

Bhartiya Skill Development University

Mechanical, Electrical and Plumbing (MEP) Engineer

Job Title:

MEP Engineer (Mechanical, Electrical & Plumbing Engineer)

Reporting To:

The MEP Engineer will be directly reporting to the President of the University.

Job Overview:

The MEP Engineer is a professional designation responsible for planning and design in the field of Mechanical, Electrical, and Plumbing practice including developing policies standard, inspection procedure and evaluation tools for concerns, along with prepare, review drawing, specification, and cost estimates for the Mechanical, Electrical and Plumbing.

He/ She is to make a detailed understanding of the Contract documents (drawings and specifications), phasing plans, MEP systems interrelationships, construction sequencing and project schedule.

Roles and Responsibilities:

The following are the major roles and responsibilities of MEP Engineer:

- Electrical Power and Lighting
 - Fire Alarm Expertise
 - Energy Management
 - Plumbing
 - HVAC Expert
1. MEP engineer reviews plans and specifications according to the plan
 2. He/ she manages to oversee the work of subordinate staff, contact architects or Engineers
 3. MEP Engineer prepares plans, details, specified and cost estimation of plumbing, heating, ventilation, air conditioning and general piping system
 4. He/ she provides technical advice to staff designer, supervisor, inspector, and contacting service provider, regarding installation and maintenance of MEP System
 5. MEP System analyzes Mechanical, Electrical, and Plumbing engineering problems and formulate solutions
 6. He/ she identifies problems in design, plan, manage and deliver multiple projects
 7. MEP Engineer prepares and delivers effective oral presentations whenever required
 8. In conjunction with the document controller, ensure that the filing/logging of the MEP documentation is undertaken in line with the project handbook and continually monitor the same

9. Prepare technical clarifications to the tendered design to suit specific on-site construction and coordination issue whenever required
10. Review Contractor's mechanical services material proposals against specified technical performance requirements and advise the Project Director on the appropriateness of the proposals
11. Undertake general project site observation/inspection of the mechanical services works for Contractor's adherence to the approved shop drawings and Consultant's specification, good working practices, and construction schedule
12. Monitor and promote health and safety on the site. Record and report any breaches to the Project Manager. If required stop the construction works if unsafe practices are being followed
13. Be available to undertake off-site inspections of proposed equipment and materials as may be deemed necessary by the Project Manager
14. Maintain an ongoing list of mechanical services defects for the contractor's remedial action
15. Undertake final project snagging and prepare a list of defects for the Contractor's action
16. Attend project, site progress, and any mechanical services-related technical meetings as directed by the project manager
17. Provide advice to the Project Manager in regard to any mechanical services related to variable costs that may be claimed by the Contractor during the course of the work
18. Review and comment on the Contractor's Operation and Maintenance manuals
19. Facilitate problem solving, as may arise, between MEP Subcontractors during construction
20. Validate design issues related to MEP and suggest alternative solutions
21. Assist in the receipt and review of MEP submittals
22. Log and post all MEP changes and as-built information on field drawings
23. Assist in the scope review, budgeting and justification of MEP change work order
24. Direct, monitor and control the activities of MEP Subcontractor
25. Liaison with Consultant MEP supervisory Engineers, Inspectors and relevant staff
26. All other responsibilities assigned by the higher competent authorities

Requirements/ Qualifications:

- Mechanical or Electrical University degree in Engineering
- Working knowledge of plans, prints, specifications and schematics associated with trade
- 5 years of construction experience with working knowledge of mechanical, electrical and plumbing
- Construction procedures and practices
- Computer literate
- Possess excellent communication and organizational skills