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Def. K. K.

AX 675044

Tran Id: 230901150009270564
Date: 01 SEP 2023, 03:03 PM
Purchased By:
B RAMESH
S/o KATTAMALLU
R/o HYDERABAD
For Whom
MPS ASTA CONSORTIUM

MIR ARFATH ALI
LICENSED STAMP VENDOR
Lic. No. 16-04-026/2017
Ren.No. 16-04-019/2023
8-2-603/A/34/1, ZEHR NAGAR,
ROAD NO.10, BANJARA
HILLS, HYDERABAD-500034
Ph 9393277086

REVISED AGREEMENT NO: /TSMSIDC/2022-23, DT: .03.2024

The agreement is made on 16th day of **March 2024** between the Chief Engineer, Telangana State Medical Services & Infrastructure Development Corporation, Hyderabad (hereinafter "the Purchaser" which expression shall, where the context so admits include his successors in office and assignees) as one part and **M/s. MPS ASTA Consortium**, 59, Indu House, Industrial Area, Rama Road, Delhi – 110015 (hereinafter "the Supplier") as the other part.

WHEREAS the Purchaser is desirous that certain goods & ancillary services shall be provided by the supplier for the work "Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block, Gandhi Hospital, Secunderabad" and the supplier has accepted to execute the quantities as per the specifications appended as **Annexure-A'** for a total amount of **Rs. 36,03,18,913/-** {(Basic Price Rs. 22,71,19,330/- + GST Amount Rs. 4,08,81,479/-) + 5-Yr Comprehensive Annual Maintenance Contract (CAMC) charges Rs. 9,23,18,104/- excl. GST}.

The quantities in this agreement supersede the quantities mentioned in earlier two agreements concluded vide Agmt. No: 256/A/TSMSIDC/ SOTC/Spl. Proj/2022-23, Dt: 08.02.2023 & Agmt. No: 03/TSMSIDC/2022-23, Dt: 16.12.2023. All the other terms & conditions remain the same as per Agmt No: 256/A/TSMSIDC/SOTC/Spl. Proj/2022-23, Dt: 08.02.2023

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NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - (a) the Bid Form and Price Schedule submitted by the Bidder;
 - (b) the Schedule of Requirements;
 - (c) the Technical Specifications;
 - (d) the General Conditions of Contract;
 - (e) the Special Conditions of Contract ; and
 - (f) the Purchaser's Notification of Award
3. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the contract.

BRIEF PARTICULARS OF THE GOODS AND SERVICES WHICH SHALL BE SUPPORTED / PROVIDED BY THE SUPPLIER ARE:

Sl. No	Description of Goods	Qty	Unit Price in Rs.	GST Amt in Rs.	Total Amt in Rs.
	As per Annexure-A				

The total Agreement Value is **Rs. 36,03,18,913/-** (Rupees thirty six crores three lakhs eighteen thousand nine hundred and thirteen only) {(Basic Price Rs. 22,71,19,330/- + GST Amount Rs. 4,08,81,479/-) + 5-Yr CAMC Cost Rs. 9,23,18,104/- excl. GST}.

5. Delivery location: 8th floor, SW Block, Gandhi Hospital, Secunderabad.
6. Completion Period: 180 days (i.e., on or before 11-09-2024)
7. Terms of Payment: Payment shall be made in Indian Rupees as specified in the contract in the following manner:

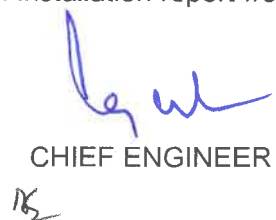
A. Payment Terms – Equipment / Material Supply

- a) Payment of 75% of Invoice value shall be paid on submission of Delivery Challans, Invoice with stock entries.
- b) 15% of invoice value of material/equipment supply on installation report from the concerned end user.

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- c) Remaining 10% of payment will be paid on submission of satisfactory Commissioning Report from the concerned end user on completion of 3 months period from the date of Installation.

B. Payment Terms - Turnkey part (Civil & Electrical works)

- a) 80% of the total value of respective turnkey work shall be released upon approval by Engineer-in-Charge of TSMSIDC.
- b) Balance 10% will be paid along with the final bill only after submission of Work Completion certificate issued by the User Department and approved by Engineer-in-Charge of TSMSIDC.
- c) The balance 10% payment would be released after the successful commissioning certificate is issued by the user department and approval by the Engineer-in-Charge.
8. Final Bill to be submitted detailing the work description, quantity and rate as per the Work Order. Payment will be made against actual measurements recorded in the measurement book by the Contractor's representative, certified by the User Department and counter signed by Engineer-in-Charge of TSMSIDC. The work completion certificate will be issued by the User Department and it is the responsibility of the contractor to collect the completion certificate certified by the concerned authorities and submit to TSMSIDC for balance 10% payment.
9. The running account bills are to be submitted detailing the work description, quantity and rate as per the Work Order. Payment will be made against actual measurements recorded in measurement book and certified jointly by Engineer-in-Charge of TSMSIDC and the Contractor's representative. For supply of capital items, duly certified delivery challan /supporting documents such as Warranty Certificates etc. shall be enclosed along with bill.
10. Tax Deduction: All statutory deductions like GST, Income Tax, Works Contract Tax, E.S.I., P.F. or any other government-imposed liabilities shall be borne by the Contractor (as applicable at the time of execution of job) and shall be deducted from each bill submitted by the Contractor.
11. Payment shall be made subject to recoveries, if any, by way of liquidated damages or any other charges as per terms & conditions of contract and upon the submission of the following documents:
- Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount.
 - Consignee Receipt Certificate as per Section XVI in original issued by the authorized representative of the consignee.
 - Two copies of packing list identifying contents of each package.
 - Inspection certificate issued by the nominated Inspection agency, if any.

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v. Insurance Certificate as per GCC Clause 11 and documents also to be submitted for payment of LoC confirming that dispatch documents has already been sent to all concerned as per the contract within 24 hours;

vi. Certificate of origin.

The payment will be made after the certification by a committee constituted by the user department at different stages of payment scheduled above.

12. **Warranty:** Warranty period will be 5 years with effective from the date of installation, commissioning and acceptance. During warranty period preventive maintenance shall be executed, once in every four months in a year.
13. **Performance Security for CAMC contract:** The supplier shall remit performance security by way of security deposit or bank guarantee in the form prescribed, for 2.5% of the Total Contract Value, i.e., the Contract value of the project + the CAMC cost for 5-years and its validity shall be 60 days beyond CAMC period. Necessary preventive maintenance reports shall be submitted at the end of warranty period with working satisfactory certification from the user Department.
14. **CAMC:** Comprehensive Annual Maintenance Contract as per the prevailing rate as mentioned below will be applicable for the purchase orders issued for Five (5) years after completion of warranty period.
15. **Purchaser Rights:** Purchaser reserves all rights to cancel the purchase order issued by the purchaser at any time without assigning any reasons.
16. **Applicable Law:** The contract shall be governed by and interpreted in accordance with the laws of India for the time being in force.
17. **Resolution of disputes**
Shall be as per the cl. 30 of GCC of TED.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, Sealed and Delivered by the
said..... (For the *Purchaser*)
in the presence of

Signed, Sealed and Delivered by the
said ASHOK TATIN (For the *Supplier*)
(Signature, Name, Designation and
Address with Office seal)
in the presence of



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FORWARDING SLIP TO ACCOMPANY REVISED AGREEMENT

- 1 Agreement No. & Date : /TSMSIDC/2022-23, Dated: .03.2024.
- 2 Name of the Work : Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad
- 3 Estimated Contract Value (ECV) : NA
- 4 Agreement Contract Value
a) Original Agmt. value : **Rs. 23,72,93,648/-**
Agmt. No: 256/A/TSMSIDC/SOTC/Spl.Proj/2022-23, Dt: 08.02.2023
{(Basic Price Rs. 14,89,60,357/- + GST Amount Rs. 2,68,12,864/-) + 5-Yr CAMC Cost Rs. 6,15,20,427/- excl. GST}
- b) Suppl. Agmt. value : **Rs. 5,32,46,673/-**
Agmt. No: 03/TSMSIDC/2022-23, Dt: 16.12.2023
{(Basic Price Rs. 3,23,42,424/- + GST Amount Rs. 70,99,556/-) + 5-Yr CAMC Cost Rs. 1,38,04,693/- excl. GST}
- 5 Revised Agreement value : **Rs. 36,03,18,913/- (Annexure - A)**
{(Basic Price Rs. 22,71,19,330/- + GST amount Rs. 4,08,81,479/-) + 5-yrs CAMC charges Rs. 9,23,18,104/- excl. GST}
- 6 Name & Address of the Contractor : M/s. MPS ASTA Consortium,
59, Indu House,
Industrial Area, Rama Road,
Delhi – 110015
- 7 Name of the Bank & Branch : ICICI Bank Ltd.,
Account No: 663705601159
Parliament street Branch,
MICR code: 110229177
IFSC code: ICIC0006637

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REVISED AGREEMENT

Name of work : Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

Name of Contractor : M/s. MPSASTA Consortium,
59, Indu House,
Industrial Area, Rama Road,
Delhi - 110015

