

Central Electricity Authority

Brief Status of awarded Ultra Mega Power Projects (UMPPs)

1. **SASAN UMPP (6x660MW)** Fully operational
- Location** Sasan Village in District Singrauli (M.P.)
- Type of Plant** Pithead
- Name of Developer** M/s Sasan Power Ltd. (Reliance Power Limited)
- Date of LOI** 01.08.2007
- Date of Transfer of SPV** 07.08.2007
- Date of signing of PPA** 07.08.2007
- Order of main plant** 24.06.2008
- Financial closure** 21.04.2009

Commercial Operation Dates

Unit No.	Schedule COD as per original Power Purchase Agreement	As per Sasan Power Limited/ actual COD
1	May, 2013	16.08.2013*
2	December, 2013	28.01.2014
3	July, 2014	12.04.2014
4	February, 2015	27.05.2014
5	September, 2015	26.12.2014
6	April, 2016	19.03.2015

*COD declared by CERC on 8th August, 2014.

Levelling Tariff at the time of award- Rs. 1.196 per kWh

Land:

Power Plant- 3700 Acres including Ash dyke, colony, corridors etc.

Captive Coal Blocks – 3071 Acres

Coal

Captive coal Blocks -Mohar Coal Block (GR-402MT), Mohar-Amlohri Ext. Coal Block (GR-198MT)

Water

From Rihand reservoir (140 Cusec)

Clearances and approval

All clearances and approval obtained.

Power Procurers

Plant capacity 3960 MW

S. No.	State	Power allocated	
		%*	MW[§]
1.	Madhya Pradesh (Lead Procurer)	37.5	1485
2	Punjab	15	594
3	Uttar Pradesh	12.5	495
4	Delhi	11.25	445.5
5	Haryana	11.25	445.5
6	Rajasthan	10	396
7	Uttarakhand	2.5	99
	Total	100	3960

*Allocated contracted capacity as per PPA

§ corresponding to % of Plant Capacity

Generation & PLF:

Parameters	2013-14	2014-15	2015-16	2016-17	2017-18 (upto Dec'17)
Generation (MU)	2939	17274	31263	29415	23440.23
PLF(%)	52.56	65.21	90.84	84.79	89.69

2. Mundra UMPP (5x800MW)	Fully operational
Location	Mundra village in Kutch District, Gujarat
Type of Plant	Coastal
Name of Developer	Coastal Gujarat Power Limited (Tata Power Company Ltd)
Date of LOI	28.12.2006
Date of Transfer of SPV	24.4 .2007
Date of signing of PPA	23.4.2007
Order of main plant	15.5.2007
Financial closure	24.4.2008

Commercial Operation Dates

Unit No.	Schedule COD as worked out based on Power Purchase Agreement	COD as per actuals
1.	Aug. 2012	7.3.2012
2.	Feb. 2013	30.7.2012
3.	Aug. 2013	27.10.2012
4.	Feb. 2014	21.1.2013
5.	Aug. 2014	22.3.2013

Levelised Tariff at the time of award- Rs. 2.26 per kWh (with 45% non escalable fuel component)

Land

Power Plant - 3068 acres including Ash dyke, colony, corridors etc.

Water - Sea water

Sweet Water Sweet Water generating using Desalination Plant

Coal Imported coal (Indonesia, Australia, China, South Africa etc.)

Clearances and approval

All clearances and approval obtained.

Power Procurers

Plant capacity 4000 MW

S. No.	State	Power allocated	
		%*	MW [§]
1.	Gujarat(Lead Procurer)	47.5	1900
2	Haryana	10	400
3	Maharashtra	20	800
4	Punjab	12.5	500
5	Rajasthan	10	400
	Total	100	4000

*Allocated contracted capacity as per PPA

§ corresponding to % of Plant Capacity

Generation & PLF:

Parameters	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18 (upto Dec'17)
Generation(MU)	179.86	12440.39	23927.80	26577.60	25679.75	27460.24	18727.16
PLF(%)	-	77.94	68.20	75.85	73.37	78.37	70.94

3. Krishnapatnam UMPP (6x660MW)

Construction started, but presently stopped due to increase in cost of imported coal

Location Krishnapatnam in District Nellore, Andhra Pradesh
Type of Plant Coastal
Name of Developer Coastal Andhra Power Limited (Reliance Power Limited)
Date of signing of PPA- 23.03.2007
Date of LOI- 30.11.2007
Date of Transfer of SPV- 29.01.2008
Financial closure - 07.07.2010
Order of main plant (BTG) Oct., 2010

Commercial Operation Dates

Unit No.*	Schedule COD as worked out based on Power Purchase Agreement As per 5x800MW configuration	Revised COD schedule as per Amended PPA (27.10.2010) With Plant configuration revised to 6 x 660 MW	COD as per actuals
1.	September, 2013	June 2013	The developer has stopped the construction work at the project site in June 2011 citing new Regulation of the Govt. of Indonesia as the reason which prohibits sale of coal, including sale to affiliate companies, below bench mark price.
2.	April, 2014	Oct.2013	
3.	October, 2014	Feb. 2014	
4.	April, 2015	June 2014	
5.	October, 2015	Oct 2014	
6.	-	Feb 2015	

Levellised Tariff at the time of award- Rs. 2.33 per kWh.

Land

Power Plant - 2625 acres including Ash dyke, colony, corridors etc.

Water - Sea water

Sweet Water Proposed to be generated using Desalination Plant

Coal Imported coal (Indonesia)

Clearances and approval

All clearances and approval obtained.

Power Procurers

Plant capacity 3960 MW

S. No.	State	Power allocated	
		%*	MW [§]
1.	Andhra Pradesh+ Telagana (Lead Procurer)	40	1584
2	Karnataka	20	792
3	Maharashtra	20	792
4	Tamil Nadu	20	792
	Total	100	3960

*Allocated contracted capacity as per PPA

§ corresponding to % of Plant Capacity

Construction status

90% Boundary work completed. Leveling of site in Main Plant completed. Piling work carried out for Chimney, CW pump house and TG foundation. Ground improvement works done for Cooling Tower Area. Approach road constructed, Area drains, plant roads, permanent stores were taken-up for construction. The developer has stopped the construction work at the project site in June 2011 citing new Regulation of the Govt. of Indonesia as the reason which prohibits sale of coal, including sale to affiliate companies, below bench mark price.

Other Status

Termination of PPA

While bidding for the project, the developer M/s Reliance Power had quoted for tariff considering entire fuel cost component as fixed. M/s Reliance Power had tied up coal supplies from Indonesia on a fixed price and fixed escalation basis. Govt. of Indonesia in Sept 2010 had enacted a Regulation making it mandatory for the holders of the mining permits to sell the coal as per the market mechanism and as international market. Due to changes in the regulation, the cost of coal and hence cost of power generated from Krishnapatnam UMPP was going to be increased. As a result, M/s Reliance found this project non-viable. Hence, M/s Reliance Power Ltd. had stopped construction work at the project site.

APