



NTPC Consultancy Wing

(Consultancy Wing of NTPC Ltd., Govt. of India Undertaking)



NTPC is India's largest power company incorporated in 1975 as a Govt. of India undertaking to accelerate power development in India. Since then, it has established itself as the dominant power major with presence in the entire value chain of the power generation business. From fossil fuel-based power generation, it has gone on to generating electricity via hydro, nuclear and renewable energy sources. To strengthen its core business, the corporation has diversified into the fields of consultancy, power trading, training of power professionals, rural electrification, ash utilisation and coal mining as well. Present installed capacity of NTPC Group is 76475.68 MW, comprising of 51 NTPC owned stations (27 coal based, 7 gas based, 1 hydro, 1 small hydro, and 15 solar PV) and 42 Joint Venture/Subsidiary stations (9 coal based, 4 gas based, 8 hydro, 1 small hydro, 16 solar PV and 4 wind).

The consultancy wing of NTPC which was established in 1989 undertakes consultancy assignments and Project Management Consultancy Contracts (PMC) for Domestic and International clients in different phases of the power plants. NTPC has emerged as a leader in engineering, construction, O&M, RLA/R&M and management of power projects and hence the company is preferred choice for consultancy assignments.

This EOI has been published for empanelment of executives retired from PSUs/Autonomous Organization of Central/State Govt., Officers of Class-C and above of Central & State Government (Non-clerical) and members of National level professional institutions for creating a pool of experts in thermal power sector who is willing to associate with NTPC Consultancy.

NTPC Consultancy Assignment Portfolio:

NTPC Consultancy undertakes assignment in the areas mentioned below:

- i. **Project Management and Implementation:** Comprehensive project management services from planning to commissioning, ensuring timely and efficient execution of power projects.
- ii. **Operation & Maintenance (O&M):** Expertise in O&M services for thermal, hydro, and renewable power plants to enhance reliability, efficiency, and lifespan.
- iii. **Engineering and Design:** Advanced engineering solutions, including design and layout optimization for power projects, tailored to meet client-specific needs.
- iv. **Feasibility Studies and Due Diligence:** Conducting detailed feasibility studies, risk assessments, and due diligence for new projects, acquisitions, or expansions.
- v. **Renovation and Modernization:** Renovation and modernization of existing power plants to improve performance, efficiency, and environmental compliance.
- vi. **Capacity Building and Training:** Specialized training programs and capacity-building services for client personnel in areas such as plant operations, maintenance, and safety.
- vii. **Renewable Energy Solutions:** Consultancy services for renewable energy projects, including solar, wind, and biomass, from design to commissioning.
- viii. **Performance Improvement:** Diagnostics and performance optimization services to improve plant efficiency, reliability, and output.

Eligibility Criteria:

- i. Applicant should be retired in executive cadre from PSUs/Autonomous Organization of Central/State Govt., Officers of Class-C and above of Central & State Government (Non-clerical) and members of National level professional institutions
- ii. **Grade:** E6 or above equivalent grade of NTPC

- iii. **Age:** The applicant should be below 65 years of age.
iv. **Experience:** Area-wise experience required is detailed in table below:

| A. Operation and Maintenance (O&M) | | |
|------------------------------------|------------------------------|---|
| S.No. | Area | Experience |
| 1 | Boiler Pressure Parts | <ul style="list-style-type: none"> Minimum 10 years' experience in Boiler Pressure Parts Maintenance/Erection in thermal power plant of capacity 200 MW or above. |
| 2 | Efficiency | <ul style="list-style-type: none"> Minimum 10 years' experience in Thermal Power Plant-Efficiency domain. Conducting PG Test/Performance Test of Boiler/Turbine/Cooling Tower/ESP/FGD along with calculations. |
| 3 | Chemistry | <ul style="list-style-type: none"> Minimum 20 years' experience in Boiler Water/Cooling Water chemistry in a thermal power plant. |
| B. Engineering | | |
| S.No. | Area | Experience |
| 1 | RE-Solar | <ul style="list-style-type: none"> Minimum 5 Years experience in Erection & Commissioning of Ground Mounted Solar Plant (More than 20 MW) or Floating Solar Plant (10 MW) Or Minimum 3 Years experience in Design, Engineering & Review of documents of Ground Mounted Solar Plant (More than 20 MW) or Floating Solar Plant (10 MW) |
| 2 | EHT Switchyard | <ul style="list-style-type: none"> Minimum 10 Years experience in Erection & Commissioning/ Operation and maintenance of 132KV and above Substation Or Minimum 5 Years experience in Design, Engineering & Review of documents of 132KV and above Substation |
| 3 | Transmission system | <ul style="list-style-type: none"> Minimum 10 Years experience in Erection & Commissioning of 132KV and above Transmission System Or Minimum 5 Years experience in Design, Engineering & Review of 132KV and above Transmission System |
| 4 | Power transformers | <ul style="list-style-type: none"> Minimum 10 Years experience in Erection & Commissioning of 132KV and above Power Transformers Or Minimum 5 Years experience in Design, Engineering & Review of 132KV and above Power Transformers |

