r Working E	stimate	EVOLUE	1.566	DEMARKS
No		QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
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 / Winro / Crompton / Baiai / Havells at MGMH Petlaburi	30	No	4,350.00	1,30,500.00	30.00	No	4,350.00	1,30,500.00	-	-	
	AE Supply and Transportation 42W Clean room Light					30.00	No	4,350.00	1,30,500.00	1,30,500.00	-	
313	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_MAKF- OSRAM / Wipro / Crompton / Baiai /	12	No	4,762.00	57,144.00	0.00	No	4,762.00		-	57,144.00 -	
	Supply and fixing of ISI mark batten holder / slanting holder									-	-	
314	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	
	Supply, Transportation of energy efficient fan, 1200 mm									-	-	
315	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 to 75 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	
\vdash	Supply and fixing of Modular type Stepped electronic									-	-	
316	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 Petlaburj	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.	DESCRIPTION	4	As Pe	r Sanctioned	l Estimate		As Pe	r Working E	stimate_	EXCESS	1500	REMARKS
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REWARKS
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	3,861.00	-	
	SITC of Hot dip galvanized perforated cable tray of 300 mm					9.00	KIIIL	429.00	3,001.00	3,001.00	-	
319	Wide sizes for to run the cable from Floor Panel to Lab	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 Petlaburi	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	-	-	
-	Providing and Fiving maintenance free parthing which									-	-	
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 Petlaburi		Rmt	329.00	65,800.00	200.00		329.00	65,800.00	-	-	
	AE					17.30	Rmt	329.00	5,692.00	5,692.00	-	

S.	DESCRIPTION		As Pe	r Sanctioned	l Estimate		As Pe	r Working E	stimate	EXCESS	LESS	REMARKS
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	KEWAKKS
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	-	-	
	AE					7.30	Rmt	902.00	6,585.00	6,585.00	-	

S.	DESCRIPTION		As Pe	r Sanctioned	l Estimate		As Pe	r Working E	stimate	EVOTOS	1500	DEMARKS
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
328	Supply and installation of 4 sqmm Copper wire for Earthing of DBs Equipment at MGMH Petlaburi	80	Rmt	83.00	6,640.00	80.00	Rmt	83.00	6,640.00	-	-	
	AE					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 cland and Lungs: HMI/Commet/Dowell's at MGMH	120	Rmt	1,207.00	1,44,840.00	120.00		1,207.00	1,44,840.00	,	i	
	AE					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/I biversal/Glostar/Finolex Make of gland	70	Rmt	722.00	50,540.00	70.00	Rmt	722.00	50,540.00	-	-	
	AE					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/		Rmt	1,483.00	1,48,300.00	100.00	Rmt	1,483.00	1,48,300.00	-	-	
	AE					60.40	Rmt	1,483.00	89,573.00	89,573.00	-	

S.	DESCRIPTION		As Pe	r Sanctioned	l Estimate		As Pe	r Working E	stimate	EXCESS	LESS	REMARKS
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REWARKS
332	Supply, Lying and testing of 4Cx6 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:	120	Rmt	484.00	58,080.00	120.00	Rmt	484.00	58,080.00	-	-	
333	Supply, Lying and testing of 4Cx4 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: HMI/Commet/Dowell's at MGMH Petlaburj	80	Rmt	356.00	28,480.00	80.00	Rmt	356.00	28,480.00	-	-	
3344	SITC of IVF Center Main Panel Indoor IP-42 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		No	3,55,000.00	3,55,000.00	1.00	No	3,55,000.00	3,55,000.00	-	-	

S.	DESCRIPTION	<u> </u>	As Pe	r Sanctioned	I Estimate		As Pe	r Working E	stimate	EXCESS	LESS	REMARKS
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	KEWAKNS
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.	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	
	ELV WORKS				37,19,411.00			FAILL	30,41,333.00	21,09,030.00	2,47,714.00	
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	-	-	
					0.00.000.00			D.4.D.T. 4	0.00.000.00	-	-	
					6,89,000.00			PART-A	6,89,000.00	-	-	

S.	DECORPTION		As Pe	r Sanctioned	l Estimate		As Pe	r Working E	stimate	EVOEGO	1500	DEMARKS
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
	FIRE FIGHTING WORKS											
341	Supply, installation, testing and commissioning of Audio and video recording of counseling rooms at MGMH	1	Job	1,38,000.00	1,38,000.00	1.00	Job	1,38,000.00	1,38,000.00	-	-	
339	Supply, installation, testing and commissioning of Automatic Fire Alarm System which is including 30 nos of smoke Detectors 1nos manual call point, 1 no of Hooter with fire alarm cable connected to the existing fire control panel with necessary Required items etc at	1	Job	5,10,000.00	5,10,000.00	1.00	Job	5,10,000.00	5,10,000.00	-	-	
342	Supply and installation of Fire Extinguishers of CO2 4.50 Kg at MGMH Petlaburi	5	No	11,225.00	56,125.00	5.00	No	11,225.00	56,125.00	-	-	
343	Supply and installation of ceiling mounted Fire Extinguishers of ABC MAP 90, 5.0 Kg stored pressure type	5	No	7,686.00	38,430.00	5.00	No	7,686.00	38,430.00	-	-	
<u> </u>	Supply and installation of 2.0 Kg clean agent HCFC 123						+			-	-	
344	Fire Extinguishers at MGMH Petlaburi	5	No	15,065.00	75,325.00	5.00	No	15,065.00	75,325.00	-	-	
345	Supply and fixing of Fire escape signage Boards at MGMH Petlaburi	1	Job	56,000.00	56,000.00	1.00	Job	56,000.00	56,000.00	-	-	
					8,73,880.00			PART-A	8,73,880.00	-	-	
	AIR CONDITIONING											
346	dehumidifying air circulating and filtering with cooling and condensing units with 3.5 mts of copper piping, insulation kit and 4 mts of 3 core copper flexible chord, built-in stabilizer Voltage range 160- 264 volts and cordless remote control. Makes: Daikin / Thoshiba / O General at MGMH	1	No	48,000.00	48,000.00	1.00	No	48,000.00	48,000.00	-	-	
	AE					2.00	No	48,000.00	96,000.00	96,000.00	-	
347	Supply, transportation and installation of split AC unit 1.0 TR inverter type minimum 3 Star capable of delivering 12000 BTU/hr and above with high wall mounted indoor unit and outdoor condensing unit Hermetically sealed compressor suitable for operation on 230V, 50Hz, 1Phase AC supply capable of performing cooling dehumidifying air circulating and filtering with cooling and condensing units with 3.5 mts of copper piping, insulation kit and 4 mts of 3 core copper flexible chord, built-in stabilizer Voltage range 160- 264 volts and cordless remote control. Makes: Daikin / Thoshiba/ O General at	1	No	40,000.00	40,000.00	0.00	No	40,000.00		-	40,000.00	
										-	-	