Suppl. Agt. No : 04/TSMSIDC/2022-23, DT: 16.03.2024

Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
1	1	SOTC001	Stainless Steel Pre-fabricated Wall panels. (MOTs & MOT Corridor) - Wall panels	Sqm	15,010	491.95	73,84,148.00	5,253.50	25,84,452.00
2	1	SOTC002	Stainless Steel Pre-fabricated Ceiling panels In MOTs & MOTs Corridor	Sqm	15,010	263.17	39,50,107.00	5,253.50	13,82,537.00
3	1.5	SOTC003	Dynamic Hatch Box	Nos	2,95,000	0.00	-	1,03,250.00	-
4	2.1	SOTC004	Electro conductive Flooring inside MOTs	Sqm	4,035	217.78	8,78,743.00	1,412.25	3,07,560.00
5	2.2	SOTC005	Flooring with Vinyl Sheets In MOT Corridor	Sqm	3,750	87.03	3,26,374.00	1,312.50	1,14,231.00
6	3	SOTC006	Uni Directional Ceiling Laminar Airflow Systems	Nos	4,65,000	6.00	27,90,000.00	1,62,750.00	9,76,500.00
7	3.1	SOTC007	Air Handling Units (AHUs) 11 TR	Nos	14,95,000	6.00	89,70,000.00	5,23,250.00	31,39,500.00
8	3.2	SOTC008	Condensing Units	Nos	3,45,000	6.00	20,70,000.00	-	-
9			AE		3,45,000	4.00	13,80,000.00	-	-
10	4	SOTC009	Pressure Relief Dampers	Nos	22,500	6.00	1,35,000.00	7,875.00	47,250.00
11	5.1	SOTC010	Single arm Anesthesia Pendants (Imported)	Nos	11,95,000	6.00	71,70,000.00	4,18,250.00	25,09,500.00
12	5.2	SOTC011	Triple Dome Ceiling OT LED Lights (Imported)	Nos	47,50,000	2.00	95,00,000.00	16,62,500.00	33,25,000.00
13			AE		47,50,000	2.00	95,00,000.00	16,62,500.00	33,25,000.00
14	5.3	SOTC012	Double Dome Ceiling OT LED Lights (Imported)	Nos	35,50,000	2.00	71,00,000.00	12,42,500.00	24,85,000.00
15	5.4	SOTC013	Detachable Hi Definition Cameras in Triple Dome Ceiling OT Lights	Nos	9,95,000	3.00	29,85,000.00	3,48,250.00	10,44,750.00
16	91	SOTC014	Ceiling/Wall mounted CCTV Room Camera	Nos	22,500	6.00	1,35,000.00	7,875.00	47,250.00
17	6	SOTC015	LED Peripheral Lights cum clean room (OT) luminaries	Nos	18,750	102.00	19,12,500.00	6,562.50	6,69,375.00
18			AE		18,750	5.00	93,750.00	6,562.50	32,813.00
19	7	SOTC016	View Window with Motorised Blinds of 1 Mt Length & 1 Mt Height	Nos	1,15,000	9.00	10,35,000.00	40,250.00	3,62,250.00
20			AE		1,15,000	5.00	5,75,000.00	40,250.00	2,01,250.00
21	8	SOTC017	Hermetically Sealed Doors (1.80mt x 2.10 mt)	Nos	1,15,000	6.00	6,90,000.00	40,250.00	2,41,500.00
22			AE		1,15,000	3.00	3,45,000.00	40,250.00	1,20,750.00
23	8	SOTC018	(1.50mt x 2.10 mt) Sliding Automatic Sliding Doors with View Window of 1 Mt x 1 Mt	Nos	5,25,000	2.00	10,50,000.00	1,83,750.00	3,67,500.00
24	10	SOTC019	Storage Units	Nos	75,000	6.00	4,50,000.00	26,250.00	1,57,500.00



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Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
25	11	SOTC020	Writing Board (List Board)	Nos	18,750	6.00	1,12,500.00	6,562.50	39,375.00
26	12	SOTC021	X-Ray CT Scan LED viewing Screen	Nos	37,500	6.00	2,25,000.00	13,125.00	78,750.00
27	13	SOTC022	Touch Screen Surgeon Control Panels	Nos	3,85,000	6.00	23,10,000.00	1,34,750.00	8,08,500.00
28				AE	3,85,000	3.00	11,55,000.00	1,34,750.00	4,04,250.00
29	14	SOTC023	3-Bay Scrub Stations/Sinks	Nos	3,68,750	2.00	7,37,500.00	1,29,062.50	2,58,125.00
30				AE	3,68,750	2.00	7,37,500.00	1,29,062.50	2,58,125.00
31	16	SOTC024	Video and Image Management system	Nos	80,00,000	1.00	80,00,000.00	28,00,000.00	28,00,000.00
32	16.1	SOTC025	Medical Grade Monitors 32 inch 4 K Resolution	Nos	12,95,000	6.00	77,70,000.00	4,53,250.00	27,19,500.00
33	16.2	SOTC026	Wall mounted large screen display 55 inch (Commercial Grade)	Nos	4,95,000	2.00	9,90,000.00	1,73,250.00	3,46,500.00
34	16.3 & 16.4	SOTC027	Cable connections for integration within MOTs and with Workshop Projector Hall, Networks with OFC Cable	Job	9,97,500	6.00	59,85,000.00	3,49,125.00	20,94,750.00
35	16.5	SOTC028	Wireless Microphone	Nos	2,55,000	1.00	2,55,000.00	89,250.00	89,250.00
36	16.6	SOTC029	Digital mixer Amplifier	Nos	2,45,000	1.00	2,45,000.00	85,750.00	85,750.00
37	16.7	SOTC030	Ceiling Mounted Speakers	Nos	15,000	6.00	90,000.00	5,250.00	31,500.00
38	16.8	SOTC031	Video Conferencing System	Nos	11,95,000	1.00	11,95,000.00	4,18,250.00	4,18,250.00
39	17.1	SOTC032	Home Theatre Power Conditioner, 230 V	Nos	1,45,000	1.00	1,45,000.00	50,750.00	50,750.00
40	17.2	SOTC033	Amplifier (8 Channel)	Nos	2,45,000	1.00	2,45,000.00	85,750.00	85,750.00
41	17.3	SOTC034	HiFi Active Sub Woofer	Nos	50,000	1.00	50,000.00	17,500.00	17,500.00
42	17.5	SOTC035	4K Laser Projection TV	Nos	14,95,000	1.00	14,95,000.00	5,23,250.00	5,23,250.00
43	17.6 & 17.7	SOTC036	Equalization & Loud Speaker Control System	Nos	40,000	1.00	40,000.00	14,000.00	14,000.00
44	17.8	SOTC037	Sound Analog Mixer	Nos	2,45,000	1.00	2,45,000.00	85,750.00	85,750.00
45	19	SOTC038	Electrical Installations in MOTs & TIRs	Job	1,95,000	9.00	17,55,000.00	68,250.00	6,14,250.00
46	1	SOTC039	Stainless Steel Pre-fabricated Wall panels in TIRs & TIR Corridor	Sqm	15,010	202.00	30,32,020.00	5,253.50	10,61,207.00
47				AE	15,010	136.93	20,55,346.00	5,253.50	7,19,371.00
48	1	SOTC040	Stainless Steel Pre-fabricated Ceiling panels in TIRs and TIR Corridor	Sqm	15,010	146.00	21,91,460.00	5,253.50	7,67,011.00



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Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
49				AE	15,010	33.22	4,98,632.00	5,253.50	1,74,521.00
50	2.1	SOTC041	Electro conductive Flooring inside TIRs	Sqm	4,035	73.66	2,97,236.00	1,412.25	1,04,033.00
51	2.2	SOTC042	Flooring with Vinyl Sheets In TIR Corridor	Sqm	3,750	61.00	2,28,750.00	1,312.50	80,063.00
52				AE	3,750	70.41	2,64,028.00	1,312.50	92,410.00
53	3	SOTC043	Uni Directional Ceiling Laminar Airflow Systems	Nos	3,95,000	3.00	11,85,000.00	1,38,250.00	4,14,750.00
54	3.1	SOTC044	Air Handling Units (AHUs) 11 TR	Nos	14,95,000	2.00	29,90,000.00	5,23,250.00	10,46,500.00
55	3.1	SOTC045	Air Handling Units (AHUs) 8.5 TR	Nos	11,95,000	1.00	11,95,000.00	4,18,250.00	4,18,250.00
56	3.2	SOTC046	Condensing Units	Nos	3,45,000	3.00	10,35,000.00	1,20,750.00	3,62,250.00
57				AE	3,45,000	3.00	10,35,000.00	1,20,750.00	3,62,250.00
58	4	SOTC047	Pressure Relief Dampers	Nos	22,500	3.00	67,500.00	7,875.00	23,625.00
59	8	SOTC049	Hermetically Sealed Doors (1.80mt x 2.10 mt)	Nos	5,25,000	3.00	15,75,000.00	1,83,750.00	5,51,250.00
60	15	SOTC050	12mm thick glazed Glass partition walls in TIRs	Sqm	650	40.00	26,000.00	227.50	9,100.00
61	15	SOTC051	Wall mounted LED TV43 inchesFull HD	Nos	1,65,000	3.00	4,95,000.00	57,750.00	1,73,250.00
62	91	SOTC052	Ceiling/Wall mounted CCTV Room Camera	Nos	12,000	3.00	36,000.00	4,200.00	12,600.00
63	88.6	SOTC053	BED HEAD PANEL FOR TIR WITH DOUBLE OUTLETS AND ELECTRICAL OUTLETS	Nos	49,500	3.00	1,48,500.00	17,325.00	51,975.00
64	12	SOTC054	X-RAY VIEWERS FOR ALL ICUS AND PRE OPP AREAS AND DOCTORS ROOMS	Nos	37,500	5.00	1,87,500.00	13,125.00	65,625.00
65				AE	37,500	1.00	37,500.00	13,125.00	13,125.00
66	11	SOTC055	WRITING BOARDS FOR ICUS, PRE OPP	Nos	18,750	5.00	93,750.00	6,562.50	32,813.00
67				AE	18,750	1.00	18,750.00	6,562.50	6,563.00
68	91	SOTC056	CCTV CEILING CAMERA	Nos	9,500	10.00	95,000.00	3,325.00	33,250.00
69	22 a	SOTC057	Supply and Fixing of 25mm dia Conduit Pipes surface on wall.	Rmt	110	10000.00	11,00,000.00	38.50	3,85,000.00
70	22 b	SOTC058	Supply and Fixing of 25mm dia Conduit Pipes Concealed on wall.	Rmt	115	4000.00	4,60,000.00	40.25	1,61,000.00
71	23 a	SOTC059	Wiring with run of 2 of 1.5 Sqmm Copper cable for points wiring.	Pts	1,525	570.00	8,69,250.00	533.75	3,04,238.00
72	23 b	SOTC060	Wiring with run of 2 of 1.5 Sqmm Copper cable for staircase points wiring.	Pts	1,100	10.00	11,000.00	385.00	3,850.00



