

(INVITATION FOR EXPRESSION OF INTEREST)

NTPC Limited

(A Government of India Enterprise)



INVITATION FOR

EXPRESSION OF INTEREST (EOI)

For

Consultancy Assignment for preparation of

Detailed Project Report (DPR)

for installation of Power Infrastructure

at

Great Nicobar Island (GNI) - India

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DETAILED NOTICE INVITING EXPRESSION OF INTEREST (EOI)

EOI No.: NTPC/PE-TG/EOI/001/2024-25

Date: 04-10-2024

NTPC is Inviting an Expression of Interest for Consultancy Assignment for preparation of Detailed Project Report (DPR) for the Establishment of Power Project at Great Nicobar Island (GNI) – India.

1. NTPC Limited (A Government of India Enterprise) intends to set-up power infrastructure in multiple phases with LNG based Gas Engine, PV Solar and Transmission System at Great Nicobar Island as per the mandate from MoP under the plan for Holistic Development of Great Nicobar Island. In this regard, NTPC Limited invites Expression of Interest (EOI) from interested Indian entities (**Hereinafter called APPLICANT**) for the preparation of DPR including conduction of various site-specific studies for the proposed installation of Power infrastructure.

2 DOWNLOAD AND TIMELINES FOR SUBMISSION OF EOI

- a. Interested APPLICANTS may download the documents of EOI free of cost from
www.ntpctender.com & <https://eprocurementpc.nic.in>

b. Last date for submission of EOI : 31.10.2024

3. NTPC encourages submission of EOI in soft copy. For consideration of EOI, APPLICANTS are required to e-mail softcopy of EOI, completed in all respect, through e-mail mentioned hereunder. If APPLICANTS also wish to submit hard copy of the EOI, the same can be submitted either in person or by registered/ speed post till the last date of submission of EOI to the following address:

To: vishalchandgupta@ntpc.co.in
CC: akhilagarwal@ntpc.co.in

Vishal Chandra Gupta
Project Engineering (Mechanical),
4th Floor, NTPC Limited, Intelligent Office Building,
Kavadiguda Main Road, Hyderabad
Pin - 500080

4. NTPC reserves the right to reject or accept any or all applications, cancel/withdraw the EOI process without assigning any reason whatsoever and in such case, APPLICANT shall not have any claim arising out of such action. NTPC bears no responsibility or liability of any kind in reference to the EOI.

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Detailed EOI

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1. INTRODUCTION

- I. NTPC Limited produces around 422 billion units of electricity annually through its cluster of Coal, Gas, Hydro and Renewable Energy based power stations of more than 76 GW capacity spanning across the country.
- II. NTPC has always been pioneer driving India's economic growth and development and walks hand in hand in progress of nation. NTPC has been entrusted as an implementing agency for setting up Power infrastructure for Greater Nicobar Island.

2. INTENT OF THE EXPRESSION OF INTEREST (EOI)

The intent of this EOI is to identify agency(ies) interested in taking up the responsibility of preparation of Detailed Project Report for establishment of Power project consisting of i. LNG based Gas Engine, ii. Land based & Floating PV Solar and iii. Transmission of power from power plant(s) to Sub-stations. Additionally, APPLICANT will be required to either conduct the below mentioned studies needed for said power infrastructure on its own or through single agency/multiple agencies (all studies to be completed and last date for Studies reports submission shall be 31.01.2025).

Indicative chapter plan for the DPR has been attached as **Annexure-3**.

Site Specific Studies (In Great Nicobar Island):

Sl. No.	Description of study	Details
1.	Area Drainage Study	Tentative location coordinates of the Area (approximate):
2.	Topographic study	Longitude: 93° 50' E Latitude: 6° 49' N (100 Acres approx. for LNG Power Plant area) Additional area approximately 400 acres (for Ground mounted and floating solar power plant area)
3.	Geological Mapping	For the area identified in Great Nicobar Island 100 Acres approx. of LNG Power Plant
4.	Geotech study in the area identified for power infrastructure in	Approx number of boreholes for Geotech - 50 Approximate depth of boreholes for Geotech – 10 to

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	Great Nicobar Island	15 meters.
5.	Seismic study through IIT, Roorkee, Uttarakhand	For the areas identified for Power Infrastructure
6.	Wind flow study	For the areas identified for Power Infrastructure
7.	Route identification and survey of transmission cable corridor (LNG Engine power plant + PV Solar + Intermediate sub-stations)	Approx 100 kms at Great Nicobar Island

3. **CRITERIA FOR PARTICIPATION:**

- I. The Applicant of the EOI should be any entity who has earlier successfully executed the job of preparation of DPR for Coal/Gas based power project(s) based on which the project(s) has/have been under execution/implementation or have been completed and are under successful operation.
Additionally, past experience of PV Solar power plant of the Applicant will be desirable.
- II. Work order of past executed/ under execution project(s) (preferably for Central Government, State Government or for Public Sector Undertaking) shall be submitted along with EOI.
- III. Among the agency for site specific studies, for Geotech study, the entity must have prior experience of rock drilling with hydraulic rig using double tube barrel.

