



**MEPF services Design Consultancy  
Techno-commercial offer  
for  
Proposed Cloud Kitchen @ Mumbai**

**Delivering Performance**

●●● Through People, Processes and Technology

[www.conserveconsultants.com](http://www.conserveconsultants.com)

## Contents of Techno-commercial offer of MEPF services.

1. Description
2. Detailed Scope of Works
3. HVAC ( Heating Ventilation & Air conditioning system)
4. Electrical System
5. PHE ( Plumbing system )
6. Fire Protection & Fire Detection System
7. Exclusion of MEPF Design Consultancy Services
8. Terms & Conditions.
9. Fee Structure with Stages of Deliverables



### **CONSERVE CONSULTANTS PVT. LTD**

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## 1. Conserve Consultants Private Limited (Conserve)

### Mission and Expertise:

1. Conserve Consultants Private Limited (Conserve) aims to deliver performance through people, processes, and technology.
2. With over two decades of experience, Conserve specializes in sustainable design within the built environment.
3. Their team includes MEPF design experts, ECBC and Eco Niwas Samhita consultants, and LEED-accredited professionals.

### 1. Accreditations and Memberships:

1. Conserve is accredited as an expert consultant for the Implementation of Energy Conservation in Building Codes (ECBC) by the Bureau of Energy Efficiency (BEE), Government of India.
2. They are members of prestigious institutions such as ASHRAE, ISHRAE, USGBC, IGBC, and CII.

### 2. Comprehensive Services:

1. Conserve offers a wide range of building services, including MEPF and IBMS design, green building facilitation, energy modeling studies, lighting simulation, and commissioning.
2. Their integrated approach ensures a single-point responsibility for designing high-performing and sustainable buildings.

Overall, Conserve combines expertise, accreditation, and a holistic approach to contribute to sustainable and efficient building practices in India.

## 2. Contents of Techno-commercial offer of MEPF services.

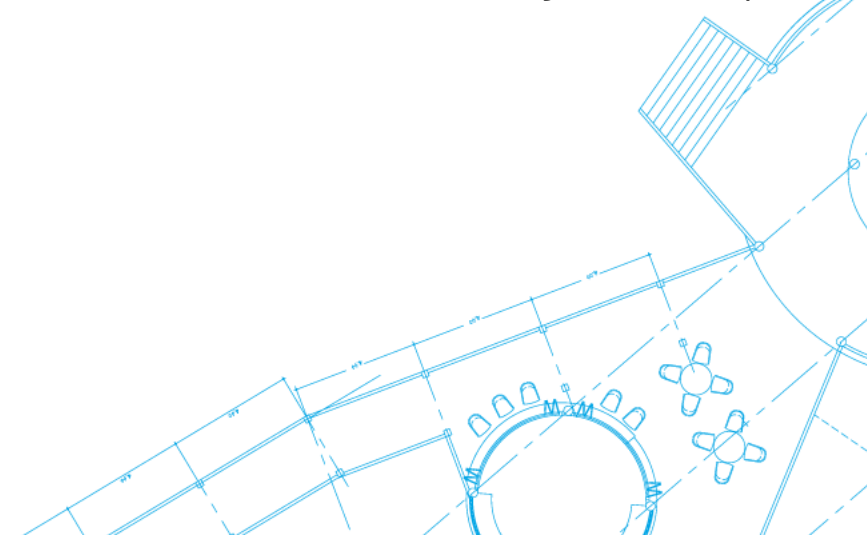
- Description
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### 3. HVAC system

- ✓ HVAC Design Bedrooms, Living, etc. as per architectural Drawing.
- ✓ Exhaust & Ventilation systems for Entire building.