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[Signature]
CHIEF ENGINEER

Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
73	23 c	SOTC061	Supply and fixing of 6A/10A ISI Mark 3/2 pin Modular socket Common switch board	Pts	900	25.00	22,500.00	315.00	7,875.00
74	23 d	SOTC062	Wiring with 3 of 1.5 sq.mm with 6A switch and 6A, 3/2 pin socket Modular type with 6A switch control fixing on separate board.	Pts	2,800	50.00	1,40,000.00	980.00	49,000.00
75	23 e	SOTC063	Supply and fixing of 6A switches - 2 Nos and 6A 3/2 pin socket - 3 Nos Modular type with cover plate	Pts	1,400	200.00	2,80,000.00	490.00	98,000.00
76	23 f	SOTC064	Supply & fixing of 16A/6A, 2 in one socket with 16A switch control modular type	Nos	900	200.00	1,80,000.00	315.00	63,000.00
77	23 g	SOTC065	Supply & fixing of 32A, socket with switch control modular	Nos	1,600	18.00	28,800.00	560.00	10,080.00
78	23 h	SOTC066	Supply & fixing of 64A, socket with 64A switch control modular type	Nos	18,000	4.00	72,000.00	6,300.00	25,200.00
79	24 a	SOTC067	Supply and Run of 1 of 1.5 sq.mm (phase, neutral and earth) FRLSH / HFFR PVC insulated 1100V grade as per IS:694/1990, IS 17048 specifications for Copper cable.	Rmt	36	2000.00	72,000.00	12.60	25,200.00
80	24 b	SOTC068	Supply and Run of 3 of 1.5 sq.mm (phase, neutral and earth) FRLSH / HFFR PVC insulated 1100V grade as per IS:694/1990, IS 17048 specifications for Copper cable.	Rmt	100	2000.00	2,00,000.00	35.00	70,000.00
81	24 c	SOTC069	Supply and Run of 3 of 2.5 sq.mm (phase, neutral and earth) FRLSH / HFFR PVC insulated 1100V grade as per IS:694/1990, IS 17048 specifications for Copper cable.	Rmt	145	8000.00	11,60,000.00	50.75	4,06,000.00
82	24 d	SOTC070	Supply and Run of 3 runs of 4.0 sq mm (phase neutral and earth) FRLSH / HFFR PVC insulated 1100V grade as per IS:694/1990, IS 17048 specifications for Copper cable.	Rmt	230	5000.00	11,50,000.00	80.50	4,02,500.00



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[Signature]
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Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
83	24 e	SOTC071	Supply and Run of 3 of 6.0 Sq.mm FRLSH / HFFR PVC insulated 1100V grade as per IS:694/1990, IS 17048 specifications for Copper cable.	Rmt	325	300.00	97,500.00	113.75	34,125.00
84	24 f	SOTC072	Supply and Run of 5 of 6.0 Sq.mm FRLSH / HFFR PVC insulated 1100V grade as per IS:694/1990, IS 17048 specifications for Copper cable.	Rmt	545	300.00	1,63,500.00	190.75	57,225.00
85	24 g	SOTC073	Supply and Run of 5 of 10.0 Sq.mm FRLSH / HFFR PVC insulated 1100V grade as per IS:694/1990, IS 17048 specifications for Copper cable.	Rmt	850	500.00	4,25,000.00	297.50	1,48,750.00
86	25 a	SOTC074	Supply and fixing of DP Metal Enclosure with IP 20 Protection DB Make with 1 No 20A, 10 KA DP MCB	Nos	1,800	8.00	14,400.00	630.00	5,040.00
87	25 b	SOTC075	Supply and fixing of 4 Way TPN DB Horizontal with IP 43 Protection as per IS:13032 (For Lighting DBs)	Nos	13,000	10.00	1,30,000.00	4,550.00	45,500.00
88	25 c	SOTC076	Supply and fixing of 4 Way TPN DB Horizontal with IP 43 Protection as per IS:13032 (For Power DB's)	Nos	13,000	14.00	1,82,000.00	4,550.00	63,700.00
89	25 d	SOTC077	Supply and fixing of 8 Way VTPN DB with IP 43 Protection as per IS:13032	Nos	50,000	5.00	2,50,000.00	17,500.00	87,500.00
90	25 e	SOTC078	Supply and fixing of cable adopteres box with cover for DBs including, massanory work etc., complete.,	Nos	6,000	10.00	60,000.00	2,100.00	21,000.00
91	26 a	SOTC079	Providing independent earthing for Important equipment with 40mm dia 'B' class 2.5m long G.I pipe (GI Earthing)	Nos	22,500	18.00	4,05,000.00	7,875.00	1,41,750.00
92	26 b	SOTC080	Providing independent earthing by exacavating a pit to a depth of 2.25Mtr in all soils as per size specified in the data for Sophisticated Electronic equipment (Copper Earthing)	Nos	54,000	18.00	9,72,000.00	18,900.00	3,40,200.00



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CHIEF ENGINEER

Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
93	26 b 1	SOTC081	Providing independent earthing for Important equipment with 100mm dia Heavy gauge C.I Earthing	Nos	25,000	6.00	1,50,000.00	8,750.00	52,500.00
94	26 c	SOTC082	Supply and Run of 50mm x 6mm G.I Strip	Rmt	450	400.00	1,80,000.00	157.50	63,000.00
95	26 d	SOTC083	Supply and Run of 25mm x 3mm copper strip	Rmt	300	400.00	1,20,000.00	105.00	42,000.00
96	27 a	SOTC084	Supply, transportation and fixing of 22W +/- 10% , > / 2300 lumens, 1200mm length LED light	Nos	4,800	20.00	96,000.00	1,680.00	33,600.00
97	27 b	SOTC085	Supply, transportation and fixing 32-36W (>=3600 Lumens), 2' x2' (600mm x 600mm) slim panel LED luminaire	Nos	4,000	60.00	2,40,000.00	1,400.00	84,000.00
98	27 c	SOTC086	Supply, transportation and fixing 12 W +/-10% (>= 1200 Lumens) Down lighter back lit LED Down Light Recessed / Surface	Nos	1,400	215.00	3,01,000.00	490.00	1,05,350.00
99	27 d	SOTC087	Supply, transportation and fixing 18 W +/-10% (>= 1800 Lumens) Down lighter back lit LED Down Light	Nos	1,800	95.00	1,71,000.00	630.00	59,850.00
100	27 e	SOTC088	Supply, transportation and fixing ISI mark batten holder / slanting holder	Nos	160	8.00	1,280.00	56.00	448.00
101	27 f	SOTC089	Supply, Transportation of energy efficient fan, 1200 mm sweep, aluminium body, consuming 28 W, BEE 5 star rated, ceiling fan	Nos	3,700	40.00	1,48,000.00	1,295.00	51,800.00
102	27 f 1	SOTC090	Supply and fixing of Modular type Stepped electronic regulator.	Nos	1,000	40.00	40,000.00	350.00	14,000.00
103	27 f 2	SOTC091	Labour charges for fixing of ceiling fan and regulator	Nos	210	40.00	8,400.00	73.50	2,940.00
104	27 f 3	SOTC092	Supply and erecting 19/20mm steel tube down rod of one meter length	Nos	600	40.00	24,000.00	210.00	8,400.00
105	27 g	SOTC093	Supply of 12" (300mm) Light duty exhaust fan	Nos	3,000	5.00	15,000.00	1,050.00	5,250.00
106	27 h	SOTC094	Supply,Transportation of 12" (300mm) ISI, 900 RPM Heavy duty exhaust fan	Nos	4,900	10.00	49,000.00	1,715.00	17,150.00



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 CHIEF ENGINEER


Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
107	27 i	SOTC095	Labour charges for fixing the exhaust fan in wall with necessary connections	Nos	900	15.00	13,500.00	315.00	4,725.00
108	27 j	SOTC096	Supply and fixing of GI louver shutter including GI mesh	Nos	3,200	15.00	48,000.00	1,120.00	16,800.00
109	28 a	SOTC097	Main Power Panel with 1000A 4 Pole ACB as incomer - 1 No and out goings 800 A 4P MCCB - 1 No., 630 A 4P MCCB - 1 No., 400A 4P MCCB - 4 Nos & 250A 4P MCCB - 3 No's with required Digital Ammeter and Voltmer, LED Indicators	Nos	13,15,000	1.00	13,15,000.00	4,60,250.00	4,60,250.00
110	28 b	SOTC098	Floor Power Panel : Incomer: 630A 4 Pole MCCB, - 1 No Outgoings 250 A 4P MCCB - 4 No's 125 A 4P MCCB - 10 No's, 63 A 4P MCCB - 4 No's with required Digital Ammeter and Voltmer, LED Indicators	Nos	8,75,000	1.00	8,75,000.00	3,06,250.00	3,06,250.00
111	28 c	SOTC099	Electrical Lighting Panels : Incomer: 250 A 4 Pole MCCB - 1 No, Out Goings 125 A 4P MCCB - 4 No's 63 A 4P MCCB - 3 No's with required Digital Ammeter and Voltmer, LED Indicators	Nos	3,70,000	2.00	7,40,000.00	1,29,500.00	2,59,000.00
112	29 d	SOTC100	130KVAR Out Door Capacitor panel : Incomer: 250A FP MCCB - 1 No, 63A 10KA TP MCB - 9 Nos. 20 KVAR Capacitor Duty contactors - 5 Nos., 10 KVAR Capacitor Duty contactors - 2 Nos., 5 KVAR Capacitor Duty contactors - 2 Nos. 12 stage APFC Relay - 1 No	Nos	4,50,000	1.00	4,50,000.00	1,57,500.00	1,57,500.00



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CHIEF ENGINEER

Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
113		SOTC101	630 KVA Transformer OLTC for transformers with RTCC: Supply, Transportation, Installation, Testing and Commissioning of 630 KVA TRANSFORMER with all test reports. The Transformer shall be designed and manufactured as per IS:1180 OLTC with level-II with initial filling of oil as per IS 335-1993. 1000 A LT Breaker Kiosk - 01 No. The basic details of the Transformer are as under. Makes: Kirloskar / PETE / Esennar / Voltamp / Crompton / ABB / Schneider.	Nos	40,00,000	0.00	-	14,00,000.00	-
114	30 a	SOTC102	Supply of 25 Sqmm 3.5 Core XLPE insulated UG Cable.	Rmt	300	200.00	60,000.00	105.00	21,000.00
115	30 b	SOTC103	Supply of 50 Sqmm 3.5 Core XLPE insulated UG Cable.	Rmt	560	200.00	1,12,000.00	196.00	39,200.00
116	30 c	SOTC104	Supply of 70 Sqmm 3.5 Core XLPE insulated UG Cable.	Rmt	750	75.00	56,250.00	262.50	19,688.00
117	30 d	SOTC105	Supply of 120 Sqmm 3.5 Core XLPE insulated UG Cable.	Rmt	1,050	50.00	52,500.00	367.50	18,375.00
118	30 e	SOTC106	Supply of 185 Sqmm 3.5 Core XLPE insulated UG Cable.	Rmt	1,500	50.00	75,000.00	525.00	26,250.00
119	30 f	SOTC107	Supply of 240 Sqmm 3.5 Core XLPE insulated UG Cable.	Rmt	1,900	100.00	1,90,000.00	665.00	66,500.00
120	30 g	SOTC108	Supply of 300 Sqmm 3.5 Core XLPE insulated UG Cable.	Rmt	2,400	500.00	12,00,000.00	840.00	4,20,000.00
121	31 a	SOTC109	Termination of UG cables of 3.5 core 25 Sq.mm	Nos	850	8.00	6,800.00	297.50	2,380.00
122	31 b	SOTC110	Termination of UG cables of 3.5 core 50 Sq.mm	Nos	1,200	8.00	9,600.00	420.00	3,360.00
123	31 c	SOTC111	Termination of UG cables of 3.5 core 70 Sq.mm	Nos	1,500	8.00	12,000.00	525.00	4,200.00
124	31 d	SOTC112	Termination of UG cables of 3.5 core 120 Sq.mm	Nos	1,900	4.00	7,600.00	665.00	2,660.00
125	31 e	SOTC113	Termination of UG cables of 3.5 core 185 Sq.mm	Nos	2,500	4.00	10,000.00	875.00	3,500.00
126	31 f	SOTC114	Termination of UG cables of 3.5 core 240 Sq.mm	Nos	3,500	4.00	14,000.00	1,225.00	4,900.00



