

SUMMARY - GANDHI

- Increase in Certain Mandatory Equipment and Furniture - **6,03,600**
- Increase in AHU Condensing Unit & Backup – **1,20,788**
- Shed For AHU Protection From Direct Sunlight, Birds & Rodents – **3,00,000**
- Automatic Dedicated Fire Alarm Panel – **2,91,366**
- Mandatory MGPS Control Panels & Other Provisions – **8,14,670**
- Dedicated RO Plant for Auto Clave – **75,000**
- Good Quality Interior works which includes (Name Plates, Sign Boards, IVF Procedural Photos, AC) to create ambience at Entrance Lobby & Reception – **9,59,766**
- Increase in Number of UPS Batteries to achieve the required Up-Time of 50 min – **2,47,008**
- The following summary is shown detailed in below table:

S.No	Description	As per Agreement	Supplemental Items	Total Work Done
1	Equipment	2,59,08,225	9,31,300	2,68,39,525
2	Civil Works	56,12,831	19,12,429	75,25,260
3	Plumbing works	1,26,489	21,690	1,48,179
4	Electrical works	40,27,908	4,56,452	44,84,360
5	ELV works	8,27,000	-	8,27,000
6	Fire Fighting works	7,35,880	2,91,366	10,27,246
7	Air Conditioning works	38,39,121	1,20,788	39,59,909
8	MGPS works	11,80,152	8,14,670	19,94,822
9	Sub Total (Agreement Part-A)	4,22,57,606	45,48,695	4,68,29,068
10	Provision towards Engineering Supervision Charges @ 4% on RE Value	16,90,304.24	1,81,947.80	18,72,252
11	GST @ 18%	79,10,623.84	8,51,515.70	87,62,139
12	Sub Total	4,98,20,810	54,37,490	5,52,58,300
13	Labour Cess @ 1% on Basic Price of Revised Estimate	-		4,68,063.01
14	NAC @ 0.1% on Basic Price of Revised estimate	-		46,806.30
15	Provision towards Seniorage Charges on Civil Component	-		308
16	Provision towards DMF Charges 30% on Seniorage Charges	-		92.40
17	Provision towards SMFT Charges 2% on Seniorage Charges	-		6.16
18	Provision towards Haritha Nidhi	-		4,680.63
19	Subtotal of S.No 12 to 17	-		5,19,956.50
20	Provision towards GST 18% on Seniorage Charges	-		93,592.17
21	Provision towards Unforeseen items and rounding off (LS) - Inauguration Expenses	31,41,465.92		2,00,000
	Subtotal of S.No 18 to 21	31,41,465.92		8,13,548.67
	Grand Total	5,50,00,000	32,82,479	5,82,54,240.67

Gandhi Hospital (Details)

- Certain Hospital furniture & Minor Equipment was not included in the scope of the EPC contract as it was contemplated at the time of estimate/tender that this furniture would be provided by the Hospital (Gandhi Hospital). However, these equipment & furniture were supplied as per the request of end user as supplemental items to the EPC Contract, in view of the urgency of target inauguration date of the IVF Centre. Such equipment/ furniture are listed below.

S. No	Description	Qty	Unit	Rate	Amount	Remarks
1	Fowler Two Function Bed with ABS Panel in Pre/Post-Operative Ward and Semen Collection Room.	5.00	Nos	39,000	1,95,000	This item is executed since it is required for ICMR Clearance.
2	Bed side Table (ABS) having 1 drawer and shelf in Pre/Post-Operative Ward and Semen Collection Room	5.00	Nos	9,000	45,000	This item is executed since it is required for ICMR Clearance.
3	Corporate Deluxe Locker of SS-304 grade in Semen Collection Room.	1.00	Nos	8,400	8,400	This item is executed since it is required for ICMR Clearance.
4	Bed side stand with full SS 304 grade in Semen Collection Room.	1.00	Nos	9,300	9,300	This item is executed since it is required for ICMR Clearance.
5	Bed side stand with full GI Powder coated in Sample Collection Room	1.00	Nos	4,200	4,200	This item is executed since it is required for ICMR Clearance.
6	Cryo Can 11 Ltr without wheels	1.00	Nos	32,000	32,000	This item is executed since it is required for ICMR Clearance.
7	3-Bay Surgical Scrub Station	1.00	Nos	97,000	97,000	This item is executed since it is required for ICMR Clearance.
8	Sample collection bed in Sample Collection Room	1.00	Nos	29,000	29,000	This item is executed since it is required for ICMR Clearance.
9	Sample collection chair in Sample Collection Room	1.00	Nos	16,200	16,200	This chair is mandatory for sample collection from a patient and executed since it is required for ICMR Clearance.
10	Stainless Steel 304 grade CSSD Rectangular Working table in Auto Clave Room.	1.00	Nos	46,000	46,000	An autoclave needs a CSSD table for handling autoclaved material / instruments. Hence executed