Г	S.	DECORPTION	A	As Pei	r Sanctioned	l Estimate		As Pe	r Working E	stimate	EVOESS	1.500	DEMARKS
ı	No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
3	348	Modular Double skin floor mounted EUROVENT Certified Air Handling Unit 3000CFM / 8.5 TR / 150mm SP made out of 45 plus or minus 2mm thick PUF insulated panels Thermal break aluminium profile frame work with 0.8mm thick pre painted / powder coated inner and outer skins comprising of mixing box with fresh air and return air dampers, pre filters with 10 and 5 microns combination filters in single frame, Interlaced/Intertwined DX Cooling Coil suitable for connecting 2 nos of 8.5TR capacity 1W plus 1S out door condensing units, SS304 drain pan with, blower section with Nicotra / Kruger make direct drive/ Plug type fan, vibration isolators, EFF1 motor and blower section with on/off switches to operate from outside, limit switch for the fan section access door with a view port, fine filter section with 3 microns filters inspection doors for all filter and fan sections and damper at the outlet of unit. Ports for differential pressure gauges across all filters and blower to measure differential pressure. AHU Make: VTS / Systemair, Make - Blower - Nicotra / Kruger; Motor - Crompton Greaves / Siemens; Filter - Thermodyne / Freudenberg / Ultrafil at MGMH Petlaburj	1	No	5,90,000.00	5,90,000.00	0.00	No	5,90,000.00		-	5,90,000.00	
3	349	SITC of filter module made out of heavy duty Aluminium powder coated extrusion with minimum of 13G . and to house 610 mm X 610 mm HEPA Filter at the rate 0.3 microns , 99.9997, H-14 Grade, Filter loading from clean room side with bewel gear arrangement damper with access from clean room suitable to house the following filter sizes pressure drop and Integrity testing ports into room. Includes SS capsule perforated diffuser. This includes all required supports and accessories etc. Capacity 1000 CFM. at MGMH Petlaburj	6	No	42,000.00	2,52,000.00	6.00	No	42,000.00	2,52,000.00	-	-	
		SITC of air cooled condensing units with two scroll					0.00				-	-	
3	350	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 temperature. 8.5 TR capacity at	1	No	1,82,000.00	1,82,000.00	0.00	No	1,82,000.00		-	1,82,000.00	
											-	-	

S.	DECORIDATION		As Pe	r Sanctioned	l Estimate		As Pe	r Working E	stimate	EVOESS	1500	DEMARKS
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
351	SITC of Flange type, Flame proof FLP duct heaters of 5 kW capacity with Mineral Filled AISI SS304/SS321 Sheathed Tubular Heater with GI Helical fins, Tube dia 8.2mm min and Helical Finn dia 25mm min, enclosed in the frame, FLP Terminal box etc., Nickel Chromium Inner Element, Silicon Sealing to Restrict Moisture pickup, Silver brazed mounting plate etc., and heaters shall be controlled with PID thyrestor controller based on the analog output signal of 0-10 V DC of controller. And this should have saftey thermostat and cutouts and air stat etc. all safety controls. The capacities as follows and sizes of the heaters shall be as per the duct sizes and approved	1	No	2,05,000.00	2,05,000.00	1.00	No	2,05,000.00	2,05,000.00	-	-	
352	SITC of 20/21 G hard drawn copper refrigerant piping with all fittings, supports, insulation with 19 mm thk class O nitrile rubber insulation with factory laminated glass cloth for physical protection and UV protection etc. Quality of copper piping fittings shall be suitable for 18 G piping. Copper piping shall be clamped at every 1.5 mt. distance. copper piping shall be laid on inverted GI perforated cable trays and clamps as per specification inside the building. Copper piping on the terrace shall be laid with bottom and top cable tray. Thickness of the tray shall be 1.6 mm. Copper pipe size shall be as per OFM	20	Rmt	1,020.00	20,400.00	16.00	Rmt	1,020.00	16,320.00	-	4,080.00	
353	SITC of 20/21 G hard drawn copper refrigerant piping with all fittings, supports, insulation with 19 mm thk class O nitrile rubber insulation with factory laminated glass cloth for physical protection and UV protection etc. Quality of copper piping fittings shall be suitable for 18 G piping. Copper piping shall be clamped at every 1.5 mt. distance. copper piping shall be laid on inverted GI perforated cable trays and clamps as per specification inside the building. Copper piping on the terrace shall be laid with bottom and top cable tray. Thickness of the tray shall be 1.6 mm. Copper pipe size shall be as per OFM	20	Rmt	1,190.00	23,800.00	16.00	Rmt	1,190.00	19,040.00	-	4,760.00	
	SITC of CPVC drain ping with supports, clamps and 9									-	-	
354	mm thk. Nitrile rubber tube insulation of the following sizes. Insulation shall have factory laminated glass cloth. 32mm Dia at MGMH Petlaburj	50	Rmt	670.00	33,500.00	0.00	Rmt	670.00		-	33,500.00	
355	SITC of CPVC drain ping with supports, clamps and 9 mm thk. Nitrile rubber tube insulation of the following sizes. Insulation shall have factory laminated glass cloth. 25mm Dia at MGMH Petlaburj	50	Rmt	515.00	25,750.00	9.00	Rmt	515.00	4,635.00	-	21,115.00	
										-	-	