| | | |
|------------------------------|---|--|
| 5 | Power System Protection | <ul style="list-style-type: none"> Minimum 10 Years experience in Design, Engineering & Review/O&M of 6.6 KV above Switchgear Protection <p style="text-align: center;">Or</p> <ul style="list-style-type: none"> Minimum 10 Years experience in Design, Engineering & Review/O&M of 210MW and above Generator Protection <p style="text-align: center;">Or</p> <ul style="list-style-type: none"> Minimum 10 Years experience in Design, Engineering & Review/O&M of 132KV Substation Protection |
| 6 | Power System Studies | <ul style="list-style-type: none"> Minimum 10 Years experience in Design, Engineering & Review of the Load flow, short-circuit study, Motor Starting, Relay Coordination, Reactive Power Compensation, Grid Connectivity Compliance studies (LVRT, HVRT, Frequency Response etc) in ETAP/ PSSE/ PSCAD/ Digsilent Power factory. |
| 7 | Control and instrumentation | <ul style="list-style-type: none"> Minimum 10 Years experience in Design, Engineering & Review of C&I documents for 500MW and above Thermal Power Plant |
| 8 | Cost Engineering | <ul style="list-style-type: none"> Minimum 10 Years experience in Cost Estimation, Financial Modelling, Tariff Computation for Thermal Power Plant |
| 9 | Civil Construction | <ul style="list-style-type: none"> Minimum 10 Years experience in Execution of Civil Construction Works of 500MW or above Thermal Power Plant <p style="text-align: center;">Or</p> <ul style="list-style-type: none"> Minimum 8 Years experience in Design, Engineering & Review of Civil Documents of 500MW or above Thermal Power Plant |
| C. Project Management | | |
| S.No. | Area | Experience |
| 1 | Project Monitoring- Thermal (Coal) | <ul style="list-style-type: none"> Minimum 15 years of experience in Project Management/P&S/Technical Services in the minimum capacity of 500 MW coal-based units out of which minimum 5 years' site experience in Project Construction/Erection. |
| 2 | Project Monitoring- Solar | <ul style="list-style-type: none"> Minimum 7 years of experience in Project Management in Solar Projects out of which minimum 3 years' site experience in Erection/Commissioning. |

Empanelment Process:

The applications, received against the notification, will be scrutinized by a committee for meeting the minimum qualifying requirements and accordingly empanelment shall be done. Post empanelment, engagement shall be done based on the actual requirement in various consultancy assignments.

How to Apply:

All interested applicants are required to fill the Microsoft form in prescribed format. Link for registration is available on <https://consultancy.ntpc.co.in> under important links and <https://careers.ntpc.co.in>

General Instructions:

1. Applications that are not in conformity with requirements indicated in the advertisement/incomplete applications will not be entertained.
2. Merely applying shall not mean automatic empanelment.
3. The candidature of applicants at all stages of empanelment process will be provisional and is subject to satisfying the prescribed eligibility conditions.
4. Empanelment with NTPC Consultancy does not constitute a commitment or guarantee by NTPC for engagement in any consultancy assignments.
5. Following empanelment with NTPC Consultancy, any engagement for work/assignment will be undertaken separately, based on the actual requirement.
6. NTPC Consultancy will mandatorily obtain Vigilance clearance for all eligible applicants from their superannuating organization as part of the empanelment process.
7. The remuneration for engagement shall be governed as per NTPC HR Policy applicable to retired executives.
8. NTPC Ltd. reserves the right to modify, cancel, or amend this EOI without prior notice.

Important Dates:

| Milestones | Scheduled Dates |
|--|------------------------|
| Opening Date of Application | 13.12.2024 |
| Last date of submission of Application | 13.01.2025 |
| * Last date of submission of Application extended up to | 28.01.2025 |