Schedule of Requirements (SOR)

The Procurement of Supply, Delivery, Installation and Commissioning of Modular OT, Post-Operative Ward Setup and Recovery Room Setup

IFB No.: 80103350210/KMNH/Goods/NCB/02/2083/84

Provisional Sum					
SL. No.	**Item Description**	**Unit**	**Quantity**	**Unit Rate (NPR)**	**Amount (NPR)**
PS.1	[I. PROVISIONAL SUM] A. Insurance Premium For The Work, Equipment,Plant And Materials Damage For Contract Work For All Risk Including Riot, Strike, Damage, Malicious Damage And Terrorism For Contract Work For 6 Months + 1 Year Maintenance Period.	Job	1.00	6,83,597.53 Six lakh eighty-three thousand five hundred ninety-seven rupees and fifty-three paisa only.	6,83,597.53 Six lakh eighty-three thousand five hundred ninety-seven rupees and fifty-three paisa only.
PS.2	[I. PROVISIONAL SUM] B. Insurance Premium For The Insurance Of Owner Staff And Consultant Staff (10 Person) Rs.10,00,000.00 Per Person Throughout The Whole Contruction Period.	Job	1.00	7,912.00 Seven thousand nine hundred twelve rupees only.	7,912.00 Seven thousand nine hundred twelve rupees only.
PS.3	[I. PROVISIONAL SUM] C. Insurance Premium For Third Party Liability Personal Only Per Person Rs.2,00,000.00 For 10 Persons For 1 Year	Job	1.00	7,48,382.78 Seven lakh forty-eight thousand three hundred eighty-two rupees and seventy-eight paisa only.	7,48,382.78 Seven lakh forty-eight thousand three hundred eighty-two rupees and seventy-eight paisa only.
PS.4	[I. PROVISIONAL SUM] D. Preparation Of As Built Drawings Of Mechanical, Electrical, Plumbing All Complete As Per Instruction By Consulting Engineer	Job	1.00	50,000.00 Fifty thousand rupees only.	50,000.00 Fifty thousand rupees only.
	Total provisional sums				14,89,892.31 Fourteen lakh eighty-nine thousand eight hundred ninety-two rupees and thirty-one paisa only.

Package 1: Hospital facilities construction work
CPV: 45215140-0 - Hospital facilities construction work
Hospital facilities construction work

SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.1	Site Clearance [II. CIVIL WORKS] Site Clearance : Clearing, grubbing and cleaning of site for construciton. This includes removal of aluminium door/partition, minor demolition and patches, relocation/ dissembling of all furniture and OT equipmets to designated location, dismantling of medical gas pipeline and duct(if necessary) and disconnecting electrical lines before start of construction, all complete as per drawings, specification & instructions of site engineer. Debris to be safely trasported out of hospital Premises.	Job	1.00			
1.2	Demoliton of Existing brickwork [II. CIVIL WORKS] 1. Demoliton of Existing brickwork: Demolition Of Existing Brick Walls, Debris To Be Safely Transported And Dispose Out Of building premises. Contractor Must Visit Site Before Providing Price For This Item.	Cu.m	54.063			
1.3	Demoliton of Existing RCC elements [II. CIVIL WORKS] 2. Demoliton of Existing RCC elements: Demolition Of Existing RCC Elements, Debris To Be Safely Transported And Dispose Out Of building premises. Contractor Must Visit Site Before Providing Price For This Item.	Sq.m	9.005			
1.4	Dismantling of exisiting ceiling (gypsum/ wall panels) [II. CIVIL WORKS] 3. Dismantling of exisiting ceiling (gypsum/ wall panels): Dismantling of existing gypsum false ceiling/ OT Puff panel-ceiling , all complete as per instruction of site engineer. Debris to be safely transported and disposed out of hospital premises. Contractor must visit site before providing price for this item.	Sq.m	442.959			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.5	Dismantling of existing flooring [II. CIVIL WORKS] 4. Dismantling of existing flooring: Dismantling of existing flooring (c/s floor finsihes/ tile flooring/ vinyl flooring) , all complete as per instruction of site engineer. Debris to be safely transported and disposed out of hospital premises. Contractor must visit site before providing price for this item.	Sq.m	152.16			
1.6	Providing and laying chimney made first class 230mm brick masonary work in 1 [II. CIVIL WORKS] 5. Providing and laying chimney made first class 230mm brick masonary work in 1:6 cement mortar in internal and external all areas including scaffolding and curing as per drawings and and instruction of Engineer all complete.	Cu.m	52.15			
1.7	Providing and laying chimney made first class half brick masonry work in 1 [II. CIVIL WORKS] 6. Providing and laying chimney made first class half brick masonry work in 1:4 cement mortar in internal & external all areas with 4" horizontal RCC band beams at regular intervals as shown in drawings including scaffolding, curing and as per the instruction of engineer all complete.	Sq.m	47.535			
1.8	Sill/Lintel Bands [II. CIVIL WORKS] 7. Sill/Lintel Bands: Providing, laying , compacting & curing plain cement Concrete for RCC footings, Raft foundation ,slab, columns, beams, tie beam, retaining walls and all kinds of R.C.C. works with cement, sand & stone ballast 40mm down finishings to approved level, lines & dimensions all complete as per drawings, specifications & instructions of site engineer and all complete.Providing and Laying Of PCC (1:2:4) in flooring works and base PCC	Cu.m	4.129			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.9	Formwork [II. CIVIL WORKS] 8. Formwork:Centering and shuttering with steel or water proof 19mm-12mm plywood material for all kinds of work including all necessary propping, scaffolding, staging, supporting etc. as per drawing, specification, and instruction of site engineer and all complete.	Sq.m	52.775			
1.10	Tmt Thermex Steel Reinforcement Bar (Fe-500) [II. CIVIL WORKS] 9. Tmt Thermex Steel Reinforcement Bar (Fe-500):Providing, Straightening, Cleaning, Cutting, Fabricating, Bending And Placing Tmt Thermex Steel Reinforcement Bars And Binding The Bars With 20SWG Annealed Wire For Tying Them At Each Junction As Per Design And Details For All Types Of Rcc Elements Including All Waste And Cut Pieces, Provision For Spacers, Chairs, Providing And Placing Cement Mortar (1:1) Cover Blocks To Keep The Bars In The Intended Position At All Levels, All Complete.: Tmt Reinforcement	Mt	0.486			
1.11	Plaster Works [II. CIVIL WORKS] 10. Plaster Works: 12.5 Mm Thick C/S (1:4) Plaster On Walls With Specified Mortar Mix Ratio In Any Level , Size And Shape Of Wall , Ceiling, Band, Blocks Etc. As Required Including Racking, Watering , Cleaning Of Base, Plastering To Plumb, Line, Level, Smoothness Etc. And Including Curing And Necessary Single Or Multiple Stage Scaffoldings Works, All Complete As Per Drawing , Specification, And Instructions.	Sq.m	616.233			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.12	Wall Putty [II. CIVIL WORKS] 11. Wall Putty: Providing The Wall Putty (Jk Or Birla) To Internal Plastered Or Other Surface,PUF Panels Cement Board, Precast Concrete Of Any Shape, Size And Height With Specified Material Of Approved Quality And Sanding Surface, Watering (If Necessary) , Cleaning And Applying Two Coats Of Primer To Get Uniform Color And Finish Etc Including Scaffolding At All Levels. All Complete As Per Drawing, Specification And Instructions .	Sq.m	381.28			