4. **The Applicants should note that:**

- a. For expression of interest, Application Form and Annexures given shall be duly filled and sent to NTPC by the APPLICANT in soft copy.
- b. Applicants should go through EOI document thoroughly before filling and submitting the application form and annexures.
- c. Applicants shall mention the name and contact details of two persons, with complete address, phone number and e-mail ID.
- d. NTPC Ltd. may, at its sole discretion, ask for additional information/ documents and/ or seek clarifications from the Applicant(s) after the Deadline for submission of response, inter alia, for the purpose of removal of inconsistencies or infirmities in their responses.

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e. This EOI is non-committal.

5. **Enquiries and clarifications**

Any clarifications on the EOI may be sought to the following via email latest within 10 days of publishing of this EOI:

To: vishalchandgupta@ntpc.co.in

CC: akhilagarwal@ntpc.co.in

6. **Corrigendum**

At any time before the last date of submission of EOIs, NTPC may, for any reason, whether at its own initiative or in response to a clarification requested by an Applicant, modify the EOI document. The amendment will be posted on the website and will be binding on the Applicants and the Applicants to give due consideration to the same, while they submit their EOIs, and would invariably enclose documents/information, as required, on account of the amendment, as a part of the EOI.

NTPC may, at its discretion, extend the deadline for the submission of EOIs.

7. **Submission of the response to Eoi**

All the pages of the response should be duly signed by the authorized signatory.

The responses to the EOI should be submitted within the Deadline at the address provided in this EOI or to the following emails:

i. vishalchandgupta@ntpc.co.in

ii. akhilagarwal@ntpc.co.in

8. **Costs and expenses towards response to EOI**

The Applicants shall bear all the costs associated with the preparation of the response and participation in discussions and finalization & execution of the documents related with this EOI, regardless of the conduct or outcome of this assessment exercise.

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Annexure-1

FORMAT FOR COVERING LETTER CUM UNDERTAKING

(The covering letter should be on the Letter Head of the Applicant)

Date: _____

Place: _____

To,
.....

Sub.: (INVITATION FOR EXPRESSION OF INTEREST)

Ref.: Eol No. _____, dated _____(the "Eol")

Dear Sir,

We, the undersigned [insert name of the "Applicant"] having read, examined and understood in detail the **(INVITATION FOR EXPRESSION OF INTEREST)**. We confirm that neither we nor any of our Parent Company/ Affiliate/ Ultimate Parent Company has submitted response other than this response directly or indirectly in response to the aforesaid EOI.

1. We give our unconditional acceptance to the EOI, issued by NTPC, as amended. In token of our acceptance to the EOI, the same have been signed & stamped by us and enclosed to the response.
2. We have submitted our response strictly as per provisions and formats of the EOI, without any deviations, conditions and without mentioning any assumptions or notes.
3. We hereby unconditionally and irrevocably agree and accept that the decision made by NTPC in respect of any matter regarding or arising out of the EOI shall be binding on us. We hereby expressly waive any and all claims in respect of EOI process. We confirm that there are no litigations or disputes against us, which materially affect our ability to participate or function under the obligations with regard to EOI.

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4. Details of the contact person are furnished as below:
Name:
Designation:
Address:
Contact numbers:
email id:
5. We are enclosing herewith the entire response containing duly signed formats in electronic format sent via email to: ----- as per the EOI for consideration.
6. It is confirmed that our response is consistent with all the requirements of submission as stated in the EOI and subsequent communications from NTPC, if any.
7. The information submitted in our response is complete, strictly as per the requirements stipulated in the EOI and is correct to the best of our knowledge and understanding. We would be solely responsible for any errors or omissions in our response.

We remain,

Yours sincerely

(Name, Designation and Signature of Authorized Person in whose name Power of Attorney is issued)

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Annexure-2

INFORMATION TO BE SUBMITTED BY THE APPLICANT

(Note: Documents in support of meeting the respective requirement shall be submitted by the Applicant.)