S.	DESCRIPTION		As Pe	r Sanctioned	l Estimate		As Pe	r Working E	stimate	EVOLES	1.566	DEMARKS
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
356	SITC of Factory fabricated and boxed ducting using Aluminium Sheets / coils, should be fabricated as per SMACNA, galvanised hardware and supports, silicon sealant at all longitudinal joints, Galvanized /GI Electroplated iron angle flanges for all the joints, bracing angles and minimum 5mm thick neoprene rubber gasket Duct pressure testing at 75mm to be carried out before insulatiting the duct. pressure testing to be done as per SMACNA. Procedure to be approved by consultant. 20G - 1.0 mm Thick at MGMH Petlaburj	30	Sqm	2,600.00	78,000.00	24.98	Sqm	2,600.00	64,948.00	-	13,052.00	
	SITC of Factory fabricated and boxed ducting using									-	-	
357	Aluminium Sheets / coils, should be fabricated as per SMACNA, galvanised hardware and supports, silicon sealant at all longitudinal joints, Galvanized /GI Electroplated iron angle flanges for all the joints, bracing angles and minimum 5mm thick neoprene rubber gasket Duct pressure testing at 75mm to be carried out before insulatiting the duct. pressure testing to be done as per SMACNA. Procedure to be approved by consultant. 22G - 0.8 mm Thick at MGMH Petlaburj	250	Sqm	2,325.00	5,81,250.00	232.64	Sqm	2,325.00	5,40,888.00	-	40,362.00	
										-	-	
358	Aluminium low leakage aerofoil design volume control dampers Suitable for manual and motorised operation at MGMH Petlaburi	2	Sqm	15,800.00	31,600.00	0.80	Sqm	15,800.00	12,640.00	-	18,960.00	
	CBRI approved 16G GI Spring return actuated fire									-	-	
359	dampers rated for 90 minutes with limit switch at MGMH Petlaburi	2	Sqm	25,900.00	51,800.00	0.80	Sqm	25,900.00	20,720.00	-	31,080.00	
	SITC of SS perforated return raiser grilles with 10 microns									-	-	
360	filters with collar dampers at MGMH Petlaburi	2	Sqm	26,300.00	52,600.00	2.00	Sqm	26,300.00	52,600.00	-	-	
	Extruded Al. powder coated EXHAUST / RETURN									-	-	
361	discrete grilles at MGMH Petlaburi	1	Sqm	8,125.00	8,125.00	1.00	Sqm	8,125.00	8,125.00	-	-	
	CITC of Calley Dominors made of Al systematics - with his -in									-	-	
362	SITC of Collar Dampers made of Al. extrusions with black powder coating for Grilles / Diffusers at MGMH Petlaburj	1	Sqm	7,550.00	7,550.00	1.00	Sqm	7,550.00	7,550.00	-	-	
	OITO of Manual dia name		\vdash				\sqcup			-	-	
363	food grade PVC tubing, etc. at MGMH Petlaburj	2	No	10,500.00	21,000.00	2.00	No	10,500.00	21,000.00	-	-	
	AE					1.00	No	10,500.00	10,500.00	10,500.00	-	
364	SITC of Magnehelic gauges to measure the room differential pressures in operation theatres with SS mounting box, SS nozzles, food grade PVC tubing, etc. at MGMH Petlaburi	2	No	12,900.00	25,800.00	2.00	No	12,900.00	25,800.00	-	-	
	SITC of Aluminium pounder posted Fresh size and Fult - unit									-	-	
365	SITC of Aluminium powder coated Fresh air and Exhaust Louvers of non- vision type with nylon mosquito net etc. at MGMH Petlaburi	1	Sqm	10,300.00	10,300.00	1.00	Sqm	10,300.00	10,300.00	-	-	
										-	-	

S.	DESCRIPTION	4	As Pe	r Sanctioned	l Estimate		As Pe	r Working E	stimate	EVOTOR	1500	DEMARKS
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
366	Supply, laying of Class O Nitrile rubber with factory laminated Glass cloth, all joints shall be covered with self-adhesive tapes 32mm Thick 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 25mm Thick for Exposed Return Air Duct and finished with UV Protective Paint. at MGMH Petlaburj	130	Sqm	1,075.00	1,39,750.00	103.32	Sqm	1,075.00	1,11,069.00	- -	28,681.00	
368	adhesive tapes 25mm Thick 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	-	-	
	AE					36.70	Sqm	785.00	28,810.00	28,810.00	-	
369	adhesive tapes 19mm Thick 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	-	-	
	AE					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	-	-	

