GREAT NICOBAR ISLAND GAS ENGINE POWER PROJECT (108 MW ±5 MW)

Salient Technical Features of the "Initial Infrastructure Works for Power Plant at GNI"

The "Initial Infrastructure Works for Power Plant at Great Nicobar Island (GNI)" project involves several key activities as part of setting up the power plant with a capacity of 108 MW ±5 MW. Here's a summary of the salient technical features based on the provided details.

These Salient Technical Features are provided solely to facilitate prospective bidders in obtaining a prima facie understanding of the requirements of the tender. They shall neither limit nor modify the scope of work nor the technical features/specifications of the equipment, systems, and services covered under the Bidding Documents. The detailed provisions regarding the scope of work and the technical features/specifications contained in the Bidding Documents shall prevail and be final and binding.

Key Technical Features:

1. **Tree Cutting & Site Clearance**
    a. Tree enumeration, cutting, handling, and transportation of wooden logs to designated places
    b. Stacking of logs as directed
2. **Site Levelling**
    a. Excavation, cutting, filling, grading, and compaction to achieve the desired ground levels for construction
3. **Boundary Wall Construction**
    a. RCC columns and beams with precast RCC wall panels
    b. Foundations and gates included
    c. Concertina coil fencing and all related civil works
4. **Provision of Temporary Structures (Porta Cabins)**
    a. Supply and installation of porta cabins for temporary offices, security, toilets, etc.
    b. All associated civil and electrical works for installations
5. **Temporary Power Supply (DG Sets)**
    a. Supply and installation of Diesel Generator sets to power the temporary cabins.
    b. All associated civil and electrical works for installations

6. **Rooftop Solar PV System**
    a. Supply and installation of solar photovoltaic panels on rooftops as part of sustainable energy integration.
7. **Construction of Peripheral Storm-water Drains**
    a. Creating drainage around the site to manage stormwater effectively
8. **Other Associated and Incidental Works**
    a. Includes any additional works necessary to complete the above-mentioned facilities