

# THERMAL GENERATION in NORTH EASTERN REGION (NER)

## TARGET OF THERMAL CAPACITY ADDITION IN NORTH EASTERN REGION DURING 10TH PLAN

Sl.No.	Name of Project	State	Sector	Capacity Programmed (MW)
1	Monarchak Gas (NEEPCO)	Tripura	Central	500
2	Lakwa WH	Assam	State	37.20
3	Byrnihat HFO	Meghalaya	State	24
4	Mendipur HFO	Meghalaya	State	24
5	Bairabi HFO	Mizoram	State	22.92
6	Baramura GT	Tripura	State	21
7	Rokhiya U-7	Tripura	State	21
8	Leimakhong DG	Manipur	State	18
<b>Total</b>				<b>668.12</b>

## ACHIEVEMENT OF THERMAL CAPACITY ADDITION IN NORTH EASTERN REGION DURING 10TH PLAN

Sl. No	Project Details	Capacity Programmed (MW)	Capacity Achieved (MW)	Remarks
1.	Leimakhong DG State Sector Manipur	3x6=18	18	Commissioned
2.	Bairabi DG State Sector Mizoram	4x5.73 =22.92	22.92	Commissioned
3.	Rokhia GT Unit-7 State Sector Tripura	21	21	Commissioned
4	Baramura GT Unit-4 State Sector Tripura	21	21	Commissioned
5	Rokhia GT Unit-8 State Sector Tripura	21	21	Commissioned ( Not in original target)

## THERMAL CAPACITY SLIPPED FROM THE TARGET OF 10TH PLAN

Sl No	Project Details	Capacity Programmed (MW)	Capacity Achieved (MW)	Remarks
6.	Monarchak CCPP NEEPCO Tripura	500	NIL	Project was dropped in lieu of 750 MW ONGC Project
7.	Byrnihat DG State Sector Meghalaya	24	NIL	The project was dropped by the Meghalaya Govt. since the project was not cost effective.
8.	Mendipathar DG State Sector Meghalaya	24	NIL	The project was dropped by the Meghalaya Govt. since the project was not cost effective.
9.	Lakwa WHR Unit State Sector Assam	37.2	NIL	Project slipped to 11th Plan due to non finalization of power sharing agreement among the beneficiary state.
	Total Capacity Slipped	585.2		
	Actual Achievement	82.90		
	Total	----- 668.1		

## STATUS OF THERMAL POWER PROJECTS UNDER CONSTRUCTION IN NE REGION

Project Details	Capacity (MW)	Commissioning Schedule		Achievements	Specific reasons for slippage	Suggested remedial measures
		Original	Actual/ Now Anticipated			
Dimapur DGPP State Sector Executing Agency: Deptt.ofPower,Govt of Nagaland. <b>Funding: Non-Lapsable Central Pool of Resources.</b> <b>(Originally not included in the Target of 10<sup>th</sup> Plan, but was taken up as additional project for 10<sup>th</sup> Plan)</b>	22.92 (4x 5.73)	May' 2005	One year after release of funds	---	DONER had sanctioned and released Rs.32 Crs only against the total project cost of Rs.105.57 Crs. <b>Work is held-up for want of balance funds.</b>	During the meeting held in MOP on 04 <sup>th</sup> Dec'06, it has been decided to revive the project for which Planning Commission is being requested to provide funds to DONER.

## STATUS OF THERMAL POWER PROJECTS UNDER CONSTRUCTION IN NE REGION

Project Details	Capacity (MW)	Commissioning Schedule		Achievements	Specific reasons for slippage
		Original	Actual/ Now Anticipated		
Lakwa Waste Heat Recovery Project (State Sector) Executing Agency: Assam Power Generating Company Ltd. <b>Cost of the Project: Rs.173.28 crores.</b> <b>Funding: Govt.of Assam/PFC</b>	37.2	10 <sup>th</sup> Plan	Apr'2008	1. LOI for turn-key contract has been placed on M/s BHEL on 20.03.06. 2. Civil works are in progress.	The project was earlier delayed due to non-finalisation of the agreement circulated by NEC for sharing of power from this project by various beneficiary states of NE Region. Project is now being funded by Govt.of Assam/PFC.