1.13	Full Glazed Vitrified Matt/ Glossy Tile [II. CIVIL WORKS] 12. Full Glazed Vitrified Matt/ Glossy Tile: Supplying and laying of approved quality full body homogeneous fully vitrified tiles of minimum 8.5mm thickness on floor surfaces of size as per drawing with 1:4 cement,sand mortar with proper finish in perfect line and level works including proper grout in joints of matching color using 3mm spacers with proper slope as per design, drawings, specifications and instructions of the Engineer all complete. Brand : Nexion, Simpolo or equivalent. Size in mm: (600x 600)	Sq.m	89.834			
1.14	Full Body Vitrified Tile Skirting [II. CIVIL WORKS] 13. Full Body Vitrified Tile Skirting: Supplying and laying of approved quality full body fully Vitrified Tile Skirting of height 100mm, with 12 mm thick 1:6 cement sand mortar or adhesive with proper finish in perfect line and level works including proper grout in joints of matching color as per design, drawings, specifications and instructions of the Engineer all complete. Brand : Nexion, Simpolo or equivalent.	Ru.m	115.657			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.15	Porcelain Non Glazed floor tile at toilet Floor [II. CIVIL WORKS] 14. Porcelain Non Glazed floor tile at toilet Floor: Supplying and laying of approved quality non-slip fully vitrified tiles of minimum 8.5mm thickness at Toilet, Pantry and Store rooms on floor surfaces of size as per drawing with approved polymer based adhesive with proper finish in perfect line and level works including proper grout in joints of matching color using 3mm spacers with proper slope as per design, drawings, specifications and instructions of the Engineer all complete. Brand : Nexion, Simpolo or equivalent. Size in mm: (600x 600) Base Rate 200 Per Sqft)	Sq.m	9.92			
1.16	Vitrified Wall Tile on Toilet & Pantry Supplying and fixing of approved quality [II. CIVIL WORKS] 15. Vitrified Wall Tile on Toilet & Pantry Supplying and fixing of approved quality high glossy fully vitrified tiles of minimum 8.5mm thickness at toilet on Wall surfaces of size as per drawing with 1:3 cement, sand mortar and approved polymer based adhesive with proper finish in perfect line and level works including proper grout in joints of matching color using 3mm spacers as per design, drawings, specifications and instructions of the Engineer all complete Brand : Nexion, Simpolo or equivalent. Size in mm: (60x 120)	Sq.m	46.473			
1.17	Acoustic Grid Ceiling [II. CIVIL WORKS] 16. Acoustic Grid Ceiling: Supplying and installing Mineral Fiber Acoustic Board False Ceiling: 600mm x 600mm acoustic board false ceiling with 44 mm high Silhouette main Runner and Cross Tee with 3mm reveal each, with suspension hangers with spacing no larger than 400mm as per drawing, specification and direction of Engineer. Materials: Suspension System - Mirror Look XL 15 mm/ black groove silhouette main Runner and Cross Tee with 3mm reveal each Board: 600 x 600 x 15/16 mm board (Beveled Tegular) Brand: Gyproc, Usgknauf or equivalent.	Sq.m	268.297			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.18	Supplying and fitting Aluminium fixed panel window with Ventilation but without [II. CIVIL WORKS] 17. Supplying and fitting Aluminium fixed panel window with Ventilation but without fly mesh shutter from section (88 x38.1x1.3)mm all complete as oer drawing aspecification and instruction of site in charge	Sq.m	65.88			
1.19	Supplying and fitting Aluminium swing door section of (101 x45 x1.5)mm & 5mm [II. CIVIL WORKS] 18. Supplying and fitting Aluminium swing door section of (101 x45 x1.5)mm & 5mm glass all complete as oer drawing aspecification and instruction of site in charge	Sq.m	14.07			
1.20	Supplying, Transporting, Fabricating and installing Mild Steel truss, Post [II. CIVIL WORKS] 19. Supplying, Transporting, Fabricating and installing Mild Steel truss, Post including purlins (tubular/square section) of approved steel sections, including necessary cleat angle, base plates, anchoring, hooks, nuts and bolts and applying two coats of metal primer on cleaned surface of steel all complete as per specification, drawings and instruction of the Site Engineer. The fabrication of truss using steel tubes shall be done in accordance with I.S. 800 - 1962. Welding shall be done with reference to the I.S. 820 and I.S. 816 - 1956 (Note: MS section of minimum yield strength of 25 kg/sqmm.)	Kg	9,525.45			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.21	Providing and Applying polymer modified acrylic base two component, Flexible	Sq.m	36.476			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
	[II. CIVIL WORKS] 20. Providing and Applying polymer modified acrylic base two component, Flexible water proofing coating in two layers applied in horizontal and vertivle strokes, when each coat is in tacky condition, having crack bridging to ASTM C836:>2.0mm elongation , to ASTM D 412-16 ca 192% and water tightness when installed: 2.5 bar meeting the (ASTM D412-98a) over the prepared RCC slab and on verticle surface, After 3 days ponding the area with water for 3 days to test water tightness etc complete.					
1.22	Supply and Installation of CGI Corrugated Roofing Sheets corrugated pattern of [II. CIVIL WORKS] 21. Supply and Installation of CGI Corrugated Roofing Sheets corrugated pattern of thickness 0.55 mm (colour of the sheet shall be as approved by the project Engineer).The sheets are to be laid onto the purlins, staggered, and overlapped by 200 mm for pitches below 15° and 170 mm for pitches >15°. The sides are to be lapped by one corrugation for normal conditions, or two corrugations for exposed sites. Fixing is done by Self driven screw- at every corrugation at the end purlins and at alternative corrugations for intermediate purlins, using on average 20 nos self driven screw per sheet. An overlap of 125 mm is to be provided between the roofing sheet and ridge. For cladding the sheets are to be overlapped by 170 mm and a side lap of one corrugation and fill corrugation at eve and ridge to prevent dust and sand into the roof space. The side laps are to be laid in the opposite direction to the prevailing wind all Complete as per drawings and instruction of the Site Engineer.	Sq.m	90.00			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.23	Cabinets [III. FURNITURE WORKS] 1. Cabinets: Providing And Fixing In Position Approved Quality And Coloured Full Filing Cabinet For Document Storage Made Up Of 19 Mm Surya/Sagun Ply For Vertical/Horizontal Support Be Finished With 1Mm Thick Approved Laminates Applied With Fevicol Adhesive.The Cabinet Shall Have High Quality S.S. Locks And Handles On All Drawer And Heavy Duty Runners On All Shutters And Also 6mm Thick Cleasr Glass Shutters With Magnetic Lock. All | Complete As Per Drawing , Specification And Instructions.	Sq.ft	26.46			
1.24	Linear Desk [III. FURNITURE WORKS] 2. Linear Desk: Providing And Fixing In Position Approved Quality And Coloured | Linear Working Desk With Drawers Made Up Of 19 Mm Commercial Ply For Vertical/Horizontal Support Be Finished With 1Mm Thick Apprved Laminates Applied With Fevicol AdhesiveThe Desk Shall Have Laminated Keyboard Tray And Fixed Drawer Made Up Of Approved Quality Board With High Quality S.S. Locks And Handles On All Drawer And Heavy Duty Runners On All Shutters. All Complete As Per Drawing , Specification And Instructions.	Sq.ft	5.288			