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Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
127	31 g	SOTC115	Termination of UG cables of 3.5 core 300 Sq.mm	Nos	4,000	12.00	48,000.00	1,400.00	16,800.00
128	31 h	SOTC116	Earth work excavation of Trench laying of U.G cables up to 70 sqmm	Rmt	1,100	100.00	1,10,000.00	385.00	38,500.00
129	31 i	SOTC117	Earth work excavation of Trench laying of U.G cables from 95 Sqmm	Rmt	1,150	100.00	1,15,000.00	402.50	40,250.00
130	31 j	SOTC118	Laying of PVC armoured under ground cable up to 95 Sqmm on wall	Rmt	125	200.00	25,000.00	43.75	8,750.00
131	31 k	SOTC119	Laying of PVC armoured under ground cable from 120 Sq.mm to 400 Sqmm saddles on wall	Rmt	270	700.00	1,89,000.00	94.50	66,150.00
132	32 a	SOTC120	Supply, Transportation and Installation of 150mm x 50mm x 2mm thick hot dip GI perforated cable tray	Rmt	1,295	200.00	2,59,000.00	453.25	90,650.00
133	32 b	SOTC121	Supply, Transportation and Installation of 300mm x 50mm x 2mm thick hot dip GI perforated cable tray	Rmt	4,500	100.00	4,50,000.00	1,575.00	1,57,500.00
134	33 a	SOTC122	Supply, Transportation and installation of 10KVA / 312V DC on line UPS system	Nos	4,00,000	9.00	36,00,000.00	1,40,000.00	12,60,000.00
135	33 b	SOTC123	Supply and fixing of 12V, 150 AH MF battery	Nos	25,000	234.00	58,50,000.00	8,750.00	20,47,500.00
136			AE		25,000	118.00	29,50,000.00	8,750.00	10,32,500.00
137	33 c	SOTC124	Supply and providing of UPS cum battery rack 20 batteries	Nos	30,000	9.00	2,70,000.00	10,500.00	94,500.00
138			AE		30,000	2.00	60,000.00	10,500.00	21,000.00
139	33 d	SOTC125	Supply, Transportation, Installation, Testing and commissioning of storage / Pressure type 5 Star rated water heater with ABS plastic body of 15 Ltrs	Nos	16,000	7.00	1,12,000.00	5,600.00	39,200.00
140			AE		16,000	4.00	64,000.00	5,600.00	22,400.00
141	34	SOTC126	26 persons ICU bed cum passenger lift (1768 Kgs) G+8 Floors, 9 stops,9 Openings (Cost Includes amount for Construction of Shaft / Cladding from Ground to 8th Floor)	Nos	1,04,95,000	1.00	1,04,95,000.00	36,73,250.00	36,73,250.00



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Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
142	35.1	SOTC127	1.50 TR with , 18000 BTU/Hr High Wall mount Split Air Conditioners	Nos	1,50,000	6.00	9,00,000.00	52,500.00	3,15,000.00
143									
144	35.2	SOTC128	2.0 TR with , 24000 BTU/Hr High Wall mount Split Air Conditioners	Nos	2,10,000	2.00	4,20,000.00	73,500.00	1,47,000.00
145									
146	35.3	SOTC129	Voltage stabilizer for 4 KVA maximum load	Nos	7,000	6.00	42,000.00	2,450.00	14,700.00
147									
148	35.4	SOTC130	Voltage stabilizer for 5 KVA maximum load	Nos	8,500	1.00	7,000.00	2,450.00	2,450.00
149									
150	35.5	SOTC131	Ductable Air Conditioners 11.0 TR with ISEER ≥ 4	Nos	12,00,000	1.00	12,00,000.00	4,20,000.00	4,20,000.00
151	35.6	SOTC132	Ductable Air Conditioners 8.5 TR with ISEER ≥ 4	Nos	10,00,000	2.00	20,00,000.00	3,50,000.00	7,00,000.00
152									
153	35.7	SOTC133	Ductable Air Conditioners 5.5 TR with ISEER ≥ 4	Nos	9,00,000	2.00	18,00,000.00	3,15,000.00	6,30,000.00
154									
155	36.2	SOTC134	Automatic Smoke Detection System	Job	14,25,000	1.00	14,25,000.00	4,98,750.00	4,98,750.00
156	36.3	SOTC135	Automatic Fire Alarm System	Job	14,00,000	1.00	14,00,000.00	4,90,000.00	4,90,000.00
157	36.4	SOTC136	Supply & Fixing of 4.5Kg, CO2 Type Fire Extinguisher.	Nos	27,000	6.00	1,62,000.00	9,450.00	56,700.00
158	36.5	SOTC137	Supply and fixing of ABC stored pressure squeeze grip type fire extinguishers, 9 kg capacity.	Nos	16,000	6.00	96,000.00	5,600.00	33,600.00
159	36.6	SOTC138	Supply and fixing of ABC Powder MAP 4 Kg Fire extinguisher	Nos	11,000	10.00	1,10,000.00	3,850.00	38,500.00
160	36.7	SOTC139	Supply and fixing of 2 Kg Fire extinguisher Clean Agent	Nos	22,500	10.00	2,25,000.00	7,875.00	78,750.00
161	36.8	SOTC140	Supply and fixing of Escape signage boards in Rigid Photo luminescent based glow	Nos	2,000	150.00	3,00,000.00	700.00	1,05,000.00
162	36.9	SOTC141	Supply & Fixing of Powder Coated Fire Rated doors.	Sqm	29,000	6.00	1,74,000.00	10,150.00	60,900.00
163									
				AE	29,000	7.80	2,26,200.00	10,150.00	79,170.00



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CHIEF ENGINEER

Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
164	37	SOTC142	Telephone & EPABX System	Job	10,00,000	1.00	10,00,000.00	3,50,000.00	3,50,000.00
165	38	SOTC143	Local Area Network (LAN) System	Job	12,50,000	1.00	12,50,000.00	4,37,500.00	4,37,500.00
166	39	SOTC144	Biometric Access Control System	Nos	3,00,000	2.00	6,00,000.00	1,05,000.00	2,10,000.00
167			AE		3,00,000	1.00	3,00,000.00	1,05,000.00	1,05,000.00
168			Dismantling, clearing away and carefully stacking useful materials for re-use and disposal of unserviceable materials with 100m lead as directed by Engineer-in-Charge duly taking actual premeasurements before dismantling including all charges complete (Reinforced cement concrete)	Cum	5,400	10.00	54,000.00	1,890.00	18,900.00
169		SOTC145							
169			Dismantling, clearing away and carefully stacking useful materials for re-use and disposal of unserviceable materials with 100m lead as directed by Engineer-in-Charge duly taking actual premeasurements before dismantling including all charges complete (Unreinforced cement concrete)	Cum	4,500	1.50	6,750.00	1,575.00	2,363.00
170		SOTC146							
170			AE		4,500	50.40	2,26,807.00	1,575.00	79,382.00
171			Dismantling, clearing away and carefully stacking useful materials for re-use and disposal of unserviceable materials with 100m lead as directed by Engineer-in-Charge duly taking actual premeasurements before dismantling including all charges complete (Brick Masonary)	Cum	900	118.00	1,06,200.00	315.00	37,170.00
171		SOTC147							
172			AE		900	34.69	31,222.00	315.00	10,928.00



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Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
173		SOTC148	Dismantling, clearing away and carefully stacking useful materials for re-use and disposal of unserviceable materials with 100m lead as directed by Engineer-in-Charge duly taking actual premeasurements before dismantling including all charges complete (Kadapa slabs or shahabad stone slabs on sand bed)	Sqm	630	25.00	15,750.00	220.50	5,513.00
174			AE		630	667.93	4,20,794.00	220.50	1,47,278.00
175		SOTC149	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 charge etc., complete for finished item of work. (Not exceeding 3 sqm in area)	Nos	1,800	57.00	1,02,600.00	630.00	35,910.00
176			AE		1,800	146.00	2,62,800.00	630.00	91,980.00
177		SOTC150	Conveyance of un-useful excavated earth to a distance of 16 KM for disposal including hire charges of T and P, labour charges etc., complete for finished item of work.	Cum	900	250.00	2,25,000.00	315.00	78,750.00
178			AE		900	64.77	58,292.00	315.00	20,402.00
179	40	SOTC151	RCC M 25 grade design mix (For lintels)	Cum	18,900	3.00	56,700.00	6,615.00	19,845.00
180			AE		18,900	0.17	3,213.00	6,615.00	1,125.00
181	41	SOTC152	RCC M 20 grade design mix (50mm thick platforms)	Sqm	1,170	0.00	-	-	-
182	41	SOTC153	RCC M 20 grade design mix (25 mm thick Shelves)	Sqm	900	0.00	-	-	-
183	42	SOTC154	Brick Masonry work in CM (1:6) prop in superstructure	Cum	15,300	3.00	45,900.00	5,355.00	16,065.00
184			AE		15,300	108.95	16,66,950.00	5,355.00	5,83,433.00