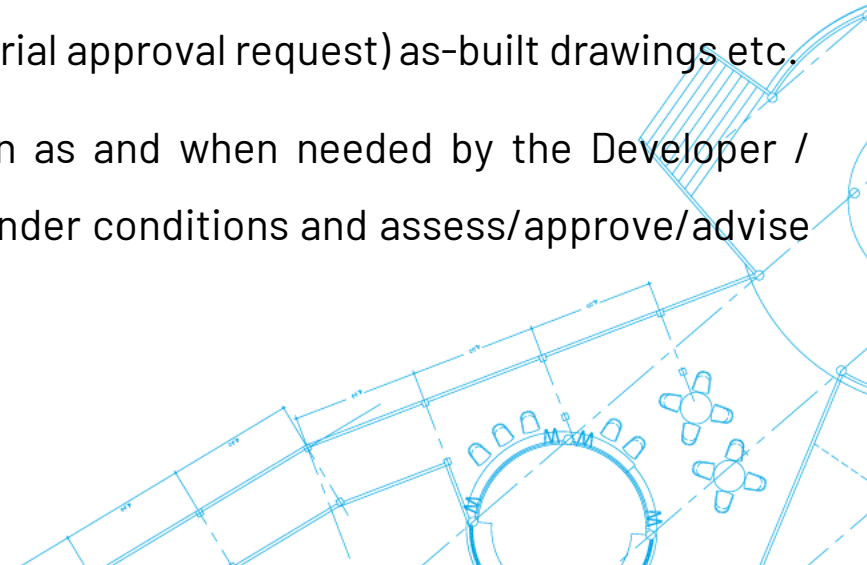
#### ✓ Schematic stage

- ✓ Preparation of Design Brief report (DBR) describing the HVAC Design intents for entire kitchen Spaces before the commencement of detail design / Architectural Drawing / Client intent of Design.
- ✓ Preparation of the Budgetary Cost Estimate
- ✓ Getting approval from the client on the Design brief report ( DBR )



## GFC [ Good For Construction ]stage

1. Taking forward the approved [schematic design](#) to the [GFC Stage](#)
2. Estimation of HVAC load- Heat load calculations, Ventilation calculations & Electrical Power Requirements based on detailed architectural drawings & design requirements & Kitchen exhaust system.
3. Preparation and release of GFC drawings & documents for HVAC works.
4. Participating in all the design review meetings along with Architects with client representatives and advising them on the cost/time effective methods to be adopted.
5. Preparation & release of documents inclusive of technical specifications contract conditions, bill of quantities/ materials (BOQ / BOM), detailed cost estimate, and data sheets.
6. Preparation and release of detailed HVAC GFC drawings with plans and sections.
7. Preparations of coordinated services drawings based on other services like Electrical plumbing and firefighting & HVAC drawings.
8. Review and approval of contractor's shop drawings & Documents like M.A.R (material approval request) as-built drawings etc.
9. HVAC Engineer shall visit the site as required and provide periodic inspection as and when needed by the Developer / Construction team to clarify any decision or interpretation of the drawings or tender conditions and assess/approve/advise on the quality of works being carried out at site as per travel contract.



## 4. Electrical system

1. High-side electrification design.
2. Internal electrification design works.
3. UPS system.
4. Power Distribution.
5. Lightning protection system & Earthing design (optional only in case of base build )
6. Security system [CC TV etc.]
7. Data networking system design.
- 8.

### ✓ Schematic stage:

1. Preparation of design brief report **(DBR)** describing the Electrical design intents before the commencement of detailed design which will include the load details.
2. Preparation of the budgetary cost Estimate.
3. Getting approval from the client on the design brief report.
4. Preparation of Macro level services location @ Master plan level.