S. No	Description	Qty	Unit	Rate	Amount	Remarks
11	Writing board in Counselling Rooms.	2.00	Nos	2,100	4,200	This is mandatory as per ICMR guidelines, hence work is executed as per the instructions of End-user.
12	Computer Table at Reception & ultrasound room to place 2nos of Computers supplied.	2.00	Nos	14,500	29,000	This table is necessary to place the computer for ultrasound machine hence item is executed.
13	SS-304 working table of size 685x685x762 mm in Embryology Lab.	2.00	Nos	16,300	32,600	It is necessary to place the equipment hence work is executed as per the instructions of Higher officials.
14	SS-304 working table of size 457x457x762 mm in Embryology Lab.	1.00	Nos	14,500	14,500	It is necessary to place the equipment hence work is executed as per the instructions of Higher officials.
15	SS-304 working table of size 610x610x762 mm in Andrology Lab.	1.00	Nos	15,100	15,100	It is necessary to place the equipment hence, work is executed as per the instructions of Enduser.
16	SS-304 working table of size 660x610x762 mm in Andrology Lab.	1.00	Nos	15,800	15,800	It is necessary to place the equipment hence, work is executed as per the instructions of Higher officials.
17	Powder coated GI stand with 4 Nos height adjustable racks of size 670x410x1570 mm in IVF-OT.	1.00	Nos	80,000	80,000	It is necessary to place the equipment hence, work is executed as per the instructions of Higher officials. this stand is necessary to place the Hysteroscopy & Laparoscopy set
18	The Multipurpose Electro Hydraulic Mobile OT Table in Major OT	1.00	Nos	2,10,000	2,10,000	This work is executed as per the instructions of higher officials
19	3-seater sofa with PU leather at Reception.	2.00	Nos	24,000	48,000	Executed as per instructions of higher officials & Enduser.
					6,03,600	

- The Air Handling Units (AHUs) were installed on the terrace above 7th floor as originally contemplated. A shed to cover the AHUs, which is not included in the EPC Contract's scope, was built to protect the AHUs from Rainfall & Direct Sunlight. The Shed also protects the AHUs from Rodents and Pests. This will help in reducing breakdowns and ensuring the required Up-Time of the AHU equipment. This will also enhance the life and performance of the equipment.
- The Estimate/Tender has provided for installation of 1 No condensing Unit for the Operation of HVAC in Embryology Lab & IVF-OT. However it is required to run the Air-Conditioning in this area round the clock (24/7) and it will not be possible to run one condensing unit round the clock. Therefore a second condensing unit was installed additionally with an automatic change over timer so that a single condensing unit will not be required to run continuously.

S. No	Description	Qty	Unit	Rate	Amount	Remarks
1	AHU shed	1	Job	3,00,000	3,00,000	This work is proposed as safety measure for AHU's keeping in view of temperature of outdoor and weather conditions. Technically 5° to 6° C temperature will be reduced which will decrease the power bill also.
2	Condensing Unit	1	Nos	1,82,000	1,82,000	Quantity increased as one AHU unit has been placed for Backup to IVF centre.
3	MS Angle for Duct Support of size 40 X 40 x 5 mm Thick	92.2	Kg	190	17,518	It is mandatory required for support duct hence this work is executed as per the instructions of TSMSIDC Higher officials.
4	MS Angle for Duct Support of size 25 X 25 x 5 mm Thick.	25.5	Kg	190	4,845	It is mandatorily required to support the duct & cable tray. Hence this work is executed as per the instructions of TSMSIDC Higher officials.
5	2.2 TR 3 Star AC	1	Nos	72,225	72,225	The item is provided in the reception area as per the instructions issued by the End user and TSMSIDC higher officials. Hence executed
6	CPVC drain piping for 2.2 Tr AC	66	Rmt	200	13,200	This work is executed as contingency work to the above 2.2 TR AC.
					5,04,363	

- A dedicated automatic fire alarm panel had to be installed for Safety in case of any untoward Fire incidents as precautionary fire safety equipment in line with all modern health care facility premises as the system installed in the MCH Building was not covering the area of the IVF Centre.

