

NATIONAL INSTITUTE OF BANK MANAGEMENT

Invites Application for MEP Consultant

NIBM is the apex Institution for research, training and consultancy in banking and finance located at Kondhwe Khurd, Pune. The Institute provides advanced training in Banking and Finance to Officers/Executives of Banks and conducts Research in Banking and Finance. NIBM also conducts a Two Year Post-Graduate Diploma in Management (Banking and Financial Services) which is recognized by the AICTE.

NIBM Campus: The Institute is having total built up area 26000 sq.mtr. NIBM has five Nos. of executive hostels with total 134 room and 95 residential quarters. All buildings are constructed on permanent specifications. NIBM is having own electric substation, water supply system, sewage treatment plant, bio-gas plant, DG sets and membrane water filtration plant. All lecture halls and computer service centre are air-conditioned and provided with latest audio-visual teaching aids. All hostels for bank executives are also air-conditioned with split ACs. Civil works like plumbing, carpentry, painting etc. and electrical works like normal maintenance, AC repairing etc. are outsourced to external agencies/contractors.

The Institute invites applications for appointing MEP Consultant for reviewing electrical supply system, carrying load survey, testing of underground cables, remodelling of main electrical panel boards as per existing load and future demands, earthing etc. We have presently having 22 KVA incoming supply 500 KVA transformer, main control panel boards and 4 Nos. of 440 volts feeders pillars. All the feeder pillars are connected with 400 sqmm PVC 3½ core armoured cables switch fuse units. Apart from NIBM will be undertaking construction of 2 lakhs sq. feet of New buildings comprising of Lecture Hall Complex, each classroom 70 capacity (Total 5 class rooms) EDP block, hostel building (320 students capacity).

The scope of MEP consultancy is enclosed in a separate sheet. We request you to send us your detailed profile of technical expertise with lists of projects executed in the past so as enable us to judge your capability in carrying out this highly technical job.

SCOPE OF CONSULTANCY FOR MEP

➤ **Plumbing:**

(Based on National Building Code of India, Local Municipal Byelaws & relevant I.S Codes)

- Internal Plumbing fixture layout.
- Sanitary, Soil, Waste & Vent systems.
- Water supply & Distribution systems.
- Hot water distribution.
- Rain water pipe layout.
- Building sewerage.
- Storm water drainage.
- Storage & Pumping facility design.
- Hydropneumatic system.
- Rain water harvesting.
- Sewage treatment & Water treatment Plants.

➤ **Fire fighting:**

(Based on National Building Code of India, Rules laid down by Tariff Advisory Committee & CFO's letter)

- External & Internal fire hydrant system.
- Wet riser cum Downcomer system.
- Fire storage tank.
- Pump room.
- Sprinkler system.
- Spray system.

➤ **Electrical:**

(Based on relevant I.S Codes, I E Rules/Act and MSEB rules)

- Designing ie.... Calculation of load.
- Preparation of point schedule and load estimates.
- Preparation of detailed drawings of Electrical fixture layout.
- Preparation of detailed drawings of conduit layout.
- Preparation of detailed drawings of meter room..
- Preparation of cable schedule.
- Preparation of layout for Earthing.
- Preparation of detailed drawings for lightening protection.
- Preparation of Tender document, Tender comparison/evaluation and appointing a contractor.
- Design of Inverter Backup system.
- Design of Renewable Energy systems.
- Monitoring of work as per schedule of completion and drawings
- Preparation of point schedule and based on Lux level& utility for common area & external lighting and items such as poles , feeder pillars..
- Preparation of specification and drawings for panels, starters.

- D.G set capacity calculation. Preparation of working drawings for D.G set & related scheme.
 - Preparation of BOQ.
 - Site inspection to check the work done.
- **HVAC & OTHER UTILITIES**
(Based on relevant I.S Codes, standard practices)
- Designing ie.... Calculation of Heat load.calculations
 - Preparation of drawing , detailing & estimates.
 - Preparation of BOQ.withVRV or other system
 - Site inspection to check the work done.
 - Preparation of Tender document, Tender comparison/evaluation and appointing a contractor.
 - Monitoring of work as per schedule of completion and drawings.
 - Site inspection to check the work done.

Other Services

Preparation of Design Basis Reports, (DBR)Design Drawings, Specification, BOQ for;all above utilities plus following specific requirements

- Renewable energy source tapping ie wind power , Hot Water Generation – solar
- Sewage treatment plant- for gray water as well as total drainage
- Rain Water harvesting, with different methods for effective harvesting
- Utility services for unit/ scheme, if any
- CCTV, SECURITY SYSTEMS
- RENEWABLE ENERGY SOURCES/SYSTEM ie Photovoltaic cells – Power generation
- Wi-Fi system, CCTV, net conferencing Structured wiring/ DATA Cabling,
- Reuse of water and water saving
- Other mechanical utilities ie automatic gates, lifts etc

➤ **FURTHER SCOPE OF CONSULTANCY & MODUS OF OPERANDY FOR ALL ABOVE**

- Upon finalization of agreement, submit a preliminary concept report (D B R) of all services.
- Based on DBR -concept approval by the Client/Architect preparation of Drawing followed by detailed drawings within the scope.
- Copies of the drawings to be submitted for approval .
- Preliminary estimate to be given based on the approved drawings finalized.
- As per requirement Tender document to be submitted.
- A minimum of 1 site visit per week is made.

- Coordination meeting shall be held with Client/Architect as work progresses.

➤ **OTHER IMPORTANT ASCEPTS For GOOD CONSULTANCY :**

- Practical designs and well detailed drawings enabling ease in execution, and for low running cost and economic investment- initial cost.
- Technically proficient group backed up by competent technical advisors.