## DETAILS OF THERMAL GENERATING STATIONS OF CAPACITY GREATER THAN 20 MW IN NE REGION

### ASSAM

- BONGAIGAON TPS      4X60 MW
- CHANDRAPUR TPS      2X30MW
- LAKWA    GTPS      4X15 +3X20 MW
- NAMRUP GTPS -GT- 1X12.5 +3X23 MW
- -ST- 1X30 MW
- NAMRUP WASTE      1X22.5 MW  
HEAT RECOVERY UNIT
- SEB D G STATION      1X20.69 MW
- KATHALGURI GTPS      3X30 +6X33.5MW  
(NEEPCO)

## DETAILS OF THERMAL GENERATING STATIONS OF CAPACITY GREATER THAN 20 MW IN NE REGION

### TRIPURA

- AGARTLA GAS                      4X21 MW  
POWER STATION  
(NEEPCO)
- ROKHIA PH-II,                      1X21MW  
UNIT-7 GAS  
POWER STATION

### MIZORAM

- BAIRABI D G STATION      1X22.92 MW

## DETAILS OF THERMAL GENERATING STATIONS OF CAPACITY GREATER THAN 20 MW IN NE REGION

- |                        |       |
|------------------------|-------|
| • NAGALAND             | -NIL- |
| • MANIPUR              | -NIL- |
| • ARUNACHAL<br>PRADESH | -NIL- |
| • MEGHALAYA            | -NIL- |

## PERFORMANCE OF THERMAL POWER STATIONS

NAME OF STATION	PLF %		REMARKS
	04-05	05-06	
•CHANDRAPUR ( 2X30 MW)	0.00	0.00	• UNDER SHUT DOWN SINCE JUNE 1999 DUE TO HIGH COST OF FUEL OIL.
•BONGAIGAON (4X60 MW)	0.00	0.00	• UNDER SHUT DOWN SINCE FEBRUARY 2002 • REVIVAL OF THESE UNITS IS COMMERCIALY NOT VIABLE. • NEW UNITS OF 3X250 MW ARE BEING INSTALLED BY NTPC, AT THE SAME SITE.

## PERFORMANCE OF THERMAL POWER STATIONS

NAME OF STATION	PLF %		REMARKS
	04-05	05-06	
NAMRUP (ST) 30 MW	0.00	29.20	<p>- LOW PLF DUE TO</p> <p>i) TECH. PROBLEMS, SUCH AS DRUM PRESSURE/ CONDENSER VACUUM ETC. RESTRICTING MAX. CAPACITY TO 23 MW.</p> <p>ii) UNIT REMAINED UNDER SHUT DOWN FROM 3/03 TO 6/05 DUE TO GENERATOR COIL FAILURE.</p> <p>- ONLY NEED BASED R&amp;M IS BEING DONE</p> <p>i) BHEL HAS CARRIED OUT REPAIR / RESTORATION OF UNIT.</p> <p>ii) REPLACED SH. COILS, ID FAN ROTOR, RENOVATION OF COOLING TOWERS.</p> <p>iii) AN EXPENDITURE OF Rs. 2.8 Cr. INCURRED DURING 10<sup>TH</sup> PLAN.</p>

## PERFORMANCE OF THERMAL POWER STATIONS -GT

NAME OF STATION	PLF %		REMARKS / REASONS FOR LOW PLF
	04-05	05-06	
<ul style="list-style-type: none"> <li>• NAMRUP-133.5 MW</li> <li>• KATHALGURI-291MW</li> <li>• LAKWA -141MW</li> <li>• BARAMURA -21MW</li> <li>• ROKHIA -69MW</li> <li>• AGARTALA- 84MW</li> <li>• NAMRUP, WHR-UNIT 22MW</li> </ul>	<p>37.87</p> <p>63.55</p> <p>29.86</p> <p>83.42</p> <p>54.91</p> <p>77.62</p> <p>-</p>	<p>44.46</p> <p>67.59</p> <p>34.26</p> <p>92.08</p> <p>31.86</p> <p>86.73</p> <p>29.37</p>	<p>i) MAINLY PEAKING STATIONS</p> <p>ii) LOW GAS PRESSURE / INSUFFICIENT FUEL SUPPLY.</p> <p>iii) TECHNICAL PROBLEMS.</p>