1.25	Providing designer sofa for executives made up of fabric with high density [III. FURNITURE WORKS] 3. Providing designer sofa for executives made up of fabric with high density u-foam for the back and seat with necessary wooden/metal frame work, SS legs all accessories all complete as per drawing, specification/list of approved make and direction of Engineer. The sofa shall have SS ot Aluminium/wooden legs of approved colour and design and the base rate of fabric shall be Rs. 1,800/meter.	Seater	9.00			

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1.26	Providing and fixing in position (Parryware or equivalent (500mm x x400 mm [IV. SANITARY WORKS — (a). SANITARY INSTALLATION] 1. Providing and fixing in position (Parryware or equivalent (500mm x x400 mm white glazed wash basin with pedestral pillar cockCI brackets, rubber plug stay & chain angle valves, feeder pipe , Cp waste pipe all complete accessories as per specification and instructed by engineer.	Nos	4.00			
1.27	Providing and fixing Porcelain clay white glaze Indian Pattern Comode [IV. SANITARY WORKS — (a). SANITARY INSTALLATION] 2. Providing and fixing Porcelain clay white glaze Indian Pattern Comode (Hindware, Parryware or equivalent) with complete set all accessories fittings complete set as per specification and instructed by engineer.	Nos	3.00			
1.28	Providing and fixing 15mmØ (Jaguar or equivalent) CP Bib cock with aerator [IV. SANITARY WORKS — (a). SANITARY INSTALLATION] 3. Providing and fixing 15mmØ (Jaguar or equivalent) CP Bib cock with aerator, water connections and testing all complete accessories fittings as per specifications and instructed by engineer.	Nos	3.00			
1.29	Providing and fixing in position 15mm Ø Cp two- way angle valve with wall [IV. SANITARY WORKS — (a). SANITARY INSTALLATION] 4. Providing and fixing in position 15mm Ø Cp two- way angle valve with wall flange and CP nipple with water connections all complete works as per specification and instructed by engineer	Nos	3.00			
1.30	Providing and fixing in position 15mm Ø Cp one- way angle valve with wall [IV. SANITARY WORKS — (a). SANITARY INSTALLATION] 5. Providing and fixing in position 15mm Ø Cp one- way angle valve with wall flange and CP nipple with water connections all complete works as per specification and instructed by engineer	Nos	3.00			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.31	Mirror- Providing and fixing 550mm x x400 mm bevelled edge 6mm thick modiguard [IV. SANITARY WORKS — (a). SANITARY INSTALLATION] 6. Mirror- Providing and fixing 550mm x x400 mm bevelled edge 6mm thick modiguard or equivalent looking mirror with asbestos backing and CP screws, clips all complete works as per instructed by engineer.	Nos	5.00			
1.32	Providing and fixing in the position Cp Towel rod - Heavy 1.5 x 60 cm (.5"x [IV. SANITARY WORKS — (a). SANITARY INSTALLATION] 7. Providing and fixing in the position Cp Towel rod - Heavy 1.5 x 60 cm (.5"x x24") American Standard or equivalent with CP caps and 55 screws all complete works as per specifications and instructed by engineer.	Nos	5.00			
1.33	Providing and fixing chrome plate or equivalent soap dish all complete works as [IV. SANITARY WORKS — (a). SANITARY INSTALLATION] 8. Providing and fixing chrome plate or equivalent soap dish all complete works as per specification and instructed by engineer.	Nos	4.00			
1.34	Providing and fixing in position Porcelain White Clay Toilet paperholder [IV. SANITARY WORKS — (a). SANITARY INSTALLATION] 9. Providing and fixing in position Porcelain White Clay Toilet paperholder (recessed type) American Standard or equivalent as per Specifications and instructed by engineer.	Nos	3.00			
1.35	PVC Multi-floor trap with SS grating [IV. SANITARY WORKS — (a). SANITARY INSTALLATION] 10. PVC Multi-floor trap with SS grating	Nos	6.00			

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1.36	CPVC pipes SDR-11 including MS clamps and brackets - 32 mm [IV. SANITARY WORKS — (b). WATER SUPPLY INSTALLATION] 1. CPVC pipes SDR-11 including MS clamps and brackets, nails and hooks, and all necessary CPVC/Brass specials required for complete installation, cutting, jointing, sealing of joints etc, installation of pipes and specials including making holes and cutting grooves on walls or floor and repairing the same to its original finish. Pipes to be installed on trenches or walls or floor or duct as per drawings, specifications and instructions, cleaning of the system, testing and ready for operation. The rate shall include for all labour and materials required. The measurement shall be done for running meters, fittings etc not payable seperately. (Astral/Raksha/Ashirbad/Marvel or equivalent CPVC) - 32 mm	Ru.m	45.25			
1.37	CPVC pipes SDR-11 including MS clamps and brackets - 25 mm [IV. SANITARY WORKS — (b). WATER SUPPLY INSTALLATION] 1. CPVC pipes SDR-11 including MS clamps and brackets, nails and hooks, and all necessary CPVC/Brass specials required for complete installation, cutting, jointing, sealing of joints etc, installation of pipes and specials including making holes and cutting grooves on walls or floor and repairing the same to its original finish. Pipes to be installed on trenches or walls or floor or duct as per drawings, specifications and instructions, cleaning of the system, testing and ready for operation. The rate shall include for all labour and materials required. The measurement shall be done for running meters, fittings etc not payable seperately. (Astral/Raksha/Ashirbad/Marvel or equivalent CPVC) - 25 mm	Ru.m	146.25			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.38	CPVC pipes SDR-11 including MS clamps and brackets - 20 mm [IV. SANITARY WORKS — (b). WATER SUPPLY INSTALLATION] 1. CPVC pipes SDR-11 including MS clamps and brackets, nails and hooks, and all necessary CPVC/Brass specials required for complete installation, cutting, jointing, sealing of joints etc, installation of pipes and specials including making holes and cutting grooves on walls or floor and repairing the same to its original finish. Pipes to be installed on trenches or walls or floor or duct as per drawings, specifications and instructions, cleaning of the system, testing and ready for operation. The rate shall include for all labour and materials required. The measurement shall be done for running meters, fittings etc not payable seperately. (Astral/Raksha/Ashirbad/Marvel or equivalent CPVC) - 20 mm	Ru.m	120.25			
1.39	CPVC Ball Valve, CTS sockets - 32 mm dia. [IV. SANITARY WORKS — (b). WATER SUPPLY INSTALLATION] 2. CPVC Ball Valve, CTS sockets - 32 mm dia.	Nos	1.00			
1.40	CPVC Ball Valve, CTS sockets - 25 mm dia. [IV. SANITARY WORKS — (b). WATER SUPPLY INSTALLATION] 2. CPVC Ball Valve, CTS sockets - 25 mm dia.	Nos	3.00			
1.41	CPVC Ball Valve, CTS sockets - 20 mm dia. [IV. SANITARY WORKS — (b). WATER SUPPLY INSTALLATION] 2. CPVC Ball Valve, CTS sockets - 20 mm dia.	Nos	3.00			

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1.42	PP Drainpro (Soil, Waste, Rain) pipes with all - 110 mm ED 6 kg/cm2 [IV. SANITARY WORKS — (c). SEWER, VENT, RAIN AND WASTE WATER INSTALLATION] 3. PP Drainpro (Soil, Waste, Rain) pipes with all necessary ring gaskets, PVC fittings, including MS clamps, hangers, cutting, jointing, sealing, installation of pipes and specials including making holes and cutting grooves on walls or floor and repairing the same to its original finish. Pipes to be installed on trenches or walls or floor or duct or hung to ceilings as per drawings, specifications, manufacturer's recommendations, instructions, cleaning of the system, testing and ready for operation. The rate shall include for all labour and materials required. The measurement shall be done for running meters, fittings etc not payable seperately. (Astral/Raksha/Ashirbad/Marvel or equivalent PVC) - 110 mm ED 6 kg/cm2	Ru.m	40.25			