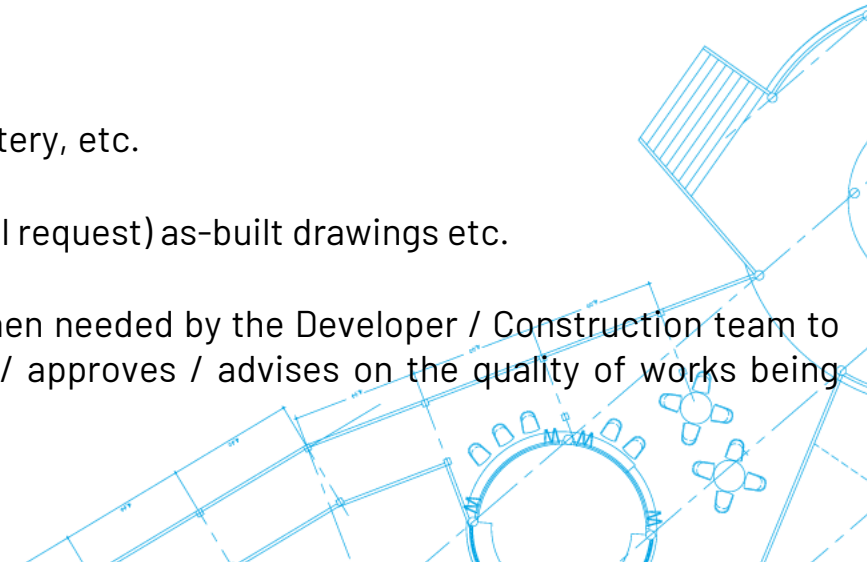
### ✓ Sanction stage:

1. Preparation of Electricity board sanctions drawings **for the electricity board ( EB)**



## GFC [ Good For Construction ] stage

1. Taking forward the approved **schematic design** to the **GFC Stage**.
2. Estimation of load details as per the latest HVAC, PHE, and Firefighting loads & common area loads, etc.
3. Preparation and release of all electrical and LV Shafts/ Sleeve requirements for the structural Department to develop structural drawings and planning requirements associated with electrical services.
4. Preparation and release of electrical Tender drawings for all the floors. DG yard, cable trench if any routing for electrical and communication cables, earthing, external lighting, CCTV etc., Preparation and release of electrical tender drawings
5. Participating in all the design review meetings along with Architects with client representatives and advising them on the cost/time effective methods to be adopted.
6. Preparation & release of Tender documents inclusive of technical contract conditions/ specification, technical specifications, bill of quantities with cost etc.
7. Preparation and release of detailed Electrical GFC drawings with plans and sections.
8. Preparations of coordinated services drawings based on HVAC, plumbing, Fire protection and with electrical drawings etc.
9. Development of all construction drawings from electrical & IT & telephone systems.
10. Development of all conduit drawings, ducts, substations/any room required for the panel/battery, etc.
11. Review and approval of contractor's shop drawings & Documents like M.A.R (material approval request) as-built drawings etc.
12. Electrical Engineer shall visit the site as required and provide periodic inspection as and when needed by the Developer / Construction team to clarify any decision or Interpretations of the drawings or tender conditions and assesses / approves / advises on the quality of works being carried out at site.