VPE Indior Units: Hil wall Spite: Supply, Installation, Testing and Commissioning of veniable refrigerant flow modular type hador with shall be appeared by the supply of the state of the supply of t	mate EXCESS LESS REMARKS	<u>Estimate</u>	er Working E	As Pe		l Estimate	r Sanctioned	s Pe		DESCRIPTION	S.
Testing and Commissioning of variable refrigerant flow modular type indoor units wiredwireless remote suitable to suitable to refrigerant comprising of all accessories as per the specifications. The indoor units shall be suitable to recommissioning of variable refrigerant comprising of all accessories as per the specifications. The indoor units shall be suitable to report the specifications. The indoor units shall be suitable to report the specifications. The indoor units shall be suitable to report the specifications. The indoor units shall be suitable to report the specifications. The indoor units shall be suitable to report the specifications. The indoor units shall be suitable to report the specifications. The indoor units shall be suitable to report the specifications. The indoor units shall be suitable to report the specifications. The indoor units shall be suitable to report the specifications. The indoor units shall be suitable to report units units with the suitable to report the specifications. The indoor units shall be suitable to report the specifications. The indoor units shall be suitable to report the specifications. The indoor units shall be suitable to report the specifications. The indoor units shall be suitable to report the specifications. The indoor units shall be suitable to report the specifications. The indoor units shall be suitable to report the specifications. The indoor units shall be suitable to report the specifications. The indoor units shall be suitable to report the specifications. The indoor units shall be suitable to report the specifications. The indoor units shall be suitable to report the specifications. The indoor units shall be suitable to report the specifications. The indoor units shall be suitable to report the specifications. The indoor units shall be suitable to report the specifications. The indoor units shall be suitable to report the specifications. The indoor units shall be suitable to report the specifications. The indoor units shall be suitable to report the sp	MOUNT (Rs.)	AMOUNT (Rs.	RATE (Rs.)	UNIT	QTY	AMOUNT (Rs.)	RATE (Rs.)	UNIT	QTY	DESCRIPTION	No
VFE Indoor Units: Hi wall Spills: 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 part the specifications. The indoor units shall be suitable for work on cooling. The indimum Energy Efficiency Ratio shall be as per ASHRAE STANDARDS 90.1 -2001 table 6.2.18. The indoor units shall be suitable for operation on 220 plus or minus operations on the suitable for R410a 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 2 200 No 35,000.00 70,000.00 - 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 2 No 50,000.00 1.00,000.00 No 50,000.00 - 1.00,000.0	92,100.00			No		92,100.00	30,700.00	No		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	372
Testing and Commissioning of variable refrigerant flow modular type indoor units wired-Wrieless 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 62.18. The indoor units shall be suitable for operation on 220 plus or minus 6 percentage volts, 50Hz, 1 phase AC power supply. 1.5 TR at MGMH 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 for component reminimum Energy Efficiency 2 No 50,000.00 1,00,000.00 0.00 No 50,000.00 70,000.00 - 1,00,000.00 No 50,000.00 - 1,00,000.00 No 50,000.00 No 50,000.	92,100.00 92,100.00 -	92,100.00	30,700.00	No	3.00						
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 374 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 wav at McMM Petiaburi. 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 , 15mm thick for fittings shall be similar to to the Material of construction for fittings shall be similar to	1,40,000.00	1,40,000.00	35,000.00	No	4.00	1,40,000.00	35,000.00	No		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	373
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 24 work on cooling mode. The minimum Energy Efficiency Ratio shall be as per ASHRAE STANDARDS 90.1 - 2001 table 6.2.18. The indoor units shall be suitable for operation on 220 plus or minus operentage volts, 50Hz, 1 phase AC power supply. 3.0 TR – 4 wav at MCMHAP Healthuri. 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 . The insulation finished with treated woven glass fiber Lot 4,00,000.00 1,00,000.00 0,00 0,00 0,00 0,	70,000.00 70,000.00 -	70,000.00	35,000.00	No	2.00						
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 Supply, Installation , Testing and Commissioning of Material of construction for fittings shall be similar to 10 Set 6,191.00 61,910.00 10.00 Set 6,191.00 61,910.00	- 1,00,000.00)	50,000.00	No	0.00	1,00,000.00	50,000.00	No	2	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	374
Supply, Installation , Testing and Commissioning of Refinet joints to be provided in refrigerant pipe line. Material of construction for fittings shall be similar to 10 Set 6,191.00 61,910.00 Set 6,191.00 61,910.00		3 4,00,000.00	4,00,000.00	Lot	1.00	4,00,000.00	4,00,000.00	Lot	1	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	375
Refinet joints to be provided in refrigerant pipe line. Material of construction for fittings shall be similar to 10 Set 6,191.00 61,910.00 Set 6,191.00 61,910.00		+								Supply Installation Testing and Commissioning of	
refrigerant piping at MGMH Petlaburi			,			61,910.00	6,191.00	Set		Refinet joints to be provided in refrigerant pipe line. Material of construction for fittings shall be similar to refrigerant piping at MGMH Petlaburi	376