1.43	PP Drainpro (Soil, Waste, Rain) pipes with all - 75 mm ED 6 kg/cm2 [IV. SANITARY WORKS — (c). SEWER, VENT, RAIN AND WASTE WATER INSTALLATION] 3. PP Drainpro (Soil, Waste, Rain) pipes with all necessary ring gaskets, PVC fittings, including MS clamps, hangers, cutting, jointing, sealing, installation of pipes and specials including making holes and cutting grooves on walls or floor and repairing the same to its original finish. Pipes to be installed on trenches or walls or floor or duct or hung to ceilings as per drawings, specifications, manufacturer's recommendations, instructions, cleaning of the system, testing and ready for operation. The rate shall include for all labour and materials required. The measurement shall be done for running meters, fittings etc not payable seperately. (Astral/Raksha/Ashirbad/Marvel or equivalent PVC) - 75 mm ED 6 kg/cm2	Ru.m	30.14			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.44	PP Drainpro (Soil, Waste, Rain) pipes with all - 50 mm ED 6 kg/cm2 [IV. SANITARY WORKS — (c). SEWER, VENT, RAIN AND WASTE WATER INSTALLATION] 3. PP Drainpro (Soil, Waste, Rain) pipes with all necessary ring gaskets, PVC fittings, including MS clamps, hangers, cutting, jointing, sealing, installation of pipes and specials including making holes and cutting grooves on walls or floor and repairing the same to its original finish. Pipes to be installed on trenches or walls or floor or duct or hung to ceilings as per drawings, specifications, manufacturer's recommendations, instructions, cleaning of the system, testing and ready for operation. The rate shall include for all labour and materials required. The measurement shall be done for running meters, fittings etc not payable seperately. (Astral/Raksha/Ashirbad/Marvel or equivalent PVC) - 50 mm ED 6 kg/cm2	Ru.m	20.25			
1.45	EGP Wall Panels [V. MODULAR OPERATION THEATER BLOCK] 1. EGP Wall Panels: All complete as per drawings, specification	sqm	377.26			
1.46	EGP Ceiling Panels [V. MODULAR OPERATION THEATER BLOCK] 2. EGP Ceiling Panels: All complete as per drawings, specification	sqm	239.292			
1.47	Anti Bacterial Coating & Paint on wall and ceiling [V. MODULAR OPERATION THEATER BLOCK] 3. Anti Bacterial Coating & Paint on wall and ceiling:	sqm	616.233			
1.48	Supplying, laying and fixing solid glass panel with Digital Printing. The size [V. MODULAR OPERATION THEATER BLOCK] 4. Supplying, laying and fixing solid glass panel with Digital Printing. The size of the digital Printing should be discussed with hospital prior to install.	Sq.m.	17.28			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.49	Providing and installing 2mm thick Vinyl Flooring, for Modular OT [V. MODULAR OPERATION THEATER BLOCK] 5. Providing and installing 2mm thick Vinyl Flooring, for Modular OT	sqm	102.80			
1.50	Providing and installing 2mm thick Vinyl Flooring, For Other Area [V. MODULAR OPERATION THEATER BLOCK] 6. Providing and installing 2mm thick Vinyl Flooring, For Other Area	sqm	198.43			
1.51	Febric Diffuser (With Internal Light) Providing Hepa Filter Fixing,Testing and [V. MODULAR OPERATION THEATER BLOCK] 7. Febric Diffuser (With Internal Light) Providing Hepa Filter Fixing,Testing and Commissioning of Plainer Ceiling system 2400 mm * 2400 mm *350mm(Customize as per Site Condition) with unidirectional airflow.	Lot	2.00			
1.52	Febric Diffuser (With Internal Light) Providing Hepa Filter Fixing,Testing and [V. MODULAR OPERATION THEATER BLOCK] 8. Febric Diffuser (With Internal Light) Providing Hepa Filter Fixing,Testing and Commissioning of Plainer Ceiling system 2400 mm * 1800 mm *350mm(Customize as per Site Condition) with unidirectional airflow.	Lot	1.00			
1.53	pressure relief damper with magnetic guage all complete as per provided [V. MODULAR OPERATION THEATER BLOCK] 9. pressure relief damper with magnetic guage all complete as per provided specification and instruction by supervising engineer.	Nos.	3.00			
1.54	Supply deliver install testing and commissioning of Return Aluminium Damper [V. MODULAR OPERATION THEATER BLOCK] 10. Supply deliver install testing and commissioning of Return Aluminium Damper with extruded Grilles size 18"*12 all complete as per provided specification and instruction by supervising engineer.	Nos	12.00			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.55	Peripheral Light. [V. MODULAR OPERATION THEATER BLOCK] 11. Peripheral Light.	Nos	42.00			
1.56	Hermetically sealed Sliding Door [V. MODULAR OPERATION THEATER BLOCK] 12. Hermetically sealed Sliding Door:	Nos	3.00			
1.57	PCGI Door 44mm Double Hinge thick (1 mm, 44mm CFC Puff), Vision Glass [V. MODULAR OPERATION THEATER BLOCK] 13. PCGI Door 44mm Double Hinge thick (1 mm, 44mm CFC Puff), Vision Glass (350x350mm) , Lever Handle, Door Frame C - type for standard wall width 50mm. 1800X2100	nos	4.00			
1.58	PCGI Door 44mm Double Hinge thick (1 mm, 44mm CFC Puff), Vision Glass [V. MODULAR OPERATION THEATER BLOCK] 14. PCGI Door 44mm Double Hinge thick (1 mm, 44mm CFC Puff), Vision Glass (350x350mm) , Lever Handle, Door Frame C - type for standard wall width 50mm. 1200X2100	nos	9.00			
1.59	PCGI Door 44mm Double Hinge thick (1 mm, 44mm CFC Puff), Vision Glass [V. MODULAR OPERATION THEATER BLOCK] 15. PCGI Door 44mm Double Hinge thick (1 mm, 44mm CFC Puff), Vision Glass (350x350mm) , Lever Handle, Door Frame C - type for standard wall width 50mm. 1500X2100	nos	1.00			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.60	PCGI Door 44mm Double Hinge thick (1 mm, 44mm CFC Puff), Vision Glass [V. MODULAR OPERATION THEATER BLOCK] 16. PCGI Door 44mm Double Hinge thick (1 mm, 44mm CFC Puff), Vision Glass (350x350mm) , Lever Handle, Door Frame C - type for standard wall width 50mm. 1100X2100	nos	2.00			
1.61	PCGI Door 44mm Double Hinge thick (1 mm, 44mm CFC Puff), Vision Glass [V. MODULAR OPERATION THEATER BLOCK] 17. PCGI Door 44mm Double Hinge thick (1 mm, 44mm CFC Puff), Vision Glass (350x350mm) , Lever Handle, Door Frame C - type for standard wall width 50mm. 900X2100	nos	3.00			
1.62	PCGI Door 44mm Double Hinge thick (1 mm, 44mm CFC Puff), Vision Glass [V. MODULAR OPERATION THEATER BLOCK] 18. PCGI Door 44mm Double Hinge thick (1 mm, 44mm CFC Puff), Vision Glass (350x350mm) , Lever Handle, Door Frame C - type for standard wall width 50mm. 800X2100	nos	7.00			
1.63	Copper Pipe with all fitting Accessories & Support OD 12mm X0.7mm thick. Make [V. MODULAR OPERATION THEATER BLOCK] 19. Copper Pipe with all fitting Accessories & Support OD 12mm X0.7mm thick. Make -Maxflow, Mandev or equivalent (Medical Grade)	R,mtr	33.00			
1.64	Copper Pipe with all fitting Accessories & Support OD 15mm X0.7mm thick. Make [V. MODULAR OPERATION THEATER BLOCK] 20. Copper Pipe with all fitting Accessories & Support OD 15mm X0.7mm thick. Make -Maxflow, Mandev or equivalent (Medical Grade)	R,mtr	365.00			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.65	Copper Pipe with all fitting Accessories & Support OD 22mm X0.9mm thick. Make [V. MODULAR OPERATION THEATER BLOCK] 21. Copper Pipe with all fitting Accessories & Support OD 22mm X0.9mm thick. Make -Maxflow, Mandev or equivalent (Medical Grade)	R,mtr	52.00			
