

SALIENT TECHNICAL FEATURES AND BREIF SCOPE OF WORK

Site Enabling Works Package for Great Nicobar Island Gas Engine Power Project (108 MW $\pm$ 5 MW): Bidding Document No. CS-6401-301A-9

“Salient Technical Features of the equipment/systems/services covered in the Bidding Document No. CS-6401-301A-9 are mentioned below. These Salient Technical Features are mentioned only to facilitate the prospective bidders to prima-facie understand the requirements under the tender and shall not in any way limit or alter the scope of work and technical features/specification of equipment/ systems/ services covered in the Bidding Documents. Detailed provisions in regard of scope of work and technical features/ specification of equipment/ systems/ services, contained in the Bidding Documents shall be final and binding.”

1. General

NTPC is planning to establish an Gas Engine Power Plant in multiple phases near Galathea Bay, Great Nicobar Island. Phase-I of the project shall have an installed capacity of **108 MW $\pm$ 5 MW**.

The present package covers **Site Enabling Works** required for development of the project areas and associated civil infrastructure.

The salient technical features are intended only to provide prospective bidders with a prima facie understanding of the requirements. They shall not limit or modify the scope of work, technical features, specifications, equipment, systems or services covered under the Bidding Documents. In case of any discrepancy, the detailed provisions of the Bidding Documents shall prevail and shall be final and binding.

Bidders are advised to visit the project site and assess the local site conditions for preparation of a comprehensive and fully compliant bid.

2. Project Location

The proposed LNG Gas Engine Power Project is located at **Great Nicobar Island**, near **Galathea Bay/Galathea River**.

- Approximate coordinates: **6°49' N, 93°51' E**
- The site is approximately **45 km from Campbell Bay**.
- Campbell Bay is connected to Port Blair through ship and helicopter services.
- The site can be approached through sea from Port Blair, approximately **520 km** away.
- Road connectivity to the site is available from Campbell Bay.
- Transportation to and from the project area is subject to the local island infrastructure and available government-operated ferry and limited air services.

3. Land and Site Conditions

Approximately **96 acres (0.39 sq. km)** of land has been identified for power infrastructure, within which Phase-I of the 108 MW project shall be located.

The site is characterized by:

- Existing vegetation and tree cover.
- Undulating terrain.
- Ground level variation from approximately **RL (+) 4.0 m to RL (+) 65.0 m**.
- Site development requirements involving cutting, filling, grading and slope stabilization.

The tentative **General Layout Plan (GLP)** attached with the Technical Specifications shall be referred to for further details.

Brief Scope of Work

1. **Tree Cutting & Site Clearing** – Tree enumeration, cutting, vegetation clearance, handling, transportation and stacking of felled timber/logs.
2. **Site Levelling & Grading** – Excavation, cutting, filling, grading and compaction to achieve the required formation/finished ground levels.
3. **Boundary Wall & Security** – Construction of **3.6 m high precast RCC panel boundary wall**, including RCC columns, beams, foundations, gates and concertina coil fencing wherever specified.
4. **Associated Civil Works** – All incidental and miscellaneous civil works necessary for completion of the site enabling works including Construction of RCC surface drainage system within the designated project areas.