**LIST OF THERMAL POWER PROJECTS IN NORTH EASTERN  
REGION PROGRAMMED FOR COMMISSIONING DURING 11<sup>TH</sup>  
PLAN**

<b>Sl. No</b>	<b>Name of Scheme</b>	<b>Capacity (MW)</b>	<b>Type</b>	<b>Commissioning schedule ( Tentative)</b>
1.	Bongaigaon TPS by NTPC	750	Coal	2010-12
2.	Lakwa Waste Heat Project by APGCL	37.2	Gas	(2008-09)
3.	DG sets at Dimapur	22.92	HFO.	2007-08
4.	Tripura Gas, Power Development Company Pvt. Ltd. Joint Venture of IL&FS, ONGC and Govt. of Tripura	750	Gas	2009-10
	<b>Total</b>	<b>1560.12</b>		

**STATUS OF THERMAL POWER PROJECTS IN NORTH  
EASTERN REGION PROGRAMMED FOR COMMISSIONING  
DURING 11<sup>TH</sup> PLAN**

<b>Sl No</b>	<b>Name of the Scheme</b>	<b>Capacity (MW)</b>	<b>Brief Status</b>	<b>Commissioning Schedule</b>	<b>Problems/ Bottlenecks and Action Plan</b>
<b>1. ASSAM</b>					
	Bongaigaon TPS by NTPC (Coal)	750	NTPC is preparing the DPR for the project	11 <sup>th</sup> Plan	<ul style="list-style-type: none"> <li>• DPR under preparation</li> <li>• Mega Power Status is under consideration</li> <li>• Various clearances are being tied up.</li> </ul>

## STATUS OF THERMAL POWER PROJECTS IN NORTH EASTERN REGION PROGRAMMED FOR COMMISSIONING DURING 11<sup>TH</sup> PLAN

Sl No	Name of the Scheme	Capacity (MW)	Brief Status	Commis- sioning Schedule	Problems/ Bottlenecks and Action Plan
<b>2. NAGALAND</b>					
	DG sets at Dimapur	22.92	A Task Force constituted in CEA has recommended that the HFO based DG plant located near Dimapur may be cleared with HFO as initial fuel which could be converted later to dual firing system for running on gas.	11 <sup>th</sup> Plan	<ul style="list-style-type: none"> <li>The project revival is under consideration.</li> <li>Planning Commission and Minister of DONER would have to tie up funding of the project</li> <li>Planning Commission would be addressed for providing the additional funds.</li> <li>Govt. of Nagaland would not approach for subsidy for funding the fuel cost.</li> <li>Min. of DONER would submit a Cabinet Note for seeking approval of the project and its funding.</li> </ul>

## STATUS OF THERMAL POWER PROJECTS IN NORTH EASTERN REGION PROGRAMMED FOR COMMISSIONING DURING 11<sup>TH</sup> PLAN

Sl No	Name of the Scheme	Capacity (MW)	Brief Status	Commissioning Schedule	Problems/ Bottlenecks and Action Plan
<b>3. TRIPURA</b>					
a.	Tripura Gas, Power Dev. Co. Pvt. Ltd. Joint Venture of IL&FS, ONGC and Govt. of Tripura	750	<ul style="list-style-type: none"> <li>Gas linkage signed with ONGC in April 2005</li> <li>MOU has been signed with PFC for funding.</li> </ul>	11 <sup>th</sup> Plan	<ul style="list-style-type: none"> <li>DPR prepared</li> <li>Inputs / clearances are being tied up.</li> </ul>



## LIST OF SHELF OF THERMAL POWER PROJECTS WHICH COULD BE CONSIDERED FOR NORTH EASTERN REGION

Sl No	Name of the Scheme	Capacity (MW)	Brief Status	Commissioning Schedule	Problems/ Bottlenecks and Action Plan
<b>3. TRIPURA</b>					
b.	Baramura Gas based TPP	21	EFC memo was considered in the meeting held on 16.02.2006	11 <sup>th</sup> Plan	<ul style="list-style-type: none"> <li>• Additional gas to be tied up.</li> <li>• Funding by NEC to be firmed up.</li> </ul>

# THANKS