

NLC Talabira Thermal Power Project (4 X 800 MW)

Project Type	Supercritical Thermal Power Plant (Coal Based)
Project Phase	3 X 800 MW (1 st Phase) And 1 X 800 MW (2 nd PHASE)
Estimated Project Cost	Rs 19422 Cr. (1st PHASE)
Location	Jharsuguda and Sambalpur
Coal Requirement	11.37 MTPA (FOR 1 st PHASE)
Coal Linkage	Talabira II & III Coal Blocks
Water Drawal	Hirakud Reservoir
Tariff*	Levelised Tariff: Rs 3.06/Unit (FC: Rs 2.08/Unit, EC: Rs 0.98/Unit)
PPA	TANGEDCO : 1500 MW PED : 100 MW KSEB : 400 MW GRIDCO : 400 MW } Under process (OPERC hearing held on 23.08.2022 and KSERC held on 25.08.2022)
Power Evacuation	765 KV Switchyard 400 KV Transmission
Land Requirement	1694 Acres

*Based on sanction cost



TPS-II 2nd Expansion Project



Project Type	Supercritical Thermal Power Plant (Lignite Based)
Project Phase	2 X 660 MW
Estimated Project Cost	Rs 11,189.20 Cr
Location	Neyveli, Tamil Nadu
Lignite Requirement	8.71 -MTPA
Lignite Linkage	Through Neyveli Lignite mining pooling along with MINE III
Tariff	Levelized Tariff: Rs 4.25/Unit (FC: Rs 2.17/ Unit, EC: Rs 2.08/Unit)
Power Allocation	526 MW PPA signed with TANGEDCO. TANGEDCO has communicated their willingness for the procurement of additional quantum of power on 01.04.2022 . Since Puducherry has a valid PPA of 40.31 MW, MoP was requested vide Ir dtd. 02.08.222 to allocate 1279.69 MW to TANGEDCO & 40.31 MW to Puducherry

150 MW Hybrid (50 MW Wind & 100 MW Solar)

Tariff Discovered during e-RA : ₹ 2.34/Unit
Min CUF as per RfS : 30%
NLCIL Bid CUF : 31.3%

Likely Project Cost : ₹ 876.53 Cr.
Wind : ₹ 383.68 Cr + Solar: ₹ 492.53 Cr

100 MW Solar: Tender Floated → 09.05.2022 ; Bid Open Date → 16.09.2022
50 MW Wind: Tender Floated → 11.03.2022 ; Bid Open Date → 16.09.2022

Scheduled CoD: 18 Months

1000 MW Solar Project in Assam

Solar 1000 MW through JV in phased manner

NLCIL Board approved signing of MoU with APDCL : 30.05.2022 & Assam Cabinet approved on 02.07.2022

MoU signed between NLCIL & APDCL on 09.08.2022 for the installation of 1000 MW RE power .Estimated CAPEX – Rs.5500 crore

Equity participation of NLCIL & APDCL in the ratio of 51:49

JVC shall undertake O&M activities of the Renewable Power Projects

APDCL shall facilitate for allotment of land and connectivity

Market cost of land shall be considered as equity for APDCL

510 MW Solar Under CPSU Phase-II

Maximum Power Usage Charges: ₹ 2.45/- per Unit.
(VGF: Rs. 44.7499 Lakh/MW.)

Only domestically manufactured Solar Photovoltaic (SPV) Cells and Modules to be used. (DCR Category)

IREDA issued LoA on 04.10.2021. (LoA to be issued to EPC bidder within 03.10.2022 for availing VGF)