1.66	Copper Pipe with all fitting Accessories & Support OD 28mm X0.9mm thick. [V. MODULAR OPERATION THEATER BLOCK] 22. Copper Pipe with all fitting Accessories & Support OD 28mm X0.9mm thick.	R,mtr	28.00			
1.67	Bead Head Panel 4 Feet With Track [V. MODULAR OPERATION THEATER BLOCK] 23. Bead Head Panel 4 Feet With Track	Nos	9.00			
1.68	6 Module Plate With 2 Nos Switch & 2 Socket [V. MODULAR OPERATION THEATER BLOCK] 24. 6 Module Plate With 2 Nos Switch & 2 Socket	Nos	18.00			
1.69	Oxygen Outlate [V. MODULAR OPERATION THEATER BLOCK] 25. Oxygen Outlate	Nos	18.00			
1.70	Suction Outlate [V. MODULAR OPERATION THEATER BLOCK] 26. Suction Outlate	Nos	18.00			
1.71	Air-4 Bar Outlate [V. MODULAR OPERATION THEATER BLOCK] 27. Air-4 Bar Outlate	Nos	9.00			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.72	Oxygen Flowmetre with Humidifier Bottle, unbrackable Polycarbonate [V. MODULAR OPERATION THEATER BLOCK] 28. Oxygen Flowmetre with Humidifier Bottle, unbrackable Polycarbonate	Nos	18.00			
1.73	Vaccumm Jars [V. MODULAR OPERATION THEATER BLOCK] 29. Vaccumm Jars	Nos	18.00			
1.74	High Pressure Tube [V. MODULAR OPERATION THEATER BLOCK] 30. High Pressure Tube	Mtr	15.00			
1.75	Pressure Switch & Nippal, Pandent Connector With Hose Clip [V. MODULAR OPERATION THEATER BLOCK] 31. Pressure Switch & Nippal, Pandent Connector With Hose Clip	Set	15.00			
1.76	Butter Fly Valve 12mm [V. MODULAR OPERATION THEATER BLOCK] 32. Butter Fly Valve 12mm	Nos	18.00			
1.77	Valve Box 5 Gas(ACU) as per specification [V. MODULAR OPERATION THEATER BLOCK] 33. Valve Box 5 Gas(ACU) as per specification	Nos	3.00			
1.78	Valve Box 3 Gas(ACU) as per specification [V. MODULAR OPERATION THEATER BLOCK] 34. Valve Box 3 Gas(ACU) as per specification	Nos	3.00			
1.79	Anesthetic Gas Scavenging System as per tender specification [V. MODULAR OPERATION THEATER BLOCK] 35. Anesthetic Gas Scavenging System as per tender specification	Nos	3.00			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.80	Aluminum Made patient Monitor Stand [V. MODULAR OPERATION THEATER BLOCK] 36. Aluminum Made patient Monitor Stand	Nos	9.00			
1.81	SS Basket for BHP [V. MODULAR OPERATION THEATER BLOCK] 37. SS Basket for BHP	Nos	9.00			
1.82	OT Ceiling double Arm Anesthesia Pendant [V. MODULAR OPERATION THEATER BLOCK] 38. OT Ceiling double Arm Anesthesia Pendant: Supply, installation, testing and commissioning of OT ceiling single arm Anesthesia pendant as per technical specification	nos	3.00			
1.83	OT Ceiling double Arm Surgical Pendant [V. MODULAR OPERATION THEATER BLOCK] 39. OT Ceiling double Arm Surgical Pendant: Supply, installation, testing and commissioning of OT ceiling single arm Anesthesia pendant as per technical specification	nos	3.00			
1.84	3 Bay Scrub Station [V. MODULAR OPERATION THEATER BLOCK] 40. 3 Bay Scrub Station: 'Supply, delivery, installation and commissioning of 3 bay scrub station.	nos	1.00			
1.85	X-Ray View Box [V. MODULAR OPERATION THEATER BLOCK] 41. X-Ray View Box:Supply, Supply, Installation, Installation, testing testing and commissioning commissioning of Xray Veiw Plate for 2 Xray Films	nos	3.00			
1.86	Writing List Board [V. MODULAR OPERATION THEATER BLOCK] 42. Writing List Board: Operating recessed writing List Board of size 948mm X 648mm complete with all accessories.	nos	3.00			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.87	SS Hatch Box (Pass Box) [V. MODULAR OPERATION THEATER BLOCK] 43. SS Hatch Box (Pass Box): (Size 600mm x 600mm x600mm)	nos	3.00			
1.88	Storage Unit [V. MODULAR OPERATION THEATER BLOCK] 44. Storage Unit:	nos	6.00			
1.89	Supply deliver install testing and commissioning of cubicle track at required [V. MODULAR OPERATION THEATER BLOCK] 45. Supply deliver install testing and commissioning of cubicle track at required location all complete as per provided drawing and instruction by supervising engineer.	nos	9.00			
1.90	Wall Guard [V. MODULAR OPERATION THEATER BLOCK] 46. Wall Guard: As Per Drawing:- Horizental 84 R Mtr & 24 R Mtr	RMtr	108.00			
1.91	Supply, deliver installation testing and commissioning of OT Surgeon Control [V. MODULAR OPERATION THEATER BLOCK] 47. Supply, deliver installation testing and commissioning of OT Surgeon Control Panel as per technical specification	nos	3.00			
1.92	Supply, Installation, Testing and Commissioning of Peripheral Light Control [V. MODULAR OPERATION THEATER BLOCK] 48. Supply, Installation, Testing and Commissioning of Peripheral Light Control panel: Control panel Mounted flush in the wall, comprising of the following: - 1 No. Dimmer for peripheral 3 Chanel For Corridor, Recovery & Post Oprative	nos	3.00			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.93	Electrical Wiring in OT 3 Nos, Corridor, Recovery, Post OP With 4 Nos DB Box [V. MODULAR OPERATION THEATER BLOCK] 49. Electrical Wiring in OT 3 Nos, Corridor, Recovery, Post OP With 4 Nos DB Box: Wiring in OT with all required Wires, Surface and concealed Conduites & accessories. Distribution Board for Operation Theater has connections of all high Voltage Equipment. It is installed in a separate enclosure preferably outside of OT.The remote cabinate have operating transformers, Mains Failure Relays, Electrical Distribution Equipments& Circuit Protection Equipments for all circuits In Details: DB Box- 4 Nos 6 Module Plate With 2 Switch & 2 Socket- 55 Nos 12 Module Plate With Switch & Socket as required Wire 1.5 mm- 2880 Mtr Wire 2.5 mm- 1980 Mtr Wire 4 mm- 1980 Mtr CAD 6 Wire- 300 Mtr Wire 6 mm- 600 Mtr	LOT	1.00			
1.94	UV Light [V. MODULAR OPERATION THEATER BLOCK] 50. UV Light	nos	5.00			
1.95	Supply, installation, testing, and commissioning of air-cooled variable [VI. HVAC WORKS] 1. Supply, installation, testing, and commissioning of air-cooled variable refrigerant flow (VRF/VRvV modular-type condensing units, 17TR(8.5tr+8.5tr)	No.	1.00			
1.96	VRF Indoor Units - 3.2TR [VI. HVAC WORKS] 2. VRF Indoor Units 2.1 Ceiling Concealed Ducted Type Supply, installation, testing, and commissioning of variable refrigerant flow (VRF/VRV) ceiling-concealed ducted type indoor units, 3.2TR	No.	3.00			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.97	VRF Indoor Units - 2.5TR [VI. HVAC WORKS] 2. VRF Indoor Units 2.1 Ceiling Concealed Ducted Type Supply, installation, testing, and commissioning of variable refrigerant flow (VRF/VRV) ceiling-concealed ducted type indoor units, 2.5TR	No.	2.00			
1.98	VRF Indoor Units - 2.0TR [VI. HVAC WORKS] 2. VRF Indoor Units 2.1 Ceiling Concealed Ducted Type Supply, installation, testing, and commissioning of variable refrigerant flow (VRF/VRV) ceiling-concealed ducted type indoor units, 2.0TR	No.	1.00			
1.99	Copper Piping (Refrigerant Piping) - 28.6 mm | 1.00 mm | 19 mm [VI. HVAC WORKS] 3. Copper Piping (Refrigerant Piping) Supply, installation, testing, and commissioning of high-pressure copper refrigerant piping suitable for R-410A refrigerant, of appropriate sizes as required The refrigerant piping shall be provided in the following sizes: Pipe Size | Min. Wall | Insulation Size (O.D.) | Thickness | Thickness 28.6 mm | 1.00 mm | 19 mm	RM	13.63			