S.			As Pe	r Sanctioned	I Estimate		As Pe	r Working E	stimate			
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
377	Supply and Installation of control cum transmission wiring of size 3C x 1.5 Sqmm copper wire to be laid in heavy grade PVC conduit including all fixing and accessories at MGMH Petlaburi	150	Rmt	320.00	48,000.00	150.00	Rmt	320.00	48,000.00	-	-	
378	Supply and Installation of cabling of size 2C x 1 Sqmm copper wire to be laid in heavy grade PVC conduit including all fixing and accessories as per the approved routing at MGMH Petlaburi.	100	Rmt	255.00	25,500.00	100.00	Rmt	255.00	25,500.00	-	-	
					39,46,060.00			PART-A	27,29,746.00	3,66,308.00	15,82,622.00	
	<u>MGPS</u>											
379	SITC of Oxygen Manifold Emergency for 1 plus 1 Cylinders, as per technical specifications. at MGMH Petlaburj	1	Set	20,750.00	20,750.00	1.00	Set	20,750.00	20,750.00	-	-	
										-	-	
380	SITC of Oxygen 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	-	-	
										-	-	
381	SITC of Oxygen Flowmeter with Humidifier, CE Certified with four digit number as per enclosed technical specifications - Imported at MGMH Petlaburi	4	each	1,805.00	7,220.00	4.00	each	1,805.00	7,220.00	-	-	
-	OITO (NIII OIT MA THE									-	-	
382	SITC of Nitrous Oxide Manifold Emergency for 1 Cylinder, with high pressure Regulator, NRV, tailpipes etc. as per technical specifications at MGMH Petlaburi	1	Set	13,250.00	13,250.00	1.00	Set	13,250.00	13,250.00	-	-	
										-	-	

S.	DECORIDATION		As Pe	r Sanctioned	l Estimate		As Pe	r Working E	stimate	EVOEGO	1500	DEMARKS
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
	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	-	-	
	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-2022102- 01ofUK/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 Petlaburj	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 Petlaburj	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 Petlaburj	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	-	
	SITC of MEDICAL Grade BS EN: 13348 Kite Marked 28mm COPPER PIPE at MGMH Petlaburj	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 0D 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 0D at MGMH Petlaburi	3	each	2,740.00	8,220.00	3.00	each	2,740.00	8,220.00	-	-	

S.	DESCRIPTION		As Pe	r Sanctioned	l Estimate		As Pe	r Working E	stimate	EVOEDO	1500	REMARKS
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REWARNS
										-	-	
394	SITC of Medical Line Valve, As per CE Certified/UL Listed, As per Technical Specifications- Indian 28mm 0D 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 Petlaburi	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	

	DESCRIPTION				l Estimate			r Working E		EVALAG	1 500	DEMARKS
		QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
	Equipment Supplemental Works											
	3-Bay Surgical Scrub Station/Sink to be provided for use in the OT complex providing for pre-procedural scrub up with minimum three bay sink combination as suitable. The Scrub Station shall be made of Stainless Steel of 304 grade sheet with minimum thickness of 1.5mm and designed as per the high aesthetics of the theatre complex. Shall have smoothened surfaces & corners. The scrub sink shall be provided with a front access panel which shall be easily removed for access to the water-controlled valve, waste connections, stoppers & strainers. The Scrub station should be equipped with two foot operated and one elbow operated mechanisms. Shall have provision for fresh water and waste water piping ready for connections.	0				1.00	Nos	97,000	97,000.00	97,000.00	-	
i i i i i	Supply and installation of Stainless Steel 304 grade CSSD Rectangular Working table of size 1200x480x1050 mm with inbuilt sink of size 450x380x300 mm equipped with jali at bottom to stop any large particles entering into the drain to avoid drain clog. The table to be designed with raised front section and provision of SS sheet at foot level of the table forming a flat surface for storing/placing of items. The table to be of ready to use with all necessary fittings.	0	Nos			1.00	Nos	46,000	46,000.00	46,000.00	-	
f i	Writing board made of Pressed wood coated with melamine surface. It has 900mm writing surface height, 1200mm writing surface wide, and 11mm deep, suitable for working on dry wipe board markers. It has an aluminium frame with dark grey plastic corner caps and maker tray. It is enabled with an easy wall mounting with a concealed slot system. It can be mounted either horizontally or vertically. IT consists of a complete mounting set, marker tray, and a	0	Nos			1.00	Nos	2,100	2,100.00	2,100.00	-	
8	SS-304 working table of size 685x685x762 mm with I type support inner frame SS-304 pipe of size 40x40x1.5 mm, and top with 1.5 mm thick SS-304 sheet. All four legs equipped with adjustable nylone bushes.	0	Nos			2.00	Nos	16,300	32,600.00	32,600.00	-	
: :	SS-304 working table of size 457x457x762 mm with I type support inner frame SS-304 pipe of size 40x40x1.5 mm, and top with 1.5 mm thick SS-304 sheet. All four legs equipped with adjustable nylone bushes.	0	Nos			1.00	Nos	14,500	14,500.00	14,500.00	-	
6	SS-304 working table of size 610x610x762 mm with I type support inner frame SS-304 pipe of size 40x40x1.5 mm, and top with 1.5 mm thick SS-304 sheet. All four legs equipped with adjustable nylone bushes.	0	Nos			1.00	Nos	15,100	15,100.00	15,100.00	-	
6	SS-304 working table of size 660x610x762 mm with I type support inner frame SS-304 pipe of size 40x40x1.5 mm, and top with 1.5 mm thick SS-304 sheet. All four legs equipped with adjustable nylone bushes.	0	Nos			1.00	Nos	15,800	15,800.00	15,800.00	-	
l c t	Supply and fixing of Powder coated GI stand with 4 nos height adjustable racks of size 670x410x1570 mm connected to two big rods of rectangular hollow section type supported with 4 legs with wheels with brakes to restrict movement/easy movement. Equipped with frame for holding a cylinder. A lockable box type space to be	0	Nos			1.00	Nos	80,000	80,000.00	80,000.00	-	
\vdash	Civil Supplimental Items							PART-B	3,03,100	3,03,100		

