



TITLE: **3X800 MW NLC TALABIRA  
THERMAL POWER PROJECT**

**PROJECT INFORMATION**

SPECIFICATION NO. PE-TS-511-600-C003

SECTION - B

REV.NO. 0

DATE: 08 Jul, 2024

SHEET

1

OF

3

**NLC INDIA LIMITED**  
[NLCIL]

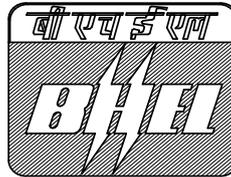


**NLC TALABIRA THERMAL POWER PROJECT**  
[3 x 800 MW]

**CIVIL, STRUCTURAL & ARCHITECTURAL WORKS**

**SPECIFICATION NO. PE-TS-511-600-C003**

**SECTION - B**  
***PROJECT INFORMATION***



**Bharat Heavy Electricals Limited**  
**Project Engineering Management**  
**PPEI Building, Power Sector,**  
**Plot No. 25, Sector 16A,**  
**Noida (U.P.)-201301**



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## **INTRODUCTION**

Talabira (3X800 MW) is being set up by NLC INDIA LIMITED (NLCIL) at Jharsuguda, Odhisa.

The Bidder shall acquaint himself by a visit to the site, if felt necessary, with the conditions prevailing at site before submission of the bid. The information given here in under is for general guidance and shall not be contractually binding on BHEL/Owner. All relevant site data /information as may be necessary shall have to be obtained /collected by the Bidder.

## **APPROACH TO SITE**

Project Site Location: Jharsuguda, Odhisa

Latitude & Longitude of project site:

North N 21° 46' 11"

East E 83° 59' 31"

Nearest Railway Station: Jharsuguda (11 km)

Nearest Town: Jharsuguda 11km

Nearest Highway: Sambalpur – Jharsuguda highway (SH10)

Nearest Airport: Bhubaneswar (350 km), Raipur (290km), Jharsuguda ()

Nearest Commercial Airport: Bhubaneswar (350 km)

- |   |  |
|---|--|
| 1. Owner                                | NLC INDIA LIMITED (NLCIL), ODHISA  |
| 2. Owner Consultant                     | Development Consultant Pvt. Ltd. (DCPL)  |
| 3. Project Title                        | NLC Talabira Thermal Power Project<br>3X800 MW                                   |
| 4. Location                             | Place - Talabira<br>District - Jharsuguda<br>State - Odhisa<br>Country - India   |
| 5. Land: Land is in possession of NLCIL |  |
| 6. Location Coordinate                  | 21.46 N, 83.59 E   |
| 7. Nearest Railway Station              | Jharsuguda   |
| 8. Site Ambient Condition               |  |
|   | Mean Daily Minimum ambient temperature during coldest month of the year: 7.6 °C  |
|   | Mean Daily Maximum ambient temperature during coldest month of the year: 47.5 °C |



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Relative Humidity: Maximum 91 % Minimum 36 %

Average relative humidity Annual Average 65 %

9. Rainfall: Annual average 1232.10 mm

10. Wind Data

Basic wind speed at 10m height

44.00 m/s as per IS: 875 part – III - 1984

For wind resistance design of structure & equipment refer relevant civil section

11. Seismic Zone

Zone – III As per IS: 1893, For earthquake resistance design of structure & equipment refer relevant civil section