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Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
185	43	SOTC155	Reinforced Masonry for partition walls (100 mm thick) in CM (1:4)	Sqm	2,700	404.93	10,93,318.00	945.00	3,82,661.00
186	44	SOTC156	PCC (1:3:6) nominal mix using 20mm size graded m/c (For bed blocks and hold fasts) (OTs screed)	Cum	9,000	0.00	-	-	-
187	45	SOTC157	Filling with light weight concrete in Cement Concrete (1:5:10) proportion using brick jelly for low roofs	Cum	7,200	16.87	1,21,429.00	2,520.00	42,500.00
188	46	SOTC158	Thermo Mechanically Treated (Fe -500/500D/550D) for RCC works	MT	1,26,000	0.77	96,844.00	44,100.00	33,895.00
189	49	SOTC159	Plastering 12mm thick in two coats with base coat of 8mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4). for Internal walls.	Sqm	1,224	1600.00	19,58,400.00	428.40	6,85,440.00
190					1,224	548.80	6,71,736.00	428.40	2,35,108.00
191	51	SOTC160	Impervious coat to exposed RCC roof slab surfaces (APSS No. 901 and 903) For Toilets	Sqm	360	43.05	15,498.00	126.00	5,424.00
192	92	SOTC161	Providing and applying Wall putty of White Cement or Polymer or Cement based of average 1 to 2 mm thickness over plastered surface to prepare the surface even and smooth after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, applying emery paper, Sand the surface, clean & wipe off loose dust, applying knifing paste filler by putty knife / muslin pad, air dry for 2 - 3	Sqm	270	1811.53	4,89,114.00	94.50	1,71,190.00
193	53	SOTC162	Flooring with non-skid full body ceramic floor tiles	Sqm	1,710	85.00	1,45,350.00	598.50	50,873.00
194					1,710	13.08	22,368.00	598.50	7,829.00
195	55	SOTC163	Dadooing to walls with glazed full body Porcelain wall tiles	Sqm	1,440	225.00	3,24,000.00	504.00	1,13,400.00
196					1,440	115.00	1,65,600.00	504.00	57,960.00



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Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
197	56	SOTC164	Dadoing to walls with glazed full body Ceramic tiles	Sqm	1,440	270.22	3,89,113.00	504.00	1,36,190.00
198	57	SOTC165	Painting one coat water based cement primer of interior grade I and two coats of acrylic emulsion paint for ceiling and Walls	Sqm	360	1372.01	4,93,925.00	126.00	1,72,874.00
199	59	SOTC166	Painting to new wood work	Sqm	360	75.00	27,000.00	126.00	9,450.00
200	60	SOTC167	Painting to new iron work	Sqm	270	88.00	23,760.00	94.50	8,316.00
201			AE		270	38.42	10,373.00	94.50	3,631.00
202	61	SOTC168	Two shutter cupboards	Sqm	9,000	0.00	-	-	-
203	64	SOTC169	UPVC Fixed Louvered Ventilator	Sqm	12,000	7.00	84,000.00	4,200.00	29,400.00
204			AE		12,000	9.52	1,14,198.00	4,200.00	39,969.00
205		SOTC170	UPVC 3 track Sliding Windows	Sqm	9,000	15.00	1,35,000.00	3,150.00	47,250.00
206			AE		9,000	30.28	2,72,484.00	3,150.00	95,369.00
207		SOTC171	MS Grills to Windows	Sqm	1,800	126.42	2,27,556.00	630.00	79,645.00
208	66	SOTC172	Flooring with 16 to 18 mm thick high polished granite stone slabs black colour for platforms (S.S.701 and special)	Sqm	6,300	50.00	3,15,000.00	2,205.00	1,10,250.00
209	67	SOTC173	Doors as per approved drawings with medium teak wood frame (1500mm x 2600mm)	Sqm	6,300	15.40	97,020.00	2,205.00	33,957.00
210	68	SOTC174	Doors as per approved drawings with medium teak wood frame (1000mm x 2100mm)	Sqm	7,400	17.20	1,27,280.00	2,590.00	44,548.00
211	69	SOTC175	Doors Shutters WPC(800mm x 2100mm)	Sqm	5,400	33.38	1,80,249.00	1,890.00	63,087.00
212	70	SOTC176	Scientific Doors with metal door frames and door shutters made of galvanize steel	Sqm	18,000	45.00	8,10,000.00	6,300.00	2,83,500.00
213			AE		18,000	24.30	4,37,400.00	6,300.00	1,53,090.00
214	71	SOTC177	False ceiling as per Technical specification	Sqm	1,800	750.00	13,50,000.00	630.00	4,72,500.00
215	72	SOTC178	Vinyl flooring	Sqm	3,000	500.00	15,00,000.00	1,050.00	5,25,000.00
216			AE		3,000	164.00	4,92,000.00	1,050.00	1,72,200.00
217	74	SOTC179	Impervious coat to exposed RCC roof slab surfaces of 20mm thick (APSS No. 901 and 903)	Sqm	1,260	0.00	-	-	-



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CHIEF ENGINEER

Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
218	63	SOTC180	Fixed Glass Window – 1200 x 1200	Sqm	5,400	53.55	2,89,170.00	1,890.00	1,01,210.00
219					5,400	7.46	40,284.00	1,890.00	14,099.00
220	95	SOTC181	Grouting the holes with neat cement slurry of 20mm dia with all required accessories of all materials etc., including cost & Conveyance of all labour Charges etc., complete finished item of work (*As per SSR2021-22 of S.NO:-8)	Nos	180	0.00	-	-	-
221	96	SOTC182	Pressure grouting the drilled holes with neat cement slurry or with approved grout admixture using pump - excluding cost of drilling holes after fixing nozzles as technical specification approved by the department etc., including cost & Conveyance of all labour charges etc., complete finished item of work	Nos	630	500.00	3,15,000.00	220.50	1,10,250.00
222		SOTC182			630	632.00	3,98,160.00	220.50	1,39,356.00
223	87 A	SOTC183	Supply and fabricating,erecting and fixing inposition trusses of approved design with structural steel other than MS.	Kgs	180	6500.00	11,70,000.00	63.00	4,09,500.00
224	87 B	SOTC184	Supply and fixing of pre painted Galvalume Trapezoidal Profile Roofing with 0.50mm Thickness.	Sqm	1,080	65.00	70,200.00	378.00	24,570.00
225	75	SOTC185	4" (101.6mm) multi floor trap with jali - UPVC/SWR	Nos	270	25.00	6,750.00	94.50	2,363.00
226					270	19.00	5,130.00	94.50	1,796.00
227	76	SOTC186	580mm x 440mm long Orissa pan white glazed Water Closet	Nos	5,400	4.00	21,600.00	1,890.00	7,560.00
228	77	SOTC187	European Water Closet of 1st quality	Nos	6,300	9.00	56,700.00	2,205.00	19,845.00
229	78	SOTC188	Indian make Flat Back Wash Hand Basin 1st quality	Nos	3,600	15.00	54,000.00	1,260.00	18,900.00
230	79	SOTC189	CP finish brass soap dish	Nos	1,100	21.00	23,100.00	385.00	8,085.00
231	80	SOTC190	TV shape mirror with plastic frame of size 609.6mm x 457.2mm	Nos	630	15.00	9,450.00	220.50	3,308.00
232	81	SOTC191	25.4mm dia , 609.6mm long aluminium anodized towel rods	Nos	540	21.00	11,340.00	189.00	3,969.00



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CHIEF ENGINEER

Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
233	82	SOTC192	15 mm brass body CP finish bib tap of not less than 300 grams weight	Nos	540	14.00	7,560.00	189.00	2,646.00
234	87 C	SOTC193	Self Closing Tap - Push Type	Nos	720	15.00	10,800.00	252.00	3,780.00
235	84	SOTC194	Chromium plated finish brass body quarter turn Bibcock cum Health Faucet	Nos	3,600	9.00	32,400.00	1,260.00	11,340.00
236	85	SOTC195	Ashirvad/ Ajay/ Astral Flowguard or equivalent CPVC Pipes and Fittings - 15.90mm OD pipe	Rmt	270	55.00	14,850.00	94.50	5,198.00
237			AE		270	53.23	14,373.00	94.50	5,031.00
238	85	SOTC196	Ashirvad/Ajay/Astral Flowguard or equivalent CPVC Pipes and Fittings - 22.20mm OD pipe	Rmt	360	115.00	41,400.00	126.00	14,490.00
239			AE		360	14.71	5,294.00	126.00	1,853.00
240	85	SOTC197	Ashirvad/ Ajay/ Astral Flowguard or equivalent CPVC Pipes and Fittings - 28.60mm OD pipe	Rmt	450	115.50	51,975.00	157.50	18,191.00
241	86	SOTC198	Bronze Gate/ Globe valve - 25mm Nominal bore	Nos	1,440	15.00	21,600.00	504.00	7,560.00
242			AE		1,440	5.00	7,200.00	504.00	2,520.00
243	87	SOTC199	SWR PVC pipes (Prince/ Sudhakar/ Kisan/ Supreme or any ISI brand) 4 Kg/Sq.cm. - 75mmdia	Rmt	450	84.00	37,800.00	157.50	13,230.00
244	87	SOTC200	SWR PVC pipes (Prince/ Sudhakar/ Kisan/ Supreme or any ISI brand) 4 Kg/Sq.cm. - 110mmdia	Rmt	540	68.25	36,855.00	189.00	12,899.00
245	90	SOTC201	Supplying and fixing 15 mm nominal size 152.0 mm CP finish iron body shower rose 1st quality including cost and conveyance of all materials, labour charges , overheads & contractors profit for finished item of work in all floors.	Nos	630	5.00	3,150.00	220.50	1,103.00
246			AE		630	1.00	630.00	220.50	221.00
247	87 D	SOTC202	Supply and Fixing of white glazed flat back bowl urinals	Nos	2,700	0.00	-	945.00	-
248	87 E	SOTC203	Supply and fixing of 16mm to 20 mm thick polished marbles slab partitions of size 4'0"×2'0"	Nos	3,600	0.00	-	1,260.00	-