	DESCRIPTION				l Estimate			r Working E	Juliuto .	EVALOR	1.500	DEMARKS
1		QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
	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, overheads & contractor profit etc., complete Finished item of work Old Cement Mortar		Sqm			289.14	Sqm	13	3,759.00	3,759.00	-	
	DISMANTING, 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, overheads & contractor profit etc., complete Finished item of work Reinforced Cement	0.00	Cum			0.59	Cum	4424	2,610.00	2,610.00	-	
	Providing Thermo Mechanically Treated (TMT) (Fe-500/500D/550D from primery producer TATA, SAIL, VSP, JSW Steel, Goel steel, Jindal panther, X- Vega & balaji Shakthi as per IS 1786-2008) of Different Diameters RCC Works , including labour charges for straightening, cutting, bending to required sizes and shapes, placing in position with cover blocks of approved materials and sizes and typing and lap - spacing with binding wire of 18 SWG, Forming grills for reinforcement work as per approved design and drawings, including and conveyanace of steel bars, including all wastages such as overlaps, coupling, chairs, spacer bars including cost and conveyance of binding wire cover blocks and incidential, operational, labour charges such as cutting bending, placing in position, typing incliding sales and other taxes on all materials etc., and overheads & contractors profit	0.00	МТ			0.3	МТ	116000	34,800.00	- 34,800.00	-	
	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with minimum cement content of 380 kgs per 1 cum of concrete using Weight Batcher / Concrete mixer with 20mm size graded machine crushed hard granite metal (coarse aggregate - as per IS 383 - 1970 and IS 2386 Part 1 to Part 8) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and sales & other taxes on all materials, centering using Casurina Ballies, Bamboos, Wooden Reapers, Runners, Wood Posts, Steel Plates etc., including all operational, incidental and labour charges such as weigh batching, machine mixing, lifting of concrete manually, laying concrete, curing, overheads & contractors profit etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No.		Cum			0.75	Cum	11900	8,925.00	- 8,925.00	-	

S.	DESCRIPTION		As Pei	r Sanctioned	l Estimate		As Pe	r Working E	stimate	EVOEDO	1.500	DEMARKO
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
13	Providing skirting to internal walls to 10 cm height with Double charged / multi charged stain free fullbody porcelain vitrified tiles with double layer pigment of size 600 x 600 mm and thickness between 8-10 mm 1st quality conforming to IS:15622 - 2017, IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs, length equal to flooring tiles, set over base coat of CM(1:5) 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.,and overheads & contractors profit complete for finished item of work.(APSS		Rmt			174.5	Rmt	162	28,269.00	28,269.00	-	
14	опрыя апи позыванию спануе гоон Cubicles at Fetiabuly		\vdash								-	
	Hospital GENERAL SPECIFICATIONS: Thickness of compact Laminate:12mm Thick Colour OF HPL Boards,In Single Colour,Size of Cubicle As per DWG, Door Size For Normal Cubicles AS per DWG Overall Height of Cubicle,2105mm Including bottom gap of 100mm,Accessories , Manufacturers standard makes of aluminium , SS Accessories .a Aluminium H Top Rail b. SS Hinges c. SS privacy Thumb turn occupancy indicator d.SS coat hook e. SS Door knob f. Aluminium U Channel g.Aluminium Door Stopper Channel h. Runner lining i.SS	0.00	Sqm			11.3	Sqm	9055	1,02,322.00	1,02,322.00	<u>-</u>	
15	Supply & Installation of MS Angle for Duct Support, Cable									-	-	
15	Tray Support and Condensing Unit Stand of size 50 X 50 x 5 mm Thick.	0.00	Rmt			62.2	Rmt			-	-	
16	Cumply 9 Installation of MC Aprila for Durat Compart College									-	-	
10	Supply & Installation of MS Angle for Duct Support, Cable Tray Support and Condensing Unit Stand of size 32 X 32 x 5 mm Thick.	0.00	Rmt			29.56	Rmt			-	-	
17	Providing, Fabricating and fixing full height V-board									-	-	
	partitions of overall thickness of 75mm Partition frame work to be formed out of 50 X 25mm aluminium frame work placed vertically and horizontally at required centre to centre and cross braced with floor and ceiling channels. The cross bracing channels shall be provided also at above and below the partition framework and to be secured to floor at bottom and to any nearest structural member using galvanized metal screws and wooden / PVC rawl plugs. Partition framework to be cladded with 12.5mm thick tapered edge board on both sides of the partition in line and level fixed with drywall screws @ 300mm c/c with staggered joints to avoid through joints and finished with	0.00	Sqm			13.7	Sqm	1625	22,263.00	22,263.00	-	
										-	-	
										-	-	

S.	PERCENTION	As Per Sanctioned Estimate As Per Working Estimate						stimate	EVOEGO	. 500	DEMARKS	
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
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 (Acrolynitrile 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 -		Sqm			32.08	Sqm	9241	2,96,451.00	2,96,451.00	-	