1. Name of the Entity:
2. Legal status of the Entity:
3. Brief description of the Entity including details of its business groups/subsidiaries/affiliates:
4. Date of Incorporation (if any):
5. Date of Commencement of Business (if any):
6. Full address including Telephone nos. / Fax nos.:
 - a. Registered Office:
 - b. Head Office:
 - c. Address for communication:
 - d. Contact Details:
7. Details of the DPR for Power Plant prepared in past {attach work order(s) and client certificate(s)}:
8. Proposed parties for conducting study(ies) (Party name and Study area to be listed and past experience references to be attached):
- 9.

Willing to undertake the responsibility of DPR preparation and : **Confirmed**
conduction/coordination of Site-specific studies in Greater Nicobar Area

10. Documents to be enclosed:

A. Technical Credentials –

- i. Work order (Priced/Un-priced) of preparation of DPR mentioning scope of DPR for Coal/Gas based power project(s) carried out in past.
- ii. Supporting document to establish the DPR completion for reference project(s)
- iii. Proposed Parties Details for Site studies: Experience details/Reference Lists, Quality accreditations, Logistics infrastructure etc.

B. Financial Credentials –

Copies of Audited Financial statements (Annual Reports) preferably for past 3 years.

11. Any other documents considered relevant.

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ANNEXURES - 3
CHAPTER PLAN

Chapter No.	Title
1.	Executive Summary
2.	Abbreviations
3.	List of figures
4.	List of tables
5.	Introduction
6.	Brief of Feasibility study
7.	Demand & Supply Scenario
8.	DPR Studies a. Site selection b. Location & approach c. Land requirement & availability d. Water requirement & source e. Fuel availability & source f. Construction water g. Construction power h. Statutory clearances
9.	Layout Systems
10.	Civil System
11.	Mechanical Systems
12.	Electrical Systems including power evacuation & transmission
13.	C&I System
14.	PV Solar Plant a. Rooftop b. Floating c. Ground mounted
15.	Environmental Aspect – a. Water/Noise/ Air Pollution control mechanism b. Solid waste management c. Plantation d. Environmental, Forest, CRZ clearances and amendments required
16.	Technical Data & Bill of Quantities a. Phase – I LNG based Engine Power Plant b. Phase – II LNG based Engine Power Plant c. Phase - I PV Solar Power Plant (20MW) d. Phase - II PV Solar Power Plant (30MW) e. Phase - III PV Solar Power Plant (50 MW)

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17.	Cost Estimate, Financial Analysis, Appraisal and Tariff a. Phase – I LNG based Engine Power Plant b. Phase – II LNG based Engine Power Plant c. Phase - I PV Solar Power Plant (20MW) d. Phase - II PV Solar Power Plant (30MW) e. Phase - III PV Solar Power Plant (50 MW)
18.	Project Implementation, Schedule and Packaging philosophy a. Phase – I LNG based Engine Power Plant b. Phase – II LNG based Engine Power Plant c. Phase -I PV Solar Power Plant (20MW) d. Phase - II PV Solar Power Plant (30MW) e. Phase - III PV Solar Power Plant (50 MW)
19.	O&M Philosophy & Manpower requirement a. LNG based Engine Power Plant b. PV Solar Power Plant
20.	Marketing Philosophy a. Power selling mechanism b. Power allocation to stakeholders c. Applicable norms for tariff calculation
21.	Site specific studies (Civil, Electrical etc.)

ANNEXURES FOR CHAPTERS

Sl. No.	Title
1.	Cost Estimates a. Phase – I LNG based Engine Power Plant b. Phase – II LNG based Engine Power Plant c. Phase-I PV Solar Power Plant (20MW) d. Phase- II PV Solar Power Plant (30MW) e. Phase- III PV Solar Power Plant (50 MW)
2.	Consent to Establish
3.	Ministries Communications
4.	Site study reports
5.	Chimney clearance
6.	Forest clearance
7.	AAI/Defense clearance

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EXHIBITS

Sl. No.	TITLE
1.	Vicinity Plan
2.	GLP a. LNG based Engine Power Plant b. PV Solar Power Plant
3.	Single Line Diagram-Electrical a. LNG based Engine Power Plant b. PV Solar Power Plant
4.	Implementation Schedule a. Phase – I LNG based Engine Power Plant b. Phase – II LNG based Engine Power Plant c. Phase-I PV Solar Power Plant (20MW) d. Phase- II PV Solar Power Plant (30MW) e. Phase- III PV Solar Power Plant (50 MW)

(Sign & Entity Seal)

Authorized signatory