



**BHARAT HEAVY ELECTRICALS LTD.**  
**(A Govt. of India Undertaking)**  
**Power Sector: Project Engineering Management**  
**Plot No. 25, Sector: - 16 A, NOIDA-201301 (UP)**  
**Telephone: 0120-4368512/16, Fax: 0120-4329027**

**NEEDS EXPERIENCED ENGINEERING PROFESSIONALS**

BHEL, the country's premier engineering organization and one of the NAVRATNA PSU, catering to core sectors of Indian economy viz Power Generation, Transmission, Industry, Transportation, Telecommunication and renewable Energy, requires engineering professional for its Project Engineering Management Division at Noida (UP). Discipline - wise requirement is given below:

SL. No	Position	Grade	Mechanical	Electrical	Control & Instrumentation	Civil
1.	Sr. Manager	E5	06	03	-	-
2.	Manager	E4	06	02	-	02
3.	Dy. Manager	E3	-	-	01	-
<b>TOTAL</b>			<b>12</b>	<b>05</b>	<b>01</b>	<b>02</b>

**RESERVATION:**

Unreserved	Reserved posts			No. of Posts
	SC	ST	OBC (Non-Creamy Layer)	
06	02	04	08	20

The above vacancies are tentative and subject to revision based on Final assessment.

**QUALIFICATIONS:** Full time Bachelor's Degree in Mechanical/Chemical/ Electrical/ Electronics/ Control and Instrumentation/Power Engineering from a recognized Institute, with minimum 65% marks in aggregate. Post graduate Degree in Power Engineering will be added advantage to the candidates.

**AGE LIMIT & EXPERIENCE (as on 1<sup>st</sup> October 2009):**

SL. No.	Position	Grade	Experience (In Years)	Maximum Age Limit
1.	Sr. Manager	E5	16	43
2.	Manager	E4	12	39
3.	Dy. Manager	E3	9	36

@Maximum Age limit is relaxable by 2 years for candidates with Post Graduate Degree

**ESSENTIAL CONDITIONS FOR EXPERIENCE:**

The required experience should be with reputed organization engaged in engineering of Thermal Power Plants of minimum rating of 100 MW/ Unit. The organization should have completed engineering of a minimum of 2 thermal power plants of 100 MW/Unit or more during the last 5 years. The organization should also be certified under ISO 9001-2000. Experience in organizations doing engineering of other Heavy Industrial Plants such as Petrochemicals and Gas Nuclear & Hydro Power Plants may also be considered.

**SPECIFIC DISCIPLINE-WISE WORK EXPERIENCE LARGELY IN FOLLOWING AREAS:**

<b>MECHANICAL</b>
<ul style="list-style-type: none"><li>• Proposal/Basic/Detailed Engineering for Thermal Power Plants in the areas of Plot Plan &amp; Main Equipment Layout for Power Block, Piping Plans &amp; Isometrics, Stress Analysis and Hanger Engineering. Familiarity with drafting packages like AUTOCAD is essential. Exposure to National/International Piping and Valves Standards is necessary. It is desirable to have exposure to knowledge of latest 3D modeling tools, preferably PDMS and Stress Analysis Package like CAESAR etc.</li><li>• System Engineering of Power Cycle Systems, Water System Engg. including procurement engg. of associated equipments viz Cooling Towers, Pumps etc.</li><li>• Coal Handling Plant, Ash Handling Plant, Limestone Milling &amp; transportation System, HVAC, Fire Protection Systems, Compressors, Cranes, Elevators, Water Treatment Plants, Waste/Sewage Treatment Plants.</li></ul>
<b>ELECTRICAL</b>
<p>Proposal/basic/detailed/procurement engineering and site support activities for thermal power plants in the functional areas of electrical equipment selection and sizing, generator and transformer protection, AC auxiliary system protection, electrical controls, and layout, cabling and grounding etc. The design activities include preparation of design documentation/ calculations, schematic layout drawings, cable schedules and interconnections, and relay setting calculations. Procurement engineering activities include preparation of technical specifications, technical review of offers, and vendor document review.</p> <p>The equipment and systems include</p> <ul style="list-style-type: none"><li>• Power and Distribution Transformers</li><li>• 11kV, 6.6kV, 3.3kV and 415V Switchgear</li><li>• Isolated/Segregated/Non-Segregated phase busducts</li><li>• Generator Circuit Breaker</li><li>• DC Batteries and Chargers</li><li>• Cables and Cabling</li><li>• Grounding and Lightning Protection</li><li>• Lighting System</li><li>• Standby Supply System [DG]</li><li>• Communication System</li><li>• Cathodic Protection System</li></ul> <p>Persons having similar experience as above for large process industries such as refineries, petro-chemical complexes, etc. may be considered if found suitable. Experience of working on PDMS/ PDS, AUTOCAD and ETAP is desirable and shall be added advantage to the candidates.</p>