1.100	Copper Piping (Refrigerant Piping) - 22.2 mm | 0.80 mm | 13 mm [VI. HVAC WORKS] 3. Copper Piping (Refrigerant Piping) Supply, installation, testing, and commissioning of high-pressure copper refrigerant piping suitable for R-410A refrigerant, of appropriate sizes as required The refrigerant piping shall be provided in the following sizes: Pipe Size | Min. Wall | Insulation Size (O.D.) | Thickness | Thickness 22.2 mm | 0.80 mm | 13 mm	RM	20.00			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.101	Copper Piping (Refrigerant Piping) - 19.1 mm | 0.80 mm | 13 mm [VI. HVAC WORKS] 3. Copper Piping (Refrigerant Piping) Supply, installation, testing, and commissioning of high-pressure copper refrigerant piping suitable for R-410A refrigerant, of appropriate sizes as required The refrigerant piping shall be provided in the following sizes: Pipe Size | Min. Wall | Insulation Size (O.D.) | Thickness | Thickness 19.1 mm | 0.80 mm | 13 mm	RM	15.45			
1.102	Copper Piping (Refrigerant Piping) - 15.9 mm | 1.00 mm | 13 mm [VI. HVAC WORKS] 3. Copper Piping (Refrigerant Piping) Supply, installation, testing, and commissioning of high-pressure copper refrigerant piping suitable for R-410A refrigerant, of appropriate sizes as required The refrigerant piping shall be provided in the following sizes: Pipe Size | Min. Wall | Insulation Size (O.D.) | Thickness | Thickness 15.9 mm | 1.00 mm | 13 mm	RM	31.80			
1.103	Copper Piping (Refrigerant Piping) - 12.7 mm | 0.80 mm | 13 mm [VI. HVAC WORKS] 3. Copper Piping (Refrigerant Piping) Supply, installation, testing, and commissioning of high-pressure copper refrigerant piping suitable for R-410A refrigerant, of appropriate sizes as required The refrigerant piping shall be provided in the following sizes: Pipe Size | Min. Wall | Insulation Size (O.D.) | Thickness | Thickness 12.7 mm | 0.80 mm | 13 mm	RM	54.54			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.104	Copper Piping (Refrigerant Piping) - 9.5 mm | 0.80 mm | 13 mm [VI. HVAC WORKS] 3. Copper Piping (Refrigerant Piping) Supply, installation, testing, and commissioning of high-pressure copper refrigerant piping suitable for R-410A refrigerant, of appropriate sizes as required The refrigerant piping shall be provided in the following sizes: Pipe Size | Min. Wall | Insulation Size (O.D.) | Thickness | Thickness 9.5 mm | 0.80 mm | 13 mm	RM	50.90			
1.105	Copper Piping (Refrigerant Piping) - 6.4 mm | 0.80 mm | 13 mm [VI. HVAC WORKS] 3. Copper Piping (Refrigerant Piping) Supply, installation, testing, and commissioning of high-pressure copper refrigerant piping suitable for R-410A refrigerant, of appropriate sizes as required The refrigerant piping shall be provided in the following sizes: Pipe Size | Min. Wall | Insulation Size (O.D.) | Thickness | Thickness 6.4 mm | 0.80 mm | 13 mm	RM	45.45			
1.106	Supply, installation, testing, and commissioning of a factory-made VRF/VRV [VI. HVAC WORKS] 4. Fittings (Y-joints) Supply, installation, testing, and commissioning of a factory-made VRF/VRV refrigerant copper branch kit with insulation.	Pair	12.00			
1.107	Condensate Drainage Piping (CPVC) - 25mm Dia [VI. HVAC WORKS] 5. Condensate Drainage Piping (CPVC) Supply, installation, testing, and commissioning of rigid heavy-class CPVC piping complete with the necessary elbows, tees, and reducers and of all kinds of fittings and supports made of MS angels or rods as required. 25mm Dia	RM	55.00			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.108	Supply, installation, testing, and commissioning of Full-Function Wired Remote [VI. HVAC WORKS] 6. Wired Remote Controller Supply, installation, testing, and commissioning of Full-Function Wired Remote Controllers for VRF/VRV indoor units.	No	6.00			
1.109	Factory Fabricated Aluminum Ductwork - (24/22 gauge) [VI. HVAC WORKS] 7. Factory Fabricated Aluminum Ductwork luminium Ducting for HVAC with nitrate insulation inside each Area with acoustic & Thermal installation (along with provisions for Supply air & Return Air fabrication. Supply, installation and testing. (24/22 gauge)	SqM	440.00			
1.110	Supply and installation of aluminum foil-faced closed cell [VI. HVAC WORKS] 8. Duct Insulation Supply and installation of aluminum foil-faced closed cell	SqM	350.00			
1.111	Supply and installation acoustic insulation inside the supply duct with [VI. HVAC WORKS] 9. Acoustic Insulation Supply and installation acoustic insulation inside the supply duct with adhesive as per the drawings.	SqM	100.00			
1.112	Supply, Installation, and Testing deep anti-vibration flexible Flexible Joints . [VI. HVAC WORKS] 10. Canvas Connector Supply, Installation, and Testing deep anti-vibration flexible Flexible Joints .	SqM	35.00			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.113	Supply, installation, testing, and balancing of square supply/return/exhaust [VI. HVAC WORKS] 11. Returne Air Grill As required With Filter Supply, installation, testing, and balancing of square supply/return/exhaust air diffusers with key-operated volume control dampers. The diffusers with all kinds of fittings as required for proper operation as per drawings of approved size, color and shade.	Nos	12.00			
1.114	Supply, installation, testing, and balancing of Supply Air Grill with Hepa [VI. HVAC WORKS] 12. Supply Air Grill As Required With Hepa Filter Supply, installation, testing, and balancing of Supply Air Grill with Hepa Filter.The grilles with all kinds of fittings as required for proper operation as per drawings of approved size, color and shade.	SqM	16.00			
1.115	Supply, installation, and testing of weather louvers as per drawings of [VI. HVAC WORKS] 13. External Weather Louvre Supply, installation, and testing of weather louvers as per drawings of approved size, color and shade.	SqM	3.00			
1.116	Supply, installation, and testing of Wiring with All required Wire And Conduite [VI. HVAC WORKS] 14. Wiring with All required Wire And Conduite Supply, installation, and testing of Wiring with All required Wire And Conduite as per drawings.	lot	1.00			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.117	Perform nitrogen pressure testing and complete vacuuming of the entire HVAC [VI. HVAC WORKS] 15. Vacuuming and Pressure Testing Perform nitrogen pressure testing and complete vacuuming of the entire HVAC system, including supply of nitrogen gas, leak detection, monitoring of pressure levels, and achieving a vacuum level ensuring system integrity and readiness for refrigerant charging as per manufacturer specifications.	lot	4.00			
1.118	Additional Refrigerant(OUTDOOR UNIT) - 8.5TR [VI. HVAC WORKS] 16. Additional Refrigerant(OUTDOOR UNIT) Supply and charge additional refrigerant as required, followed by testing and commissioning of the entire HVAC system, including performance verification, operational adjustments, and ensuring compliance with manufacturer specifications and design parameters. 8.5TR	No.	3.00			
1.119	AHU Outdoor System [VI. HVAC WORKS] AHU Outdoor System: OT-1, OT-2 : AHU With 100% Fresh Cooling Air(No Return) :-Return & Supply Both are saperate line connection with remote & outdoor Controler Starter Panel For Outdoor 3 Nos Hitter Strip	No.	2.00			
1.120	AHU Outdoor System [VI. HVAC WORKS] AHU Outdoor System: OT-3 : AHU With 100% Fresh Cooling Air(No Return) :- Return & Supply Both are saperate line connection with remote & outdoor Controler Starter Panel For Outdoor 3 Nos Hitter Strip	No.	1.00			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.121	1.0 TR split inverter type ac unit. [VI. HVAC WORKS] 1.0 TR split inverter type ac unit. : Supply, installation, testing and commissioning Split AC's with INDOOR units with canvas connection at the mouthpiece and corresponding OUTDOOR units all complete with copper pipes, insulation materials, drain piping with required base/mounting frame inclusive of filling of gases.	Nos	1.00			
