



# APURVA SERVICE CONSULTANTS

## MEP CONSULTANTS

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ASC / KBC / PROP / 2024 – 2025

June 6, 2024

To,

**M/S. KAPCO BANQUETS & CATERING**

1 Rashid Mansion,

Worli Point,

**Mumbai – 400018**

**Kind Attn. – Mr. Sandeep Mutal**

Dear Sir,

### **MEP CONSULTANCY FOR KITCHEN PROJECT @ BLUE SEA – MUMBAI**

In connection with the above, we refer our discussions regarding MEP services for kitchen project at Worli – Mumbai.

Based on the discussions, following will be our scope of work for providing MEP Consultancy for above-mentioned project.

### **H.V.A.C. - SCOPE OF SERVICES**

1. Initial discussions with Client/Architect about details of area to be air-conditioned / ventilated.
2. Identification of area for installation of AC Units, Outdoor Units, Ventilation Fans, Equipment, etc., with respect to interior layout and finalization of locations for the same.
3. Submission of detailed HEAT LOAD / Ventilation CFM for the project with proposed air-conditioning system / Ventilation system giving all details of electrical requirements.
4. Submission of detailed air-conditioning / Ventilation system drawings showing location of AC Units, Outdoor Units, Ventilation Hoods, Exhaust Fans, Scrubbers, etc. with single line ducting & piping layout etc. for the approval of Client / Architect.
5. Revisions / modifications in point 3 & 4 if required.
6. Preparation of bill of quantity required for the projects as per the approved drawings and forwarding the estimates of costs.
7. Preparation of “Good For Construction” drawings (Fabrication drawings will be prepared by Vender) and detailed specifications for the complete air-conditioning / Ventilation system in co – ordination with other services like structure, sanitary, and electrical work etc. and obtaining the approval of the Architect / Client.
8. Preparation of tender drawings and tender document. Releasing the same to the various contractors if required.
9. Providing necessary assistance to the Client in Scrutinizing, checking, & commenting on the tenders, after receipt of the same from the contractors and negotiating with contractors if required.

10. Periodical visits to the site during execution to monitor the progress of the work, quality of work if required.
11. Witness Testing and handing over of the Air-conditioning & Ventilation system after all work is completed.
12. Approving / checking of AS Built drawings prepared and submitted by vender.

## **ELECTRICAL - SCOPE OF SERVICES:**

### **A) DESIGN & DRAWINGS**

#### **1. EXTERNAL ELECTRICAL WORKS:**

##### **ELECTRICAL SUPPLY**

We shall study the site and assess the Power requirement for the project. We shall provide required load capacity of electrical supply, capacity of Transformer and D.G. sets (if required) with associated panels / switch boards.

#### **2. INTERNAL ELECTRICAL WORKS:**

For internal ELECTRICAL of the proposed area, we shall provide following drawings.

- a. We shall prepare Electrical Layouts indicating distribution details for equipment's Raw power, UPS Power, Lighting looping , Air conditioners, Ventilation fans, Air curtains, etc.
- b. Single line diagram of Main Panels, distribution boards indicating distribution details.
- c. Cable routing layout indicating cable sizes, cable tray sizes, etc.

#### **3. FIRE ALARM & PA SYSTEM: (Where Ever Applicable)**

We shall design the system of fire alarm & PA system for the project as per general requirements. We shall prepare the layout showing smoke detectors, fire alarm panel, break glasses, hooters, speakers, amplifiers etc.

#### **4. SECURITY SYSTEM: (Where Ever Applicable)**

We shall design the system of SECURITY for the project as per client's requirement. We shall prepare the CC TV looping layout showing cameras etc. & sizes of cables for same. (we expect client to provide CC TV camera location as per there requirement.

### **B) BILLS OF QUANTITIES:**

We shall submit detailed bills of quantities for all items of work involved in the above and give detailed technical specifications to you for getting the quotation from contractors.

### **C) AS BUILT DRAWING**

Approving / Checking of as built drawings prepared and submitted by Vendor

## **PLUMBING, WATER SUPPLY, DRAINAGE - SCOPE OF SERVICES**

### **A. PUBLIC HEALTH SERVICES**

1. To prepare internal layout for all equipment's showing fixtures, supply lines and drainage lines as per interior details.
2. To prepare water supply distribution networks such as supply pipes from OHWT to require points.
3. To prepare internal layout of drainage for kitchen.
4. To define capacity of hot water demand for kitchen.
5. To define location and capacity of STP & its technical specifications require for quotes. (if required)
6. To provide capacity of water treatment plant & its technical specifications require for quotes. (if required)
7. Preparation of bill of quantity required for the projects as per the approved drawings.
8. Preparation of tender drawings and tender document. Releasing the same to the various Contractors, if required.
9. Providing necessary assistance to the Client in Scrutinizing, checking, & commenting on the tenders, after receipt of the same from the contractors and negotiating with contractors if required.

## **FIRE FIGHTING SERVICES – SCOPE OF WORK**

### **A. FIRE FIGHTING SERVICES**

We consider proposed kitchen shall be in the building having fire fighting system.

1. To design & prepare internal sprinkler system working drawing as per kitchen layout.
2. To design fire suppression system for Kitchen exhaust Hoods.
3. To propose type and quantity of fire extinguishers for kitchen.
4. Preparation of bill of quantity required for the projects along with technical specifications for all the works to be done at site.

5. Preparation of tender drawings and tender document. Releasing the same to the various contractors, if required.
6. Providing necessary assistance to the Client in Scrutinizing, checking, & commenting on the tenders, after receipt of the same from the contractors and negotiating with contractors if required.

**GENERAL:**

We shall visit site or your office for design co-ordination work with the architects or other consultants, etc. We shall visit site during construction to guide the venders and to solve site problems if any.

Any technical back up calculations, drawings etc. required to be submitted to the liasoning authorities will be provided by us.

**EXCLUSIONS:**

Obtaining approvals and liaison with Electrical power Supply companies/Authorities, Fire Brigade Department / Fire Officers, Local Corporation for drainage & water supply is excluded from our scope of services.

Structural design is not our scope. Similarly obtaining municipal/ CFL / Local fire Authorities approvals and liasoning for the same is excluded from our scope of services.

Day to day supervision and preparation of conduit layout & As-built drawings is not in our scope.

**OUR FEES FOR THE PROJECT**

For providing all above services, we will charge our total Fees **RS. 3,25,000/-** for the project on Lump sum basis. (GST @ 18% will be charge extra)

Terms of Payment to be discussed.

We now request you to kindly forward us appointment letter and advance for the project at the earliest.

Thanking you,

Yours truly,  
**FOR APURVA SERVICE CONSULTANTS**

**S. S. SANGLIKAR**