<b>CONTROL &amp; INSTRUMENTATION</b>
<ul style="list-style-type: none"> <li>• Instrumentation: Preparation of specification datasheets, Quality requirements and knowledge of relevant standards.</li> <li>• P&amp;ID engineering</li> <li>• Control and measurement schemes, drive lists, signal lists etc.</li> <li>• Technical Evaluation of Control Valves and Flow Devices</li> <li>• DCS, PLC configurations and their applications.</li> </ul>
<b>CIVIL</b>
<ul style="list-style-type: none"> <li>• RCC Designs of super structures, open foundations, pile caps.</li> <li>• Structural steel design of Power House Bldg/Mill Bunker Bay.</li> <li>• Design of tall Chimneys of heights 220 m and above.</li> </ul>

**RELAXATION:**

Age limit is relaxable by 3 years for OBC (Non Creamy Layer) and 5 years for SC/ST candidates and 10 years for Physically Challenged candidates (Locomotor or Hearing Impairment disability). Relaxation in upper age- limit for Ex-Servicemen is 3 years and 5 years for the candidates who had ordinarily been domiciled in the state of Jammu & Kashmir during the period from 01.01.1980 to 31.12.1989

**Disabilities** under Persons with Disability Act are defined as **Locomotor Disability (Orthopaedically Handicapped)**- means at least 40% disability of the bones, joints or muscles leading to substantial restriction of the movement of the limbs.

**Hearing Impairment** means loss of sixty decibels or more in the better ear in the conversational range of frequencies.

**PAY SCALE AND SALARY GRADES:**

<b>SL. No.</b>	<b>POSITION</b>	<b>GRADE</b>	<b>PAY SCALE (IDA-PATTERN)</b>
1.	Sr. Manager	E5	18500-740-23900*
2.	Manager	E4	17500 -700-22300*
3.	Dy. Manager	E3	16000-640-20800*

\*The pay scales are due for revision retrospectively w.e.f 01.01.2007

In addition to pay and Industrial DA, incumbents will be eligible for other benefits such as HRA or company assisted accommodation, PF, Gratuity, Leave Travel Concession / Leave encashment, Group Insurance, Medical facilities, / Conveyance reimbursement/ Plant Performance Payment etc.

### **PROCESSING FEE:**

A crossed demand draft for Rs.250/- for General and **OBC** candidates in favour of "**Bharat Heavy Electricals Ltd.**, Payable at Delhi should accompany the application. (Write Name, Serial No., Position, Grade & Discipline applied for on the reverse of demand draft).No processing Fee is applicable for SC/ ST & Physically Challenged candidates

### **MODE OF SELECTION:**

The mode of selection of candidates shall be personal interview. However, if the number of eligible applications received for a particular position in excess of 1:10 to the no. of vacancies, Written Test shall be conducted only for the purposes of short listing candidates in the ratio of 1:3 for being called for interview, on the basis of their Written Test marks. In the event of receiving good response of applications the maximum no. of candidates to be called for written test will be in the ratio of 1:20 to the no. of vacancies.

### **GENERAL INSTRUCTIONS:**

(1) Candidates called for interview will be reimbursed for self, to and fro AC 2-tier rail fare by mail / express train from their starting station or mailing address, whichever is near to the place of Interview on production of rail ticket. (2) Candidates presently employed with Govt. Depts, PSUs and Autonomous Bodies must apply through proper channel or produce a "**No Objection Certificate**" at the time of interview. (3) Candidates should be in sound health. On selection, their appointment will be subject to meeting the medical standards as per company policy. (4) Management reserves the right to restrict the number of candidates to be called for interview. (5) Incomplete applications or those in format other than the one prescribed in this advertisement will not be entertained. (6) Higher start for deserving candidates may be considered.

### **HOW TO APPLY:**

Applications strictly in the prescribed format (can be downloaded from [www.bhel.com](http://www.bhel.com) or [www.bhelpem.com](http://www.bhelpem.com)) duly filled in and completed in all respect along with the self attested recent passport size Photograph pasted on the application and photo copies of all educational qualifications, date of birth, mark sheets, experience, caste /community certificate, attested by gazetted officer should be sent through speed post / courier to **Sr. Manager (HR), BHEL / Power Sector, Project Engineering Management, Human Resources Department, PPEI Building, Plot No.25 Sector: - 16 A, NOIDA-201301 (UP)**, so as to reach latest by **16.11.2009**. The envelope should superscribe, Serial No, Position, Grade & Discipline applied for.