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CHIEF ENGINEER

Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
249	88.1	SOTC204	28 mm dia. and 0.90 mm thick Copper Pipe Lines for Main lines	Rmt	1,750	700.00	12,25,000.00	612.50	4,28,750.00
250									
251	88.1	SOTC205	42 mm dia. and 1.20 mm thick Copper Pipe Lines for Main lines	Rmt	2,250	200.00	4,50,000.00	787.50	1,57,500.00
252									
253	88.1	SOTC206	54 mm dia. and 1.20 mm thick Copper Pipe Lines for Main lines	Rmt	2,950	550.00	16,22,500.00	1,032.50	5,67,875.00
254									
255	88.1	SOTC207	12 mm dia. and 0.70 mm thick Copper Pipe Lines for distribution lines	Rmt	650	320.00	2,08,000.00	227.50	72,800.00
256									
257	88.1	SOTC208	15 mm dia. and 0.90 mm thick Copper Pipe Lines for distribution lines	Rmt	950	525.00	4,98,750.00	332.50	1,74,563.00
258									
259	88.1	SOTC209	22 mm dia. and 0.90 mm thick Copper Pipe Lines for distribution lines	Rmt	1,450	530.00	7,68,500.00	507.50	2,68,975.00
260									
261	88.2	SOTC210	15 mm (1/2") Isolation Valves	Nos	1,500	31.00	46,500.00	525.00	16,275.00
262	88.2	SOTC211	22 mm (3/4") Isolation Valves	Nos	2,500	14.00	35,000.00	875.00	12,250.00
263	88.2	SOTC212	28 mm Isolation Valves	Nos	3,500	5.00	17,500.00	1,225.00	6,125.00
264									
265	88.2	SOTC213	42 mm Isolation Valves	Nos	4,500	4.00	18,000.00	1,575.00	6,300.00
266	88.2	SOTC214	54 mm Isolation Valves	Nos	5,500	3.00	16,500.00	1,925.00	5,775.00
267									
268	88.3	SOTC215	Gas Outlet Points with probes for Oxygen with S Brackets	Nos	2,850	189.00	5,38,650.00	997.50	1,88,528.00
269									
270	88.4	SOTC216	2 Gas Digital Area Alarm Panels	Nos	25,000	0.00	-	8,750.00	-
271	88.4	SOTC217	3 Gas Digital Area Alarm Panels	Nos	30,000	4.00	1,20,000.00	10,500.00	42,000.00



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Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
272			AE		30,000	1.00	30,000.00	10,500.00	10,500.00
273	88.4	SOTC218	5 Gas Digital Area Alarm Panels	Nos	40,000	0.00	-	14,000.00	-
274	88.4	SOTC219	Master Digital Alarm Panels	Nos	50,000	1.00	50,000.00	17,500.00	17,500.00
275	88.5	SOTC220	BPC Flow meter with Humidifier bottle and L adapter	Nos	2,250	27.00	60,750.00	787.50	21,263.00
276			AE		2,250	16.00	36,000.00	787.50	12,600.00
277	88.5	SOTC221	L Type Adapter for Oxygen Flow meters	Nos	1,250	27.00	33,750.00	437.50	11,813.00
278	88.5	SOTC222	Kit for conversion of Oxygen	Nos	1,650	18.00	29,700.00	577.50	10,395.00
279	88.5	SOTC223	Suction Jars of 600 ml capacity	Nos	3,450	27.00	93,150.00	1,207.50	32,603.00
280			AE		3,450	19.00	65,550.00	1,207.50	22,943.00
281	88.5	SOTC224	Adapters for Vacuum	Nos	750	27.00	20,250.00	262.50	7,088.00
282	88.5	SOTC225	Adapters for Air	Nos	750	27.00	20,250.00	262.50	7,088.00
283	88.5	SOTC226	Adapters for Nitrous Oxide	Nos	750	15.00	11,250.00	262.50	3,938.00
284	88.5	SOTC227	Vacuum Tube	Nos	550	85.00	46,750.00	192.50	16,363.00
285			AE		550	30.00	16,500.00	192.50	5,775.00
286	88.6	SOTC228	Bed Head wall panel horizontal 1500 mm long single railing	Nos	35,000	27.00	9,45,000.00	12,250.00	3,30,750.00
287			AE		35,000	4.00	1,40,000.00	12,250.00	49,000.00
288	88.7 b	SOTC229	Valve box -2 services	Nos	9,500	0.00	-	3,325.00	-
289	88.7 b	SOTC230	Valve box -3 services	Nos	14,500	3.00	43,500.00	5,075.00	15,225.00
290			AE		14,500	2.00	29,000.00	5,075.00	10,150.00
291	88.7 b	SOTC231	Valve box -6 services	Nos	22,500	6.00	1,35,000.00	7,875.00	47,250.00
292	88.8 a	SOTC232	4 + 4 size of CO2 manifold System	Job	40,000	2.00	80,000.00	14,000.00	28,000.00
293			AE		40,000	1.00	40,000.00	14,000.00	14,000.00
294	88.8 b	SOTC233	2 cylinder emergency manifold CO2	Job	14,500	2.00	29,000.00	5,075.00	10,150.00
295	88.8 c	SOTC234	Fully Automatic CO2 Control System	Job	1,85,000	2.00	3,70,000.00	64,750.00	1,29,500.00
296	88.9	SOTC235	Aneste Iwata Make TFS 150 C9 Model, Compresso Two stage, Motor 15 HP & 57.18 CFM, 60 CFM Air Dryer with 2000 Ltrs Receiver Twin System (For Air4, Air7)	Job	18,95,000	1.00	18,95,000.00	6,63,250.00	6,63,250.00



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CHIEF ENGINEER

Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done	CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)	
297	88.1	SOTC236	Supporting structure for MGPS lines with Ismb Columns, beams, MS angles, Flats and square rods	Job	7,95,000	1.00	7,95,000.00	2,78,250.00
298	88.11	SOTC237	2x20 Oxygen Main manifold System	Job	95,000	1.00	95,000.00	33,250.00
299	88.12	SOTC238	Electrical Control Panel for MGPS	Job	1,45,000	1.00	1,45,000.00	50,750.00
300	88.13	SOTC239	Vaccum system Ingersoll Rand Make Model 15V x 10 Model with 5 HP Motor with 1000 Liters Reciever, Filters, Electricals, Etc Secretion Trap and Bacteria Filter	Job	14,95,000	2.00	29,90,000.00	10,46,500.00
301		SOTC240	Validation By Third Party Agency Charges per Each MOT	Each	1,00,000	4.00	4,00,000.00	1,40,000.00
302			AE		1,00,000	5.00	5,00,000.00	1,75,000.00
303		SOTC241	Anesthetic Gas Scavenging System (AGSS)	Job	12,13,000	1.00	12,13,000.00	4,24,550.00
304		SOTC242	Double Arm Surgical Pendant	Nos	11,95,000	6.00	71,70,000.00	25,09,500.00
305		SOTC243	Electrical connections for 2 UPS	Job	1,00,000	0.00		-
			TOTAL				22,26,26,238	7,67,11,699

SUPPLEMENTAL ITEMS

306		Suppl 01	Supply and installation of Under-deck Thermocol insulation sheets of 40 mm thick having more than 30 Kg/m3 density to ceiling by brush application of bituminous adhesive to the sheets and secured with screw along with washer at the centre of the sheet supported with GI wire running diagonally to the sheet of 2mm dia. (in ICUs & MOTs Integration Room)	Sqm	1,014	262.74	2,66,418.00	-
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Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec.	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
307		Suppl 02	Supply and placing of the Design Mix Plain Cement Concrete of M 25 grade corresponding to IS 456 with minimum cement content of 380 kgs per 1 cum of concrete using Concrete Batching Plant with 20mm size graded machine crushed hard granite metal (coarse aggregate - as per IS 383 - 1970 and IS 2386 Part 1 to Part 8) 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. (in 6 OTs)	Cum	11,740	28.01	3,28,837.40	-	-
308		Suppl 03	Supply and Laying of Floor leveller compound (self smoothing mortar) to level the surface, having bulk density not less than 2 Kg/l for a fresh mortar, compressive strength not less than 20 N/mm ² , initial setting time not more than 40 minutes and offer a 25 minutes working time. The surface should be walkable after 30 min of laying. (all rooms & corridors except OTs, TIRs and Sterile corridor)	Sqm	1,460	882.44	12,88,362.40	-	-



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Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
309		Suppl 04	Providing dadoing to walls with glazed full body ceramic wall tiles of size 800 x 1600 mm with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc., scratch less, stain free and thickness between 6-8 mm 1st quality conforming to IS:13711, IS:13712, IS:13630 Parts 1 to 15 of any colour and finish in all shades and designs with borders as approved by Engineer-in-Charge set over base coat of CM1:5 12 mm thick using screened sand with cement slurry of honey like consistency spread at the rate of 3.30 kgs per sqm and jointing with white cement paste mixed with pigment of matching shade to full depth, including cost of all materials like tiles, cement, sand and water etc., complete for finished item of work. (at Entrance)	Sqm	4,665	119.39	5,56,931.03	-	-



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ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
310		Suppl 05	Providing (1500 X 2100) single sliding door operated by elbow switches / foot switch as well as touchless sensor of 10mm thick toughened glass (Saint Gobin / Modi Guard) fixed in SS 304 grade 2 Track top channel of 45 mm (one track to hold fixed glass partition in position and second track with top rollers suitably angled to reduce resistance to movement to facilitate smooth sliding movement of the door). Single track bottom channel to be provided for fixed glass partition. Floor guide to be provided for smooth sliding of the door. Concealed door handle of (150 mm) to be provided in cutout on the sliding door for manual operation when required. All fittings provided should be of Titon /Ozone / Enox make in SS 304 - In TIRs	Nos	2,70,276	2.00	5,40,552.00	94,600.00	1,89,200.00
311		Suppl 06	V-Board Partitions on top of false ceiling for partitioning of sterile corridor and non-sterile corridor (for dividing corridors into zones above ceiling)	Sqm	3,640	16.00	58,240.00	1,274.06	20,385.00
312		Suppl 07	GI Powder Coated Sliding Doors (0.8mm shutter sheet thk & 1.2mm frame sheet thk with Single Rebate and Honeycomb Infill) Double Leaf Door 1200 x 2100mm with Accessories (Sliding Track for Double Door, Sliding Dead Lock Enox, Concealed Handles 100mm Ahlada, Flush Bolt 300mm Ahlada, SS304 Kick Plate upto 350mm ht, DG Clear Float Glass 350x750x6mm with Adhesive Tape & Silicon Sealant) (for change rooms to corridor entrance)	Nos	84,133	1.00	84,133.00	29,450.00	29,450.00



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Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
313		Suppl 08	Supply and installation of 50mm 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/m ³ density PUF as infill, GI profiles all along the periphery, flush on both sides with maximum allowable gap of 3-4mm filled with food grade silicon sealant and placed on cold rolled galvanised bottom tracks with a recess to provide floor to wall coving flush with the wall panel. This includes all required hardware for completion Panels to be covered with a protective film to avoid any damages during transportation and installation	Sqm	7,450	297.52	22,16,524.00	756.25	2,25,000.00
314		Suppl 09	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/m ³ 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 transportation and installation	Sqm	7,450	163.08	12,14,946.00	1,073.09	1,75,000.00