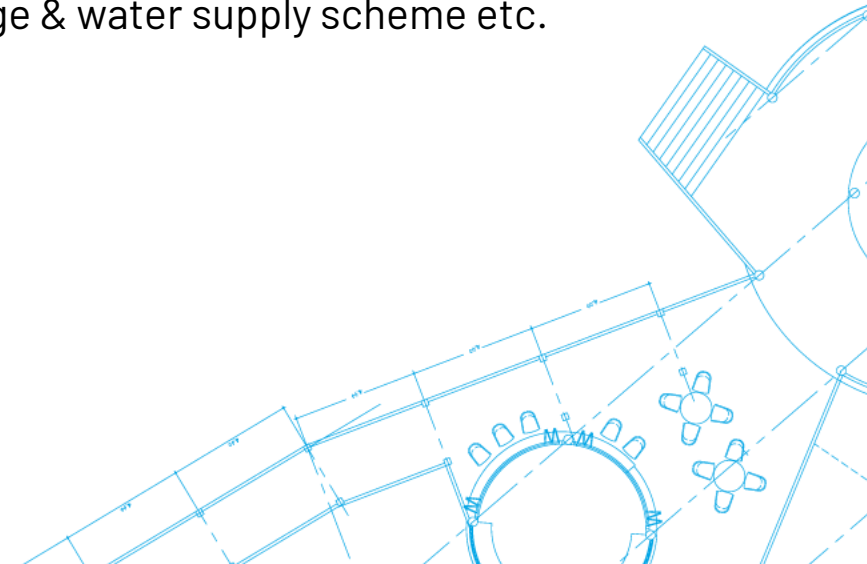


## 5. Plumbing (P.H.E) system

1. Internal / shaft ( if any ) Water Supply.
2. Internal/ shaft & External sewer & storm water drainage system.
3. Terrace rainwater disposal, Water supply & solar panel system.
4. Storm water management.
5. Rainwater harvesting system.
6. Subsoil drainage system (As per ground water table analysis/soil test report suggested by structural consultant if any)
7. Water Treatment Systems of Potable (WTP )
8. Ro system – centralized.
9. centralized Hot water system.
10. Drainage & water supply layout for entire Kitchen in principles of Kitchen vendor requirements.

### ✓ Schematic stage

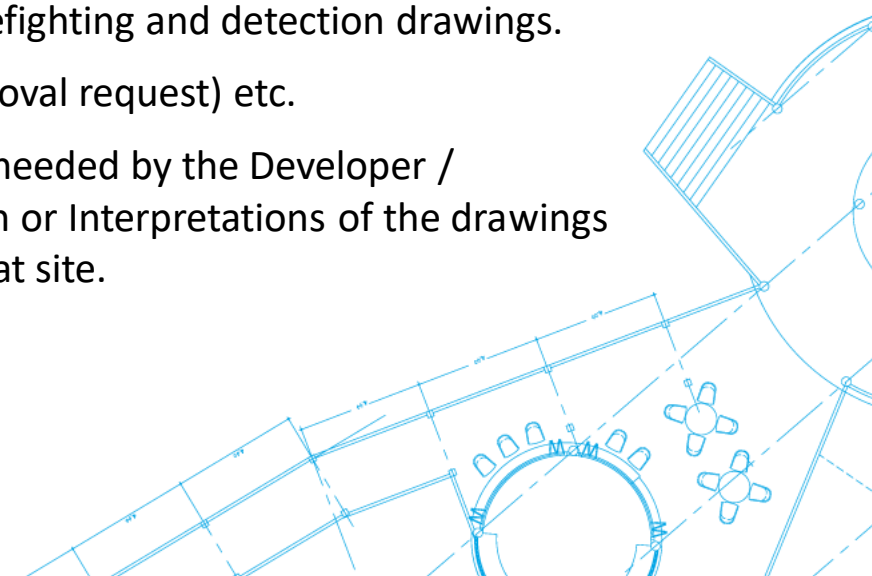
1. Preparation of Design Brief report (DBR) & Questionnaires describing the PHE system Design intents before commencement of detail design.
2. Preparation of the Budgetary Cost Estimate.
3. Getting approval from the client on the Design brief report & questionnaires.
4. Preparation of macro level drawings with services location like with WTP- RO system – Hot water system etc., Drainage & water supply scheme etc.