S. No	Description	Qty	Unit	Rate	Amount	Remarks
1	Fire Alarm Panel	1.00	Nos	2,91,366	2,91,366	It is necessary to monitor fire alarm detectors in case of emergency. This work is executed as per the instructions of TSMSIDC Higher officials

- Automatic GAS Alarm Panels for MGPS lines carrying the required Medical Gas from Gas Manifold Room was installed to ensure un-interrupted gas flow as any interruption in Gas Supply even for a short time would have very serious consequences on the incubation process in the labs.

S. No	Description	Qty	Unit	Rate	Amount	Remarks
1	Fully Automatic Control Panel for Oxygen System	1.00	Nos	1,75,180	1,75,180	This work is executed as per the necessity of medical gases in IVF Center under the instructions of End user
2	Trigas Emergency Manifold	1.00	Nos	9,620	9,620	This work is executed as per the necessity of medical gases in IVF Center under the instructions of End user.
3	Fully Automatic Control Panel for Trigas System	1.00	Nos	1,75,180	1,75,180	This work is executed as per the necessity of medical gases in IVF Center under the instructions of End user.
4	Fully Automatic Control Panel for CO2 System	1.00	Nos	1,75,180	1,75,180	This work is executed as per the necessity of medical gases in IVF Center under the instructions of End user.

S. No	Description	Qty	Unit	Rate	Amount	Remarks
5	Medical Air-4 Outlet	6.00	Nos	12,470	74,820	This work is executed as per the necessity of medical gases in IVF Centre under the instructions of End user.
6	12 mm Valve for 12 mm OD Pipe	3.00	Nos	930	2,790	This work is executed as per the necessity of medical gases in IVF Centre under the instructions of End user.
7	46.7 litre CO2 cylinders	2.00	Nos	20,850	41,700	This work is executed as per the necessity of medical gases in IVF Centre under the instructions of End user.
8	46.7 litre O2 cylinders	2.00	Nos	17,850	35,700	This work is executed as per the necessity of medical gases in IVF Center under the instructions of End user.
9	46.7 litre Trigas cylinders	2.00	Nos	29,250	58,500	This work is executed as per the necessity of medical gases in IVF Center under the instructions of End user.
10	46.7 litre N2O cylinders	2.00	Nos	33,000	66,000	This work is executed as per the Necessity of medical gases in IVF Center under the instructions of End-user letter enclosed
					8,14,670	

- The Autoclave was installed in the IVF Centre as part of scope under the agreement. The water supply to the Autoclave has to mandatorily be supplied from an RO source to prevent scaling on the Autoclave chamber in case untreated water was used. A dedicated RO plant had to be installed to supply RO water to the Autoclave as no RO water line was available in the hospital facility.

S. No	Description	Qty	Unit	Rate	Amount	Remarks
1	50 LPH storage type RO	1.00	Nos	75,000	75,000	Autoclave needs clean water as per ICMR guidelines, hence this item is taken up.

- Good Quality interiors' work of Entrance Lobby, Reception & Waiting Area of the Centre was taken up for creating the ambience suited to obtain ICMR certification for operations of IVF Centers. Furniture, AC, Display Signs Boards etc., were installed under close guidance and supervision of Field staff. Sofas were supplied as requested by the end user.

S. No	Description	Qty	Unit	Rate	Amount	Remarks
1	Supply and fixing of High Quality IVF Procedural photos on DBs. (2' x 2' and above) at Entrance & Reception Corridor.	14.00	Nos	9,000	1,26,000	This work is executed as per the instructions of Enduser & TSMSIDC Higher Officials.
2	Wall Panelling at Reception.	18.58	Sqm	15,500	2,87,990	the work was taken up at reception and entrance area as per the instructions issued by the End user and TSMSIDC higher officials.
3	WPC Louvers Ceiling at Reception.	7.58	Sqm	17,450	1,32,271	the work was taken up at reception and entrance area as per the instructions issued by the End user and TSMSIDC higher officials.
4	Wooden box ceiling at the top of Reception table	2.58	Sqm	11,335	29,244	the work was taken up at reception and entrance area as per the instructions issued by the End user and TSMSIDC higher officials.
5	Back Panelling with laminate Finish of 1 mm thick at Reception.	7.50	Sqm	10,500	78,750	the work was taken up at reception and entrance area as per the instructions issued by the End user and TSMSIDC higher officials.

S. No	Description	Qty	Unit	Rate	Amount	Remarks
6	ISI marked Magnetic 25mm Block Board door shutters for UPS Room.	1.00	Nos	13,800	13,800	the work was taken up at reception and entrance area as per the instructions issued by the End user and TSMSIDC higher officials.
7	PVC frames on the walls for covering the area over DB Boxes at Non-Sterile & Semi-Sterile Corridors.	4.45	Sqm	6,473	28,805	The work was taken up at reception and entrance area as per the instructions issued by the End user and TSMSIDC higher officials.
8	(25X25) mm WPC corner L-Patties at the top edge of the wall tile cladding at Non-Sterile Corridors.	38.00	Rmt	230	8,740	the work was taken up at reception and entrance area as per the instructions issued by the End user and TSMSIDC higher officials.
9	SS-ROSE GOLD corner & L-Patties at the SIDE edge of the wall tile cladding at Non-Sterile Corridor.	7.00	Nos	1,500	10,500	the work was taken up at reception and entrance area as per the instructions issued by the End user and TSMSIDC higher officials.
10	Door Frame panelling at Entrance	11.58	Rmt	2,166	25,082	The work was taken up at reception and entrance area as per the instructions issued by the End user and TSMSIDC higher officials.
11	60mm Thick Box framing as the back support for the name plate at IVF Main Entrance.	1.32	Sqm	11,012	14,536	The work was taken up at reception and entrance area as per the instructions issued by the End user and TSMSIDC higher officials.
12	32mm Double Flush Door at IVF Main Entrance.	1.00	Nos	50,400	50,400	The work was taken up at reception and entrance area as per the instructions issued by the End user and TSMSIDC higher officials.
13	Side wall decor Frame for photo hangings at IVF Main Entrance Corridor.	10.97	Rmt	2,170	23,805	The work was taken up at reception and entrance area as per the instructions issued by the End user and TSMSIDC higher officials.
14	Wall paper at IVF Main Entrance Corridor.	2.00	Nos	5,175	10,350	The work was taken up at reception and entrance area as per the instructions issued by the End user and TSMSIDC higher officials.

S. No	Description	Qty	Unit	Rate	Amount	Remarks
15	Main IVF logo with LED acrylic board fixed with LEDs inside at Reception.	1.00	Nos	11,475	11,475	The work was taken up at reception and entrance area as per the instructions issued by the End user and TSMSIDC higher officials.
16	Main Entrance LED 3D Acrylic letter board at IVF Main Entrance.	1.00	Nos	44,250	44,250	The work was taken up at reception and entrance area as per the instructions issued by the End user and TSMSIDC higher officials.
17	Hydraulic Door Closer for ABS Doors.	8.00	Nos	2,819	22,552	The work was taken up at reception and entrance area as per the instructions issued by the End user and TSMSIDC higher officials.
18	Point Wiring And Light Fixtures & Fittings	13.00	Nos	1,200	15,600	Work was taken up at reception and entrance area as per the instructions issued by the End user and TSMSIDC higher officials.
19	Profile lights at WPC Louvers	10.66	Rmt	1,182	12,600	Work was taken up at reception and entrance area as per the instructions issued by the End user and TSMSIDC higher officials.
20	Track lights at side wall décor frame with 4 fixtures and 2 tracks	1.00	Job	9,600	9,600	Work was taken up at reception and entrance area as per the instructions issued by the End user and TSMSIDC higher officials.
21	External Profile light at Name Plate	2.89	Rmt	1,182	3,416	work was taken up at reception and entrance area as per the instructions issued by the End user and TSMSIDC higher officials.
					9,59,766	

- A 20 KVA UPS was provided as part of the original scope of Agreement. As per the BOQ of the Agreement 20 Nos 65AH batteries, however the rating of UPS requires 32 Batteries of 65AH to make it operational. Therefore 12 additional Batteries are supplied and installed.

S. No	Description	Qty	Unit	Rate	Amount	Remarks
1	Supply and fixing of 12V 65 AH SMF battery including wire leads. Makes: Quanta / Racket / Exide. At Gandhi Hospital	12.00	Nos	20,584	2,47,008	As the UPS with isolation transformer requires min 32 Nos of batteries to increase uptime of 60 minutes from 30 minutes considering the load. hence the Qty. exceeded and proposed as AE

- Clause 24 of section2 General Instructions to Tenders (Pg No 40). “**Variation of Quantity at the Time of Award/Currency of Contract**”, Provides variation of quantities up to 25% without any change in prices and Terms & Conditions.