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Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
315		Suppl 10	Acoustic Wall Panelling with framework consisting of 25mm high GI wall channels with fully knurled surface of 0.55mm thick bottom wedge of 80mm width, having two equal flanges of 26mm is anchored to GI studs of 50mm high. GI studs of 50mm High to be fixed to wall at 600mm centres, 25mm thick channels are then fixed perpendicular to the GI studs and suitable fixing channel is fixed to the cross channel to fix the panel to achieve overall air gap of 75mm from the wall and GI Clips for inside panel and Clips for border panel of 18mm to be fixed to the GI wall channel to achieve required shape. Secured arranging of polyester wool of – thickness/density, Prelam Board to be installed. 15mm thick Prelam perforated Wooden slat of required dia perforation & pitch is to be customised and then fixed to GI frame rigidly by using fixing channel fastened perpendicular to the cross channel with GI brackets. The boards shall be fixed to the GI frame with special cleats. (MOTs Integration Room)	Sqm	6.350	110.00	6.98,500.00	1,363.64	1,50,000.00



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CHIEF ENGINEER


Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
316		Suppl 11	Acoustic Ceiling Paneling with Perforated board Fine line Grid false ceiling using 11mm thick Perforated Board sheet tiles of size 595mm x 595mm fixing to steel precast GI wall angle of size 25mm x 25mm x 0.70mm thick along the perimeter of ceiling screw fixed to brick work / partition at 610mm center to center and suspending the frame work using precast GI Tee section (24mm x 38mm x 0.7mm) from soffit at 1220mm center to center fixed with GI Soffit Cleat, rawl plugs and steel expansion fasteners & connecting clip to the GI Tee section with 4mm dia GI rod with galvanised spring steel level clip of PVC universal holding clips system at 1200mm center to center and Secured arrangement of polyester wool of 50mm thick 1000 GSM, Prelam Board to be installed. 15mm thick Prelam perforated Wooden slat of required dia perforation & pitch is to be customised and then fixed to GI frame rigidly by using fixing channel fastened perpendicular to the cross channel with GI brackets. The boards shall be fixed to the GI frame with special cleats. (MOTs Integration Room)	Sqm	5,700	62.00	3,53,400.00	1,223.79	75,875.00
317		Suppl 12	Wooden Flooring with Engineered wood planks of 14mm thick (MOTs Integration Room)	Sqm	7,300	65.00	4,74,500.00	1,230.77	80,000.00
318		Suppl 13	Skirting for Wooden Flooring with Engineered wood planks of 14mm thick (MOTs Integration Room)	Rmt	900	40.00	36,000.00	315.00	12,600.00
319		Suppl 14	80% blackout Ruler Blinds for MOTs Integration Room Windows	Nos	12,000	3.00	36,000.00	4,200.00	12,600.00



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CHIEF ENGINEER

Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
320		Suppl 15	Supply and installation of double pass RO system having 2 nos feed pumps of 1.5 HP with max flow of 4000 ltr/hr including construction of sand filter of dimensions (H=1650 mm, D=325 mm) with filter media as Quartz sand of SS vessel construction and Activated Carbon filter of dimensions (H= 1650mm) with filter media as Activated carbon (IV-600) of SS vessel construction, with 4 nos of spiral wound RO membrane of size 4 inch dia x 1 m length of make ION EXCHANGE (HYDROMEN) (or) equal, 2 nos UV system with service flow of 1000 ltr/hr (Before 2nd filter and after SS tank out-let) with PEX pipeline recirculation loop to avoid contamination in pipe to supply for 10 beds in Post ICU, 4 beds in Transplant ICU and 1 for each TIR.) Drainage outlet to be provided near each RO outlet.	Job	62,40,000	1.00	62,40,000.00	44,59,625.00	44,59,625.00
321		Suppl 16	<u>Terrace Water Proofing:</u> Dismantling and shifting of debris to Ground Floor: Dismantling the existed Concrete Screed flooring completely by using mechanical chipping machine, and shifting debris from terrace to ground floor.	sqm	306.80	1700.00	5,21,560.00	44,14,185.00	44,14,185.00



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ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
322		Suppl 17	<p><u>Terrace Water Proofing:</u> Surface Preparation & Cracks Treatment: Prepare the surface thoroughly by cleaning and wash, removing dust, dirt, oil, grease and loose particle with high 160 bar pressure water Jet pumps. Find the cracks on rcc slab, Shrinkage and non-moving cracks should be pre-treated by cutting the crack @10mmx10mm, prepare the cracks dust free by using of wire brush& air blower, mix the two components of low viscosity epoxy epoxy resin Fosroc Conbextra EP10/Dr. Fixit Pidiprime A/ Sika Davco FLORPRIMW WB- Water based epoxy primer, two components epoxy injection grout and treat the cracks. Seal the cracks with Fosroc Nitoseal PU 50/ Dr. Fixit Crack X Paste/ Sikalastic(R) -562 IN (DAVCO K10 Polyurethane Plus) single-component moisture-cure, polyurethane hybrid joint sealant.</p>	Sqm	206.50	1700.00	3,51,050.00		
323		Suppl 18	<p><u>Terrace Water Proofing:</u> Angle fillet / taper: Providing angle fillet of 75mmx75mm with polymer modified mortar in the ratio of cement: sand: aggregate in the ratio of (1:1.5:1.5) admixed with Fosroc Nitobond SBR/M-Crete PC Bond SBR/ Dr. Fixit Pidicrete URP @10% by the weight of cement to avoid cracking at 90° angle of RCC slab & Masonry wall joints.</p>	Sqm	507.40	650.00	3,29,810.00		



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ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
324		Suppl 19	<p><u>Terrace Water Proofing:</u> Primer Coat: Applying 1 coat of Fosroc Nitoproof WB Primer/ Dr. Fixit Primeseal Primer/ SikaFloor(R)-133 W Primer (Floorprime WB) is a two component product and must be mixed & applied in order to perform as specified. Transfer base and the hardener to a suitable fresh container and mix thoroughly with a slow speed mixer for 2 -3 minutes which makes the mix as a milky white paste . Add double the quantity of clean water by volume to the mix gradually under mixing which makes the mix as low viscous milky white liquid. The diluted primer should be applied at a coverage of 8-10 m2/litre, preferably using roller. The applied primer should be allowed to reach tack free condition before applying liquid applied coatings and membranes. The tack free condition of Nitoproof WB primer happens after 4-5 hours of application @ 27 deg.</p>	Sqm	159.30	1700.00	2,70,810.00		



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ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
325		Suppl 20	<p><u>Terrace Water Proofing:</u> Application of 2 Coats of Pitch Free PU based Liquid applied single component elastomeric waterproofing membrane (Fosroc Nitoproof 600PF/ BASF HLM5000/ Dr. Fixit Roofseal Ultra). Application of Fosroc Nitoproof 600PF/ BASF HLM5000/ Dr. Fixit Roofseal Ultra can be applied by brush, squeegee, roller/ suitable spray applied machine. It is applied at a minimum wet film thickness of 1.5mm in 2 coats. The second coat should be applied in perpendicular direction to the first coat.</p>	Sqm	1,569.40	1700.00	26,67,980.00		
326		Suppl 21	<p><u>Terrace Water Proofing:</u> Laying 200 GSM Geotextile Fabric: Laying of 200GSM geotextile cloth over the waterproof coating with overlap of 30mm at cloth joints.</p>	Sqm	177.00	1700.00	3,00,900.00		
327		Suppl 22	<p><u>Terrace Water Proofing:</u> Laying of 125mm Fiber Reinforced M20 Grade Protective Concrete Screed on Terrace. Marking the levels over the waterproofing system as per the slab level towards rain outlet. Laying of M20 grade fiber reinforced concrete screed, leveling the surface as per the marked levels, providing the proper slope to rain water outlets providing the neat kalai finish polymer modified slurry. Cut the 5mmx5mm groove for every 4mtx4mt between 24hrs - 48hrs of concrete laying. Provide water stoppers for curing with water.</p>	Sqm	1,770.00	1700.00	30,09,000.00		



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ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
328		Suppl 23	<u>Terrace Water Proofing:</u> Control Joints Treatment: Provide the masking tape of both edges of joint, prepare the joints dust free by wire brush and air blower, seal the joints of 5mmx5mm with Fosroc Nitoseal PU50/ Dr. Fixit Crack X Paste/ Sikalastic(R)- 562 IN (DAVCO K10 Polyurethane Plus) single component polyurethane sealant by using PU Gun. Remove the masking tapes.	Sqm	265.50	1060.00	2,81,430.00		
			<u>External Walls Repair & Waterproofing Treatment:</u> RCC Sunshades Repairs : a. Check the damaged Rcc sunshades/ projections/ any plastered area damages by visual inspection & fiber hammer test. b. Mark those damaged area, cut the marked area with electronic cutting machine and remove the loose concrete/ plaster and expose the reinforcement. c. Apply Fosroc Reebaklens RR Rust remover/ Dr. Fixit Repairpro rust remover/ SikaRustoff-100 IN with brush for complete wetting of rusted reinforcement and allowed to react it for 16-24 hours. After 24 hours, clean the rust with wire brush & air blower.			645.00	33,48,840.00		



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ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
329		Suppl 24	<p><u>External Walls Repair & Waterproofing Treatment:</u></p> <p>d. Wash the reinforcement thoroughly with clean water. Wire brush again to remove remaining loose material and finish by thoroughly washing down with clean water and allow to complete dry.</p> <p>e. Applying of FOSROC Nitozinc primer/ Dr. Fixit Epoxy zincrich primer/ Sika Ferrogard-950 IN to exposed existed reinforcement after cleaning the Rust, an unbroken 40 microns coating capable of provided 'active' galvanic protection for exposed reinforcement.</p> <p>f. Enhancing the bonding between Old RCC Ceiling to New Polymer Mortar with applying of SBR Based Polymer Modified Cementitious Bond coat admixed FOSROC Nitobond SBR/ M- Crete PC bond SBR/ Dr. Fixit Pidicrete URP.</p>						



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ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
			<p><u>External Walls Repair & Waterproofing Treatment:</u></p> <p>g. Providing 20mm of structural grade polymer modified mortar by Fosroc Renderoc S2/M- Crete PC Mortar Ultra with then 2nd layer of finishing will be done by polymer modified mortar with cement mortar 1:3 (cement:sand) admixed Fosroc Nitobond SBR/M-Crete PC bond SBR/ Dr. Fixit Pidicrete URP @10% by the weight of cement weight and water, make the proper finish to existed wall level.</p> <p>h. Any holes will be packed with polymer modified mortar (M-Crete PC mortar Ultra) prior that holes should be prepared dust free by wire-brush and Air Blower, wash the holes with clean water and maintain SSD condition.</p>						