1.122	2.0 TR 4way Cassette inverter type ac unit. [VI. HVAC WORKS] 2.0 TR 4way Cassette inverter type ac unit. : Supply, installation, testing and commissioning Split AC's with INDOOR units with canvas connection at the mouthpiece and corresponding OUTDOOR units all complete with copper pipes, insulation materials, drain piping with required base/mounting frame inclusive of filling of gases.	Nos	2.00			
1.123	Fresh And Coolong supply Air & Return Air Aluminium From the OT next Floor [VI. HVAC WORKS] Fresh And Coolong supply Air & Return Air Aluminium From the OT next Floor 22”/24” Aluminium Ducting for HVAC with nitrate insulation inside each OT Aluminium ducting with acoustic & Thermal installation (along with provisions for fresh air & fabrication with specifications 24/22 gauge. Supply, installation and testing of multi-blade type louver dampers of aluminium for ducts coolers to be provided with suitable links, levers and quadrants for manual control of volume of air flow and for proper balancing of the air distribution system.Material Considered OT to Next floor Only	Nos	3.00			
1.124	OT LIGHT with USFDA Approved and shadow management USFDA Aproved as per [VII. HOSPITAL EQUIPMENTS] 1. OT LIGHT with USFDA Approved and shadow management USFDA Aproved as per technical specification	Nos	3.00			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.125	OT TABLE WITH ONE SET ORTHO ATTACHMENT as per technical specification [VII. HOSPITAL EQUIPMENTS] 2. OT TABLE WITH ONE SET ORTHO ATTACHMENT as per technical specification	Nos	3.00			
1.126	3.5 core 50 sq. mm;Copper conductor multi core insulated unarmored PVC cable [VIII. ELECTRICAL — A. Supplying & laying, testing and commissioning of following 1100...] MAINS, SUB MAINS, FEEDERS CABLES, CONDUITS AND CABLE TRAYS: The rate shall also include the following : 1. Providing and fixing junction boxes with covers including painting where ever required. 2. Providing all fixing accessories such as clamping devices nuts, bolts and screws. 3. Wherever the cables are of aluminium and bus bars of copper bimetallic lugs shall be used. 4. Double compression glands. 5. required mounting metal grip, fisher bolt, nut bolt, Metal angle, PVC cable tie for cable ladder throughout the cable duct. 6. Armour of the each cables shall connected to the Ground Bus as per drawing. 7. Contractor should field verify for exact quantity before placing the order. A. Supplying & laying, testing and commissioning of following 1100 volt grade XLPE insulated PVC sheathed cables in cable trays, Trench or wall with suitable clamps including, saddles fixing bolts, connecting testing and commissioning. i. 3.5 core 50 sq. mm;Copper conductor multi core insulated unarmored PVC cable	RM	90.00			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.127	4 core 10 sq. mm; Copper conductor multi core unarmored PVC sheath cable with [VIII. ELECTRICAL — A. Supplying & laying, testing and commissioning of following 1100...] ii. 4 core 10 sq. mm; Copper conductor multi core unarmored PVC sheath cable with 1x10 sq. mm Green Ground conductor (Main DB to Floor DBs)	RM	75.00			
1.128	Primary point with 2x2.5+1x1.5 sq. mm PVC insulated copper conductor 1100 V [VIII. ELECTRICAL — B. LIGHT & POWER POINT WIRING] I. Wiring for the following light points with primary 2.5 sq. mm and secondary 1.5 sq. mm PVC insulated copper conductor 1100 volts grade FRLS stranded flexible wires of approved make in 20mm dia. 2mm thick PVC rigid conduit including providing and fixing of. i. Primary point with 2x2.5+1x1.5 sq. mm PVC insulated copper conductor 1100 V FRLS grade standard flexible wire (For Lights and fans)	point	52.00			
1.129	Wiring for the following socket outlet points with 2x4.0 + 1x2.5 sq. mm FRLS [VIII. ELECTRICAL — B. LIGHT & POWER POINT WIRING] ii. Wiring for the following socket outlet points with 2x4.0 + 1x2.5 sq. mm FRLS PVC insulated copper conductor 1100 volts grade stranded flexible wires of approved make in 20mm dia. 2mm thick PVC rigid conduit including providing and fixing of power socket as well	point	50.00			
1.130	Wiring for the following socket outlet points with 2x4.0 + 1x2.5 sq. mm PVC [VIII. ELECTRICAL — B. LIGHT & POWER POINT WIRING] iii. Wiring for the following socket outlet points with 2x4.0 + 1x2.5 sq. mm PVC FRLS insulated copper conductor 1100 volts grade stranded flexible wires of approved make in 20mm dia. 2mm thick PVC rigid conduit including providing and fixing of power socket as well	point	7.00			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.131	Wiring for 3 phase (4x4 sq.mm + 2.5 sq.mm FRLS) with TP MCB & Metal Clad [VIII. ELECTRICAL — B. LIGHT & POWER POINT WIRING] iv. Wiring for 3 phase (4x4 sq.mm + 2.5 sq.mm FRLS) with TP MCB & Metal Clad Socket Box with Panel mounted socket outlet, 3P+E, 32A, 400V and TP MCB 32A,10kA MAKE: ABB, Havells	point	3.00			
1.132	1 Gang 1 Way 10amp Switch - 2x1 modules with 2 module plate with 16 SWG metal [VIII. ELECTRICAL — C. SWITCHES, RECEPTACLES AND PLUG in SOCKETS] The rates for below mentioned items shall also include supplying and fixing of the following: 1. 16 gauge thick Outlet boxes and junction box. 2. All fixing accessories such as clips, brass screws etc. 3. Embedding Metal boxes in ceiling, walls and floors etc. during construction and/ or cutting and making good the same as necessary in the case of concealed conduit work. 4. Modular type Switch, socket outlet and necessary blank plates wherever required. 5. sockets shall be shuttered type and with earth terminal. 6. Suitable rating of plugs top shall be provided for all weather proof outdoor socket outlets. i. 1 Gang 1 Way 10amp Switch - 2x1 modules with 2 module plate with 16 SWG metal Box having Earth terminal	set	13.00			
1.133	2 Gang 1 Way 10amp Switch - 2x1 modules with 2 module plate with 16 SWG metal [VIII. ELECTRICAL — C. SWITCHES, RECEPTACLES AND PLUG in SOCKETS] ii. 2 Gang 1 Way 10amp Switch - 2x1 modules with 2 module plate with 16 SWG metal Box having Earth terminal	set	4.00			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.134	4 Gang 1 Way 10amp Switch - 2x1 modules with 2 module plate with 16 SWG metal [VIII. ELECTRICAL — C. SWITCHES, RECEPTACLES AND PLUG in SOCKETS] iii. 4 Gang 1 Way 10amp Switch - 2x1 modules with 2 module plate with 16 SWG metal Box having Earth terminal	set	1.00			
1.135	6 Gang 1 Way 10amp Switch - 4x1 modules with 4 module plate and 16 SWG metal [VIII. ELECTRICAL — C. SWITCHES, RECEPTACLES AND PLUG in SOCKETS] iv. 6 Gang 1 Way 10amp Switch - 4x1 modules with 4 module plate and 16 SWG metal Box having Earth terminal	set	6.00			
1.136	2 Gang 2 Way 10amp Switch - 2x1 modules with 2 module plate and 16 SWG metal [VIII. ELECTRICAL — C. SWITCHES, RECEPTACLES AND PLUG in SOCKETS] V. 2 Gang 2 Way 10amp Switch - 2x1 modules with 2 module plate and 16 SWG metal Box having Earth terminal	set	4.00			
1.137	Single 16A, 3-Pin Shuttered Power Socket Outlet with Control Switch [VIII. ELECTRICAL — C. SWITCHES, RECEPTACLES AND PLUG in SOCKETS] vi. Single 16A, 3-Pin Shuttered Power Socket Outlet with Control Switch, flush-mounted type, conforming to IS 1293 / BS 546 or equivalent international electrical safety standards at approved height	set	50.00			