S.	DECORPORTION		As Pei	r Sanctioned	l Estimate		As Pe	r Working E	stimate	EVOESS	1500	REMARKS
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
	Providing and fixing factory made solid Wood Polymer Composite (WPC) single extruded Door Frame section of 100*65 MM with encapsulation of 6 MM rigid layer on all external surfaces. The door frame will have a rebate of 32MM/ 37 MM. The two Vertical members are to be joined together with the horizontal member using 8x75 MM long MS Star full thread screws to be used with reverse forward speed control hand drilling machine. The ready/assembled door frame is fixed to wall using Z Hand fast 300 MM long mold fast. Supplying and fixing of 28/30 mm thick Wood Plastic Composite (WPC) Door shutter, comprising of 70% virgin polymer, 15% wood powder (fiber), and the remaining 15% additives, comprising of virgin PVC polymer of K value 58-60 (Suspension grade), Calcium carbonate and natural fibers (wood powder) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum door density of 650 kg/cum, screw withdrawal strength 1800N (Face) & 900N (Edge), Modulus of Elasticity 900N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer poof, water/moisture proof and fire retardant and fixed in position with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk SS	0.00	Sqm			9.21	Sqm	6734	62,020.00	62,020.00	-	
	Supplying and fixing of to windows / in open court yards using 25mm x 6mm MS flat alround and 10mm MS square pars horizontally at 125mm centre to centre and vertically at 300mm centre to centre including fixing with 4 Nos of MS Z holdfasts (2 on each side) duly making cutting brick masonry, fixing and making to original surface neatly and painting grill with one coat of red oxide primer including cost all taxes and conveyance of all materials including cutting, pending, welding including all operational charges and all abour charges etc., complete for finished item of work.		Sqm			39.78	Sqm	1569	62,415.00	62,415.00	-	
11 11 11 11 11 11 11 11 11 11 11 11 11	50 LPH storage type RO of dimensions 525 x 425 x 1450 mm (WxDxH) of approx. weight 75Kg consists of 4 nos of 80 GPD 3-layer Thin Film Composite (TFC) membrane with 0.0001-micron pore size which can prevent TDS, heavy metals and equipped with 6 stage purification process which reduces pesticides in the water for reducing scale formation when water is heated. The RO should take min nput pressure of 0.6 kg/cm2, 2000 ppm of TDS in Water, 500 ppm of Hardness, 6.5 to 8.5 PH of water which can give output of 20 to 25 % recovery in purified water and can run on 230V AC, 50 Hz supply with operating temp of 5°C	0	Nos			1.00	Nos	75000	75,000.00	75,000.00	-	
\dashv								PART-B	7,54,834	7,54,834		
-	Plumbing Supplimental Works								.,,	.,,		

S.	DESCRIPTION	As Per Sanctioned Estimate				As Pe	r Working E	stimate_	EXCESS	1500	REMARKS	
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REWARKS
	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 Tata or Zenith make		Rmt			35.10	Rmt	599	21,025.00	21,025.00	-	
								PART-B	21,025	21,025		

S.	DECORIDATION		As Pei	r Sanctioned	Estimate		As Pe	r Working E	stimate	EXCESS	1.500	DEMARKS
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
	Electrical Supplimental Items											
24	Supply and Transportation 56W Clean room Light fixture, 2' x2' (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 > 0.9, Surge protection >2KV, System efficacy of >100 lumens/watt, CCT: 3000K - 6500K as desired by the department, CRI >80, and THD is less than 15% etc., complete. Make:	0.00	Nos			12	Nos	17241	2,06,892.00	2,06,892.00	-	
25	Supply and Transportation of 48" (1200 mm) High Speed Fan Sweep Celing Fan with all accessories etc., complete. Make Havells S S 390	0.00	Nos			25	Nos	4317	1,07,925.00	1,07,925.00	-	
26	Labour charges for fixing of ceiling fan and regulator									-	-	
20	including transportation and giving connections with twin core wire etc., complete.	0.00	Nos			25	Nos	185	4,625.00	4,625.00	-	
										-	-	
27	Supply and fixing of Anchor fastner with fan hook / Providing MS Fan hook with grouting and cement	0.00	Nos			25	Nos	122	3,050.00	3,050.00	-	
28	Supply & fixing of 2nos6A, 2 in one socket - 2 Nos with 6A switch control - 2 Nos modular type with and GI switch box with front cover plate including all labour charges etc., complete. Makes of switches: -Hooney well Benz Plus	0.00	Nos			18	Nos	1178	21,204.00	21,204.00	-	
										-	-	
29	Supply and erecting 19/20mm steel tube down rod of one meter length with bolts & nuts duly painted with matching colour of fan complete	0.00	Nos			25	Nos	162	4,050.00	4,050.00	-	
30	Supply and fixing of 12 Way SPN DB Horizontal with IP 43 Protection as per IS:13032 Makes: Legrand and Supply and Fixing of 1 No., of 63A FP MCB as incomer and 8 Nos 6-32 A 10kA SP MCBs Makes: Legrand-DX3 as out goings including internal connections and labour charges for FLUSH Mounting etc., complete. (For UPS DBs)	0.00	Nos			2	Nos	9444	18,888.00	18,888.00	-	
31	Supply and fixing of cable adopteres box with cover for						+-+				-	
31	DBs including, massanory work etc., complete.,	0.00	Nos			8	Nos	5085	40,680.00	40,680.00	-	
32	Supply and fixing of FP Metal Enclosure with IP 20 Protection DB Make with 1 No 63A, 10 KA DP MCB including internal connection and labour charges for Flush Mounting etc.,complete. Makes of Enclousure: Legrand MCB Makes: Legrand-DX3	0.00	Nos			2	Nos	4203	8,406.00	8,406.00	-	