## Good for construction (GFC) stage

1. Taking forward the approved schematic design to the GFC Stage
2. Preparation of Electrical power requirements for pumps and other electromechanical equipment's.
3. Preparation and release of all Plumbing Shafts/ Sleeve requirements for structural department to develop structural drawings and planning requirements associated with plumbing services.
4. Preparation and release of Plumbing drawings for all the floors. Infra drawings shall include WTP ,Ro system & Centralized Hot water system overhead tank if any, storm water drainage, sewer drainage layout etc.
5. Participating in all relevant design review meetings along with architects, with client representative and advise them on the cost / time effective methods to be adopted virtual meetings / as per site condition.
6. Preparation & release of Tender documents inclusive technical contract conditions, technical specifications, bill of quantities, detailed cost estimate, data sheets.
7. Preparation and release of Detailed PHE GFC drawings with plans and sections
8. Preparations of coordinated services drawings based on HVAC, electrical, plumbing and firefighting and detection drawings.
9. Review and approval of contractor's shop drawings & Documents like M.A.R (material approval request) etc.
10. PHE Engineer shall visit the site as required and provide periodic inspection as and when needed by the Developer / Construction team ( maximum 15 no's site visits with in the Bangalore) to clarify any decision or Interpretations of the drawings or tender conditions and assess / approve / advise on the quality of works being carried out at site.



## 6. Fire protection system [ as per statutory not required optional As per client request ]

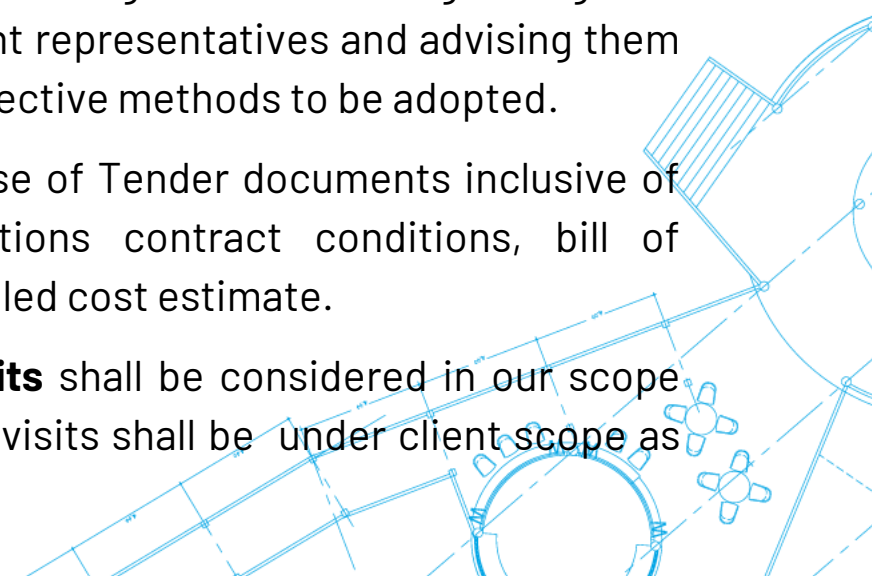
1. Signage
2. Fire Fighting System (Automatic Sprinkler, wet riser, and pump equipment, as required by the Local authority & NBC 2016-part IV, etc.).
3. Fire Detection and manually operated fire alarm system as per client confirmation.
4. Fire evacuation/safety assembly details etc.
5. Preparation and release of Detailed Fire Fighting GFC drawings with plans and sections
6. Preparations of coordinated services drawings based on other services like HVAC, Electrical, and plumbing including Fire protection/detection service.
7. Review and approval of contractor's shop drawings
8. Fire Fighting Engineer shall visit the site as required and provide periodic inspection as and when needed by the Developer / Construction team to clarify any decision or interpretation of the drawings or tender conditions and assess/approve/advise on the quality of works being carried out at site.

## ✓ Schematic stage

1. Preparation of Design Brief report (DBR) describing the Fire Fighting Design intents prior to commencement of detail design.
2. Preparation of the Budgetary Cost Estimate.
3. Getting approval from the client on the Design brief report.

## ✓ GFC [ Good For Construction ] stage

1. Taking forward the approved **schematic design stage** to the **GFC Stage**.
2. Preparation and release of Fire fighting drawings as per architectural requirement. With detailed dimensions.
3. Participating in all the design review meetings along with Architects with client representatives and advising them on the cost/time effective methods to be adopted.
4. Preparation & release of Tender documents inclusive of technical specifications contract conditions, bill of quantities, and detailed cost estimate.
5. Maximum **3 site visits** shall be considered in our scope over and above site visits shall be under client scope as per actual expense.