1.138	Double16A, 3-Pin Shuttered Power Socket Outlet with Control Switch [VIII. ELECTRICAL — C. SWITCHES, RECEPTACLES AND PLUG in SOCKETS] vii. Double16A, 3-Pin Shuttered Power Socket Outlet with Control Switch, flush-mounted type, conforming to IS 1293 / BS 546 or equivalent international electrical safety standards at approved height	set	7.00			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.139	Single 3 phase 16A, 5-Pin Shuttered Power Socket Outlet with Control Switch [VIII. ELECTRICAL — C. SWITCHES, RECEPTACLES AND PLUG in SOCKETS] viii. Single 3 phase 16A, 5-Pin Shuttered Power Socket Outlet with Control Switch, flush-mounted type, conforming to IS 1293 / BS 546 or equivalent international electrical safety standards.	set	3.00			
1.140	Supply, installation, testing & commissioning of Standard Segment Surface [VIII. ELECTRICAL — D. LIGHT FIXTURES AND LUMINAIRE] i. Supply, installation, testing & commissioning of Standard Segment Surface mounted Round Led 18 W(iris) Downlighter delivering an initial system lumen. Luminaire shall have minimum surge protection of 2KV or better.	set	16.00			
1.141	Supply, installation, testing & commissioning of Standard Segment Surface [VIII. ELECTRICAL — D. LIGHT FIXTURES AND LUMINAIRE] ii. Supply, installation, testing & commissioning of Standard Segment Surface mounted Round Led 12 W Downlighter delivering an initial system lumen. Luminaire shall have minimum surge protection of 2KV or better.	set	16.00			
1.142	Supply, installation, testing & commissioning of Standard Segment Surface [VIII. ELECTRICAL — D. LIGHT FIXTURES AND LUMINAIRE] iii. Supply, installation, testing & commissioning of Standard Segment Surface mounted Round Led 6/7 W Downlighter delivering an initial system lumen. Luminaire shall have minimum surge protection of 2KV or better.	set	11.00			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.143	Supply, installation, testing & commissioning of Recess mounted bottom opening [VIII. ELECTRICAL — D. LIGHT FIXTURES AND LUMINAIRE] iv. Supply, installation, testing & commissioning of Recess mounted bottom opening cleaanroom LED 42W luminaire suitable for cutout size 580X580mm, delivering an initial system lumen	Set	9.00			
1.144	SMDB [VIII. ELECTRICAL — E. MAIN /SUB /FLOOR PANELS, DISTRIBUTION BOARDS] Phase indicating light shall be protected by 2 amps SP MCB's. Design, fabrication, assembling, supply, installation, testing and commissioning of Main LT panel, Main Distribution Panels, Sub Distribution panels and Final Distribution panels suitable for 415 V, 3 phase, 50 Hz, 4 wire power supply system. i. SMDB One (1) No. 125Amps, 415 V, 35KA four pole MCCB, with ON/OFF/TRIP indication lamp and TNC control switch, over load, short circuit, earth fault, under voltage, over voltage & shunt trip release, earth fault anti pumping protection etc. complete as required for Transformer Supply Feeder. a. Cubicle with 200/250A Copper Bus bar b. 1 number of incommer 125A MCCB c. 1 no. of multifunctional meter (A, V, kW, kWhr, kVA) d. R-Y-B indicator lamps and MCBs Outgoings e.3 no. of 16-32A MCB f. 2 no. of 63A MCB	Set	2.00			
1.145	AC Panel [VIII. ELECTRICAL — E. MAIN /SUB /FLOOR PANELS, DISTRIBUTION BOARDS] ii. AC Panel a. 12 Way DB DPX3-160+36 VTPN DB b. 1 number of incommer 100A MCCB c. R-Y-B indicator lamps and MCBs Outgoings e. 7 no. of 25 A TPN MCCB outgoing	Set	1.00			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.146	Floor DBs [VIII. ELECTRICAL — E. MAIN /SUB /FLOOR PANELS, DISTRIBUTION BOARDS] iii. Floor DBs a. DB Box 4 Row, 15 Module with phases, neutral and earth bus bar b. 1 number of incommer 42A MCB c. R-Y-B indicator lamps and MCBs Outgoings d. 12 no. of 10- 16A SP MCB outgoing e. 3 no. of 32A TPN MCB outgoing	Set	1.00			
1.147	UPS DBs [VIII. ELECTRICAL — E. MAIN /SUB /FLOOR PANELS, DISTRIBUTION BOARDS] iii. UPS DBs a. DB Box 4 Row, 15 Module with phases, neutral and earth bus bar b. 1 no. of 32A DP MCB c. 40A RCCB (DP) Outgoings d. 12 no. of 10- 16A SPN MCB outgoing	Set	3.00			
1.148	Supply, installation and testing of 1/3” Progressive CMOS, H.265+, 2.8-4mm LENS [VIII. ELECTRICAL — F. CCTV and Networking] i. Supply, installation and testing of 1/3” Progressive CMOS, H.265+, 2.8-4mm LENS Upto 30m IR, Outdoor IR Bullet, 3D DNR, IP67 0.028lux/F2.0, 12VDC, HLC, BLC, ROI, DWDR 4MP/2560x1440@20fps(P)/(N)	Set	3.00			
1.149	8 Port GB POE Switch [VIII. ELECTRICAL — F. CCTV and Networking] ii. 8 Port GB POE Switch	Set	1.00			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.150	Wiring for the cctv points CAT6 UPT Pure Copper PVC insulated copper conductor [VIII. ELECTRICAL — F. CCTV and Networking] iii. Wiring for the cctv points CAT6 UPT Pure Copper PVC insulated copper conductor flexible wires of approved make in 20mm dia. 2mm thick PVC conduit and connect to existing CCTV system.	Set	3.00			
1.151	Fire Alarm point Wiring [VIII. ELECTRICAL — G. FIRE DETECTION SYSTEM] Fire Alarm point Wiring: Supply, Laying and Testing of Fire Alarm Points with 2 no of 1.5 Sq. mm as per drawings	point	25.00			
1.152	Smoke Detector with base [VIII. ELECTRICAL — G. FIRE DETECTION SYSTEM] i. Smoke Detector with base	set	18.00			
1.153	Manual Call Point [VIII. ELECTRICAL — G. FIRE DETECTION SYSTEM] ii. Manual Call Point	set	4.00			
1.154	Sounder/Hooter [VIII. ELECTRICAL — G. FIRE DETECTION SYSTEM] iii. Sounder/Hooter	set	3.00			
1.155	2 loop Fire Alarm Control Panel [VIII. ELECTRICAL — G. FIRE DETECTION SYSTEM] Iv. 2 loop Fire Alarm Control Panel	set	1.00			
1.156	Supply and installation of telephone point wiring from telephone junction box [VIII. ELECTRICAL — H. Telephone and Networking] i. Supply and installation of telephone point wiring from telephone junction box to individual point with 2 pair drop wire (0.5mm copper wire) for telephone and Cat6 cable for data through 20 mm internal dia HDPE conduit concealed with modular RJ 11 Telephone outlet with shutter wih GI box. as per drawing	Pts.	6.00			

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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.157	Supply and installation of data point wiring from Network Switch to individual [VIII. ELECTRICAL — H. Telephone and Networking] Ii. Supply and installation of data point wiring from Network Switch to individual point with pure copper Cat6 cable through 20 mm internal dia HDPE conduit concealed with modular RJ45 modular outlet with shutter wih GI box. 2 points each on OT and rooms	Pts.	6.00			
1.158	Supply and installation Wall Mount Rack With Fan & Power Extension Cord [VIII. ELECTRICAL — H. Telephone and Networking] iii. Supply and installation Wall Mount Rack With Fan & Power Extension Cord Dimension: 55*40*45cm	Nos.	1.00			
1.159	Supply, installation, testing, and commissioning of a door access controller [VIII. ELECTRICAL — I. Door Access System] I. Supply, installation, testing, and commissioning of a door access controller	Set	1.00			
1.160	Supply, installation, testing, and commissioning of a 5kVA True Online [VIII. ELECTRICAL — J. Online UPS] i. Supply, installation, testing, and commissioning of a 5kVA True Online Double-Conversion Uninterruptible Power Supply (UPS) System, featuring a 3-Phase Input and 1-Phase Output (3:1 configuration), complete with an external/internal battery bank.	Set	3.00			

Total Item Price	
VAT (13.00%)	
Grand Total	