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Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
330		Suppl 25	<p><u>External Walls Waterproofing:</u></p> <p>a. Surface Preparation: Surface must be thoroughly cleaned by using 160 bar Jet pump to clean dust, fungus, algae, grease etc. Treat any areas affected by Algae, moss or fungal growth.</p> <p>b. Crack Filling: The surface to be checked for cracks, cut the cracks 5mmx5mm by electronic cutting machine, clean the cracks with wire brush and air blower, seal the cracks with Fosroc Nitoseal PU50/ Dr. Fixit Crack X paste/ Sikalastic(R) -562 IN (DAVCO K10 polyurethane Plus) Polyurethane Sealant .</p> <p>c. External Wall Waterproof Coating & Priming: After the proper surface preparation and curing of repaired areas wash the surface well and maintaining it in saturated surface dry condition proceed for priming using Dr. Fixit Primeseal diluted in 2:1 ratio with water (2 parts Primeseal diluted with 1 part water). Maintain the spreading rate of 8-10 sq mtr per litre for a single coat application to achieve about 20 – 25 microns DFT. Allow it to dry for 6-8 hrs.</p>	Sqm	826.00	1700.00	14,04,200.00		



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ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
			External Walls Waterproofing: d. COATING(2-Coats): Brush apply 1st coat of Dr. Fixit Raincoat waterproof coating without any dilution. Maintain the spreading rate of 3.5 - 4.0 sqm per litre / coat application to achieve about 120-130 microns DFT. The 2nd coat of Dr. Fixit Raincoat Classic Topcoat to be apply ith the interval of 6-8 hrs without any dilution. Maintain the spreading rate of 7-8 sqm per litre/ coat application to achieve about 50-60 microns DFT.						
331		Suppl 26	Window Frame-Wall Joints/Gaps Treatment: Cut the joint and make a groove of 5mmx5mm by electronic cutting machine, clean the cracks with wire brush and air blower, seal the cracks with Fosroc Nitoseal PU50/ Dr. Fixit Crack X Paste/ Sikalastic(R) - 562 IN (DAVCO K10 Polyurethane Plus) olyurethane Sealant.	Sqm	421.26	300.00	1,26,378.00		



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Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
332		Suppl 27	Supply of Double charged / multi charged stain free full body 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 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 @ 3.3 kgs per Sqm. and jointed neatly with white cement paste to full depth mixed with pigment of matching shade including cost and conveyance of all materials like cement, sand, water, tiles, white cement etc., to site (excluding cost of C.C. bed) including cost of base coat and all labour charges for mixing of cement mortar, laying tiles to required slope as directed by the Engineer-in-charge etc.,and overheads & contractors profit complete for finished item of work. (APSS No.701 & 707).	Sqm	2,550	342.00	8,72,100.00	-	-



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Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
333		Suppl 28	Providing skirting to internal walls to 10 cm height with Double charged / multi charged stain free full body 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 No.701 &707)	Rmt	250	120.00	30,000.00	-	-
334		Suppl 29	Supply, Transportation and installation of 20KVA / 312V DC on line UPS system (for emergency lighting in all rooms & Corridor except OTs & TIRs)	Nos	6,29,358	2.00	12,58,716.00	1,00,000.00	2,00,000.00
335		Suppl 30	800 KVA Transformer OLTC for transformers with RTCC: Supply, Transportation, Installation, Testing and Commissioning of 800 KVA TRANSFORMER with all test reports. The Transformer shall be designed and manufactured as per IS:1180 OLTC with level-II with initial filling of oil as per IS 335-1993. 1000 A LT Breaker Kiosk - 01 No. The basic details of the Transformer are as under. Makes: Kirloskar / PETE / Esennar / Voltamp / Crompton / ABB / Schneider.	Nos	48,14,994	1.00	48,14,994.00	16,85,250.00	16,85,250.00



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ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
336		Suppl 31	750 KVA Generator Set with AMF Control Panel Supply, Transportation, erection and commissioning (Excluding Foundation) of 3 Phase, 415, 50Hz, water cooled multi cylinder diesel generator set with alternator of 750 KVA output continuous rating directly coupled Engine and Alternator 750 KVA, 415 Volts with guard and mounted on a common base plate of Robust construction and complete with AMF panel having IP-52 protection, Acoustic Enclosure as per CPCB norms, sound absorbing material, to restrict sound level up to 75 dB up to 1 Mtr distance and as per CPCB norms etc.	Nos	95,40,000	1.00	95,40,000.00	33,39,000.00	33,39,000.00
337		Suppl 32	Recording in counselling room	Job	1,55,378	1.00	1,55,378.00	32,000.00	32,000.00
338		Suppl 33	Local Area Network (LAN) System	Job	4,60,242	1.00	4,60,242.00	1,20,000.00	1,20,000.00
339		Suppl 34	Monitor Stand beside Bed in ICUs & TIRs	Nos	6,176	31.00	1,91,456.00	645.16	20,000.00
340		Suppl 35	4 Gas Digital Alarm Panels : 4 Gas Digital Alarm Panel consisting of all necessary accessories ie Pressure sensors, regulators, hand valves, pressure gauges etc. (Oxygen, Nitrous oxide, Medical Air, Vacuum) (for TIRs)	Nos	42,150	2.00	84,300.00	14,755.00	29,510.00
341		Suppl 36	6 Gas Digital Alarm Panels : 6 Gas Digital Alarm Panel (Oxygen, Nitrous oxide, Medical Air, Surgical Air, Vacuum, Carbon dioxide) consisting of all necessary accessories ie pressure sensors, regulators, hand valves, pressure gauges etc. (for OTs)	Nos	60,008	6.00	3,60,048.00	21,002.50	1,26,015.00



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ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
342		Suppl 37	Valve box - 4 services : Valve box - 4 Service consisting of Isolation valve 15 mm OD - 04 Nos. and isolation valve 22 mm OD - 01 Nos. accessories ie Pressure gauge connection in a powder coated box The box consisting of lock & key and a brakable glass for emergency. (for TIRs)	Nos	22,201	2.00	44,402.00	7,770.00	15,540.00
343		Suppl 38	4 + 4 size of O2 manifold system : 4+4 Oxygen Main manifold with 19mm ODx12mm I.D .Copper pipe mounted on top frame, Middle frmae and Bottom frame along with brass blocks, NRVs/ cylinder valves and pigtail pipes of 1m long of 8mm OD x 3mm I.D. duly tested at250Kg/Cum 2 pressure & Fully automatic control panel for Oxygen.	Job	48,103	1.00	48,103.00	16,835.00	16,835.00
344		Suppl 39	4 + 4 size of N2O manifold system : 4+4 Nitrous oxide Main manifold with 19mm ODx12mm I.D .Copper pipe mounted on top frame, Middle frmae and Bottom frame along with brass blocks, NRVs/ cylinder valves and pigtail pipes of 1m long of 8mm OD x 3mm I.D. duly tested at 250Kg/Cum 2 pressure & Fully automatic control panel for Nitrous Oxide.	Job	48,103	1.00	48,103.00	16,835.00	16,835.00
345		Suppl 40	2 cylinder emergency manifold - N2O : 2 Cylinder Nitrtus oxide Emergency manifold with 19mm ODx12mm I.D .Copper pipe mounted on top frame, Middle frmae and Bottom frame along with brass blocks, NRVs/ cylinder valves and pigtail pipes of 1m long of 8mm OD x 3mm I.D. duly tested at 250Kg/Cum 2 pressure & Fully automatic control panel for Nitrous Oxide.	Job	17,401	1.00	17,401.00	6,090.00	6,090.00



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Name of Work: Design, Fabrication, Installation and Commissioning on Turnkey basis for the work of Establishment of State Organ Transplant Centre in the 8th Floor, South West Block of Gandhi Hospital, Secunderabad.

ANNEXURE-A

S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
346		Suppl 41	<p>Fully Automatic O2 Control System</p> <p>"Manufactured under an ISO 9001: 2015 certified works. "Control Panel cover made of M.S. duly powder coated.</p> <p>"Compact and fully automatic manifold control system for Oxygen services.</p> <p>*Easy to maintain and use.</p> <p>"Designed with both safety and continuity of flow supply at a constant pressure via to/o banks of bottled gas cylinders with following status monitoring.</p> <p>"A-Bank in use (Green indication).</p> <p>"B-Bank ready for use (Yellow indication). "C-Empty Bank (Red indication).</p> <p>"Control Panel has built in LED display to indicate Normal. High & Low line Pressure.</p> <p>"It has facility to test all above indicators working perfectly.</p> <p>the Control Panel includes Pressure gauge (63 mm) to indicate the gas pressure of each header and pipe line distribution pressure.</p> <p>"Capable to provide a distribution distribution flow rate of 21X10 LPM or more for O2.</p> <p>the control panel incorporate safety puncture system in case pressure exceeds 100 Psi.</p> <p>"In ease of failure of electronic pneumatics system, control can be used manually through by pass system.</p> <p>* CE CERTIFIED.</p>	Job	2,22,013	1.00	2,22,013.00	77,705.00	77,705.00



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S.No	Tech. Spec	Item Code	Item Name	UOM	Unit Rate (Rs.)	As Per Work Done/To Be Done		CAMC Unit Rate (As per Price)	Total CAMC
						QTY	Amount (Rs.)		
347			Fully Automatic N2O Control System Manufactured under an ISO 9001: 2015 certified works. *Control Panel cover made of M.S. duly powder coated. *Compact and fully automatic manifold control system for N2O services. Easy to maintain and use. *Designed with both safety and continuity of flow supply at a constant pressure via two banks of bottled gas cylinders with following status monitoring. *A-Bank in use (Green indication). *B-Bank ready for use (Yellow indication). Authorise&PITAL ENGINEERS D-4 A, YADAV PARK, ROHTAK ROAD, NANGLOI, DELHI-110041 C-Empty Bank (Red indication). *Control Panel has build in LED display to indicate Normal. High & Low line Pressure. *It has facility to test all above indicators working perfectly. *The Control Panel includes Pressure gauge (63 mm) to indicate the gas pressure of each header and pipe line distribution pressure. *Capable to provide a distribution flow rate of 500 LPM or more for N2O. *The control panel incorporte safety puncture system in case pressure exceeds 100 Psi. In ease of failure of electronic pneumatics system, control can be used manually through by-pass system	Job	2,22,013	1.00	2,22,013.00	77,705.00	77,705.00
						TOTAL	4,53,74,571		1,56,06,405
						GRAND TOTAL	26,80,00,809		9,23,18,104



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