size made arrangeme Tank proce board, suita pillar with of Legrand / S din channe control, con provision for finished ite connecting MCR as inv Fire Figh 34 Supply, Ins alarm Pane 160 Charan which will h RS-485 Ne Inbuilt USE Configurati inbuilt NAC Loop Card Commissic board, whie 50/60 Hz, k		-	As Pe	r Sanctioned	Estimate		As Pe	r Working E	stimate			
size made arrangeme Tank proce board, suita pillar with of Legrand / S din channe control, con provision for finished ite connecting MCR as inc Fire Figh 34 Supply, Ins alarm Pane 160 Charar which will h RS-485 Ne Inbuilt USE Configurati inbuilt NAC Loop Card Commissic board, whie 50/60 Hz, k	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
Fire Fight 34 Supply, Insalarm Pane 160 Charac which will Ir RS-485 Ne Inbuilt USE Configurati inbuilt NAC Loop Card Commissic board, whic	Supply and fixing of suitable out door feeder piller 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 invidual 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 MCR as incomer. 9 Nos 6.32A SP MCRs	0.00	Nos			1	Nos	35000	35,000.00	35,000.00	-	
34 Supply, Insalarm Pane 160 Charac which will I RS-485 Ne Inbuilt USE Configurati inbuilt NAC Loop Card Commissic board, whic								PART-B	4,50,720	4,50,720		
alarm Pane 160 Charac which will h RS-485 Ne Inbuilt USE Configurati inbuilt NAC Loop Card Commissic board, whice 50/60 Hz, k	Fire Fighting Supplemental Works											
MODBUS (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 ‡ 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,	0.00	Nos			1.00	Nos	2,91,366 PART-B	2,91,366.00 2,91,366	2,91,366.00	-	

S.	DECORPTION		As Pe	r Sanctioned	l Estimate		As Pe	r Working E	stimate_	EVOEDO	1500	DEMARKS
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
	Air Conditioning Supplemental Works											
35	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		Nos			1	Nos	4,46,250.00	4,46,250.00	4,46,250.00	-	
36	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 2.0 TR – 4 way at MGMH Petlaburi	0.00				2	Nos	45000	90,000.00	90,000.00	-	
37	Modular Double skin floor mounted EUROVENT Certified Air Handling Unit 4400CFM / 11.0 TR / 150mm SP made out of 45 plus or minus 2mm thick PUF insulated panels Thermal break aluminium profile frame work with 0.8mm thick pre painted / powder coated inner and outer skins comprising of mixing box with fresh air and return air dampers, pre filters with 10 and 5 microns combination filters in single frame, Interlaced/Intertwined DX Cooling Coil suitable for connecting 2 nos of 11.0TR capacity 1W plus 1S out door condensing units, SS304 drain pan with , blower section with Nicotra / Kruger make direct drive/ Plug type fan, vibration isolators, EFF1 motor and blower section with on/off switches to operate from outside, limit switch for the fan section access door with a view port, fine filter section with 3 microns filters inspection doors for all filter and fan sections and damper at the outlet of unit. Ports for differential pressure gauges across all filters and blower to measure differential pressure. AHU Make: VTS / Systemair, Make - Blower - Nicotra / Kruger; Motor -	0.00	Nos			1	Nos	708000	7,08,000.00	7,08,000.00	-	

S.	DECODIDEION	-	As Pei	r Sanctioned	Estimate		As Pe	r Working E	stimate	EVOEGO	1.500	DEMARKS
No	DESCRIPTION	_	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT		AMOUNT (Rs.)	EXCESS	LESS	REMARKS
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	-	
	MCDS Supplemental Works							PART-B	16,81,050.00	4,36,800		
39	MGPS Supplemental Works Fully Automatic Control Panel for Oxygen System: Supply, installation and commissioning of Fully Automatic control panel for unintrupted Oxygen supply	0	Set			1.00	Set	1,75,180	1,75,180.00	1,75,180.00	-	
40	Trigas Emergency Manifold: 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	Fully Automatic Control Panel for Trigas System: Supply, installation and commissioning of Fully Automatic control panel for unintrupted Nirous Oxide supply.	0	Set			1.00	Set	1,75,180	1,75,180.00	1,75,180.00	-	
42	Fully Automatic Control Panel for CO2 System: Supply, installation and commissioning of Fully Automatic control panel for unintrupted Nirous Oxide supply.	0	Set			1.00	Set	1,75,180	1,75,180.00	1,75,180.00	-	
43	SITC of Medical Air-4 Outlet 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 Note: New item added	0	Nos.			3.00	Nos.	930	2,790.00	2,790.00	-	
45	Supply and installation of 46.7 liter size CO2 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	-	

S.	DECORIDATION		As Pe	r Sanctioned	l Estimate		As Pe	r Working E	stimate	EVOESS	1.500	DEMARKO
No	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)	EXCESS	LESS	REMARKS
46	Supply and installation of 46.7 liter size O2 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	17,850	35,700.00	35,700.00	-	
47	Supply and installation of 46.7 liter size Trigas 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	29,250	58,500.00	58,500.00	-	
48	Supply and installation of 46.7 liter size N2O 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	33,000	66,000.00	66,000.00	-	
								PART-B	8,14,670	8,14,670	8,14,670	
			тот	TAL (PART-B)	0.00				43,16,765	43,16,765		
	GRAND TOTAL				#######################################				4,83,40,780	88,61,146	29,25,665	
							TO	TAL EXCESS	59,35,481			