Completion time - **30 Months from LoA (i.e., 03.04.2024)**

Tender floated for 500 MW → 25.07.2022 ; Bid Open Date → 07.09.2022

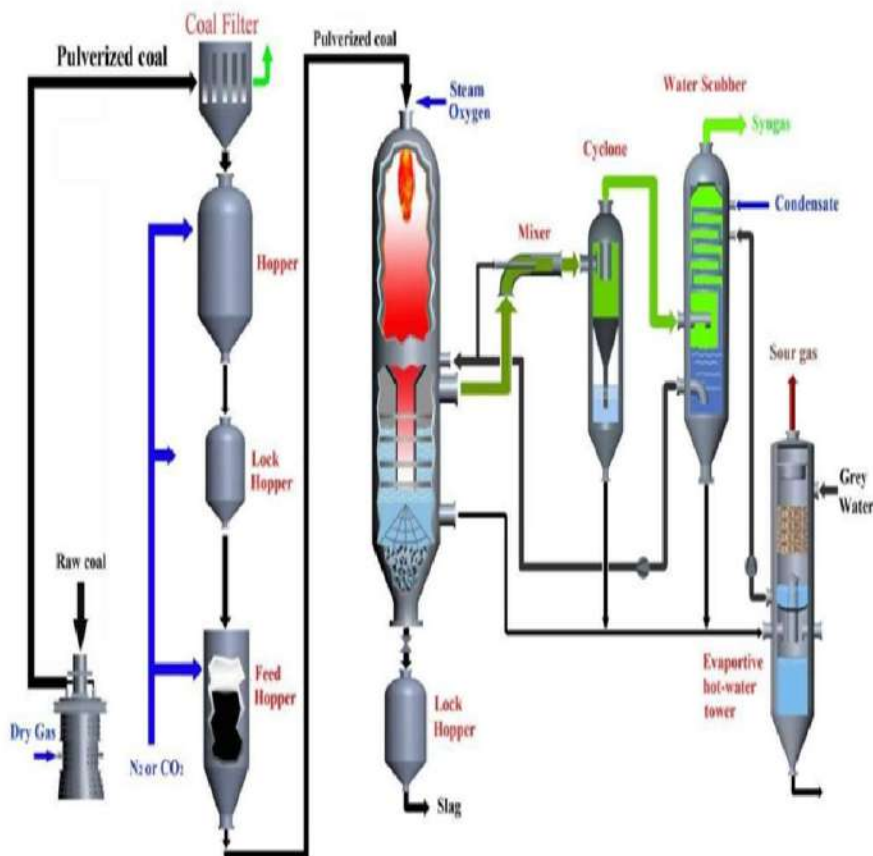
State DISCOMs and Government companies approached

Note:

1. Consent for 300 MW @ Rs.2.40 per Kwhr has been received from RUVNL (Rajasthan) on 23.08.2022.

2. NLCIL has also signed MoU with PFCCL & TANGEDCO through JV Company to develop 2000 MW UMREPP in TN for which TANGEDCO has floated tender for land purchase. The same is eligible for Central Financial Assistance (CFA) by MNRE.

Lignite To Methanol



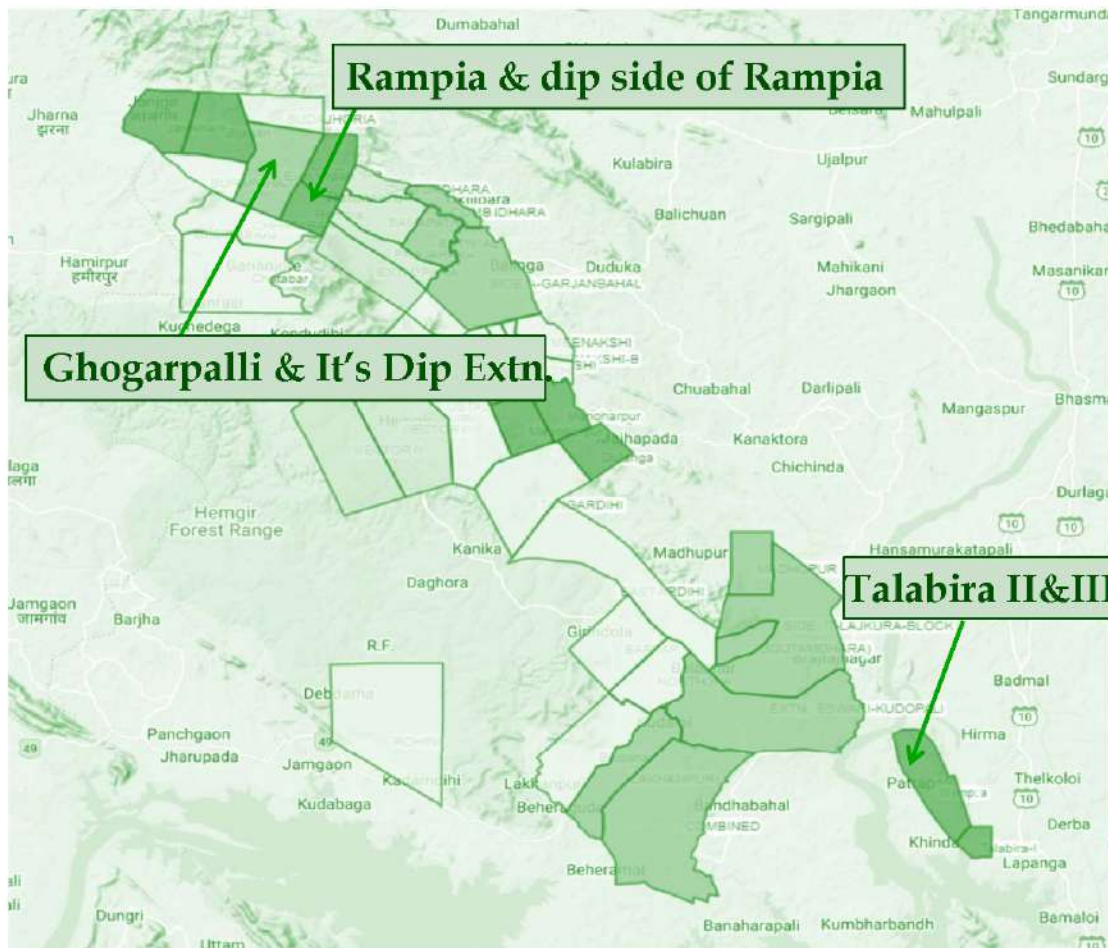
Project Highlights

- Pilot Plant capacity 0.40 MTPA
- Estimated Project cost: Rs.4,394 Cr
- The quantity of lignite required is 2.26 MTPA
- The total period of Project is 42 months from the date of LOA
- The Project is expected to complete by March-2027

Project – Current Status

- DFR prepared by M/s PDIL & Financial appraisal by M/s SBI Caps approved by Board.
- Licensor/ Technology: Shortlisted & approved
- Project implementation mode: Lump-Sum Turn Key (LSTK)
- NLCIL engaged M/s EIL as Project Management Consultant for implementation

Commercial COAL Block



MoC: Auction process launched for 122 Coal Blocks

Following 2 coal blocks in IB valley Coal Field, Sundergarh Dt., Odisha shortlisted by NLCIL

1. Ghogarpalli & its Dip Extn. (20 MTPA)

- Area: 14.34 sq.km
- Geological Reserves: 1288.284 MT
- Coal Grade: G11

2. Rampia & Dip Side of Rampia (15 MTPA)

- Area: 12.7 sq.km
- Geological Reserves: 1179.41 MT
- Coal Grade: G12

Both coal blocks are explored.

Bids submitted & technically qualified for both blocks.

Commercial Block auction is scheduled on 13.09.2022 & 14.09.2022. NLCIL will participate in e-auction.

Mine - III

Project area in Ha	4841.99
Capacity of Mine Proposed in MTPA	11.50
Life of Mine in Years	38
Mineable reserves in MT	415.37
Stripping Ratio	1 : 7.35
Project cost in Cr	3755.71
Financial IRR in %	11.54
Average Lignite Transfer price in Rs./tonne	1704.00
Linked end use plants	TPS II - 2nd Exp 1320 MW (2 X 660)
Anticipated year of Lignite Production	2026

THANK YOU