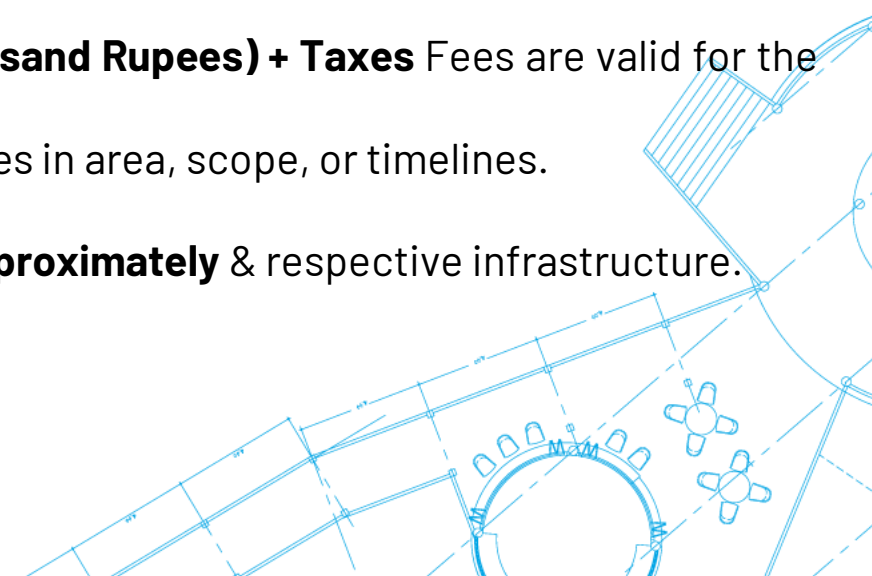
## 7. Exclusions of MEPF design consultancy services.

8. Liaisoning with statutory authority for NOC.
9. Fabrication drawings.
10. Shop floor drawings for utilities, floor area, and Infrastructure.
11. Site Supervision and providing inputs and advising the PMC as regards to bill checking, settlement of extra items and claims of contractors, etc.
12. Green Building Certification. Any other items not specifically mentioned above

## 8. Terms & conditions.

Our fees for above mention services are INR **6, 50,000/- (Six lakhs and Fifty Thousand Rupees) + Taxes** Fees are valid for the area mentioned in the project description. Fees will be revised in case of any changes in area, scope, or timelines.

Note: Approximate Built-up area considered for the fee proposal is **15,000**. Sq.ft **approximately** & respective infrastructure.



1. GST @ 18 % or any other levies or charges as applicable at the time of billing shall be charged extra.
2. Our offer excludes travel, lodging, boarding, local conveyance, and misc. charges of our team SME from the head office /Bengaluru as per actuals
3. All Invoices will be processed for payment within 15 days of submission of the same.
4. The project completion period shall be **12** Months from the date of order along with requisite retainership fees. If the project is delayed beyond **12** months for no fault attributable to conserve, then the fees shall be revised as per mutually agreed rates.
5. This offer is valid for acceptance up to **30 Days** from the date of offer.
6. All reports/ submittals shall be made in soft PDF form only.
7. The above offer is inclusive of hard copies of **3 sets** for GFC drawings only.
8. All stages drawings & documents softcopies shall be in pdf & Auto Cadd - 2010 format.

**9. Fee structure and Stages of Deliverables.**

1	Upon confirmation of appointment with work order.	15%
2	On Submission of Schematic design DBR ( Design brief Report)	15%
3	On Submission of Schematic design Drawing & Documents	35%
4	Upon Submission of Detailed design / GFC Stage Pro-rata basis for MEPF services respectively - [ 7.5 % ]	30%
6	Upon completion of MEPF services MAR [material approval request] approval.	5%

Thank you.