

Ref: MECS/2023/03/001

04.03.2023

To
M/s Asta Infra Services Private Limited
8-2-334/27, 3rd floor, Plot no.27
Avenue 7, Road No.3, Banjara hills
Hyderabad – 500034

Kind Attn : Mr Venugopal – Executive Director

Dear Sir,

Sub: Design Consultancy Proposal for Services of Civil, HVAC, Modular Clean room systems, Electrical & LV (CCTV, PA & Access control), Fire Protection and FA Services for your Upcoming IVF Centers at Gandhi Hospital, MGM Warangal, & MGMH petlaburj.(Approximate built up area of Each IVF Center – 4000 Sqft to 5000 Sqft)

With reference to the discussions we had with you on the above subject and we thank for the courtesy extended to us during our visit. During the discussion we explained about us and our experience in MEP, cGMP Pharma facilities & other allied services. We also expressed our willingness to take an assignment for providing the design service for your projects.

Scope of work under Civil, Electrical, Fire protection & Fire Alarm, HVAC and Modular Clean room systems

- Design & Preparation of IVF Layout as per user process requirement.
- Taking the Site as built measurements of the area at which IVF centers proposed.
- Preparation of As built Civil drawings as per site conditions.
- Submission of IVF process layout and get approval from department.
- Arrive the approximate Bill of materials for Walls/ Doors / Windows/flooring etc.
- Preparation of Modular Clean room panels partitions and ceiling layout with required return raisers, View panels, doors , diffusers and Lighting cutouts.
- Arrive the Bill of Materials for Clean room Modular system.
- Carrying out the detailed requirement analysis i.e. Classification, Air-conditioning requirement, etc . and Associated Electrical, FP & FAS
- Designing of Electrical Requirements, comprising electrical panel & distribution from the nearest source point, earth stations, DG Power Distribution with synchronization. Internal distribution cabling to Floor panels.
- Internal electrification comprising VDBs/PDBs internal wiring for the lighting and equipment and based on the tender BOQ
- Designing of area wise lighting layouts as per the desired lux levels based on the application and guide lines for common areas.
- Design of emergency lighting and its distribution.
- Designing of Public addressable system and its distribution, Fire Alarm systems and its distribution. CC and Access control system and its distribution, based on the tender BOQs.
- Air distribution system to meet the specific requirements like temperature, humidity, pressure, prevention of cross contamination, Air changes for applicable areas comprising air handling units, ducting, filtrations & UV Systems for common areas.

- Smoke extraction system for the public and other required areas of applicable.
- Preparation of preliminary designs with cost estimates along with Heat load estimates, ventilation calculations, and alternatives if any for discussion. Preparation of room book
- Preparation of SLDs and Schematics for Electrical & HVAC services.
- Preparation of BOQ s & Estimates and tender drawings comprising, Schematics &, Fire hydrant system etc. SLD of electrical distribution, PA, FA , and CC etc. technical requirements and specifications.
- Submission of Good for Construction drawings.

General scope

- Submission of tender documents.
- Technical Evaluation of Tender bids for technically
- Support for selecting the supplier/ contractors.
- Review and recommendation of Joint measurements provided by the contractor in conjunction with project team. We shall do random physical check based on the review.
- Approval of detailed design and shop drawings for execution submitted by vendors
- Evaluation of project plan and design development plan to ensure that the locus of project is in line with the overall project completion schedule.

Exclusions

- Any kind of liasoning, Inspections and testing, certifications and approvals from the respective departments and organizations.
- Submission of hard copies of the drawings and layouts.
- Any items other than specified.

Remuneration:

The remuneration for the above services is

<i>Item</i>	<i>Development</i>	<i>Amount</i>
1	Comprehensive design consultancy for the above mentioned scope of works (Civil, HVAC, Electrical, Fire Protection, FA, PA & Access control & Modular Clean room system) as mentioned above upto Basic Engineering. (Tender submission.)	Rs. 1,00,000/- (One lakh Only) per Each IVF Center.
2	Comprehensive design consultancy for the above mentioned scope of works (Civil, HVAC, Electrical, Fire Protection, FA, PA & Access control & Modular Clean room system) as mentioned above for detailed Engineering. (after award of tender and construction stage.)	Rs. 2,00,000/- (Two lakh Only) per Each IVF Center.

The above price is **excluding applicable GST (18%)**

Payment Schedule for Item 1:

- 50% as Advance along with work order
- 50% against submission of Tender Drawings, Tender BOQs with rough estimates.

Payment Schedule for Item 2:

- 30% as Advance along with work order
- 60% against submission of GFC drawings and finalization of vendors
- 10% against approval of Vendor Shop drawings.

Project Duration : We considered 6 months

Hope that the above is in line with your requirement and look forward for an opportunity to serve your esteemed organization.

Thanking you and assuring you of our best services at all the times.

Yours faithfully

For Meridian Engineers & Consultancy Services

K Yoganand Kumar
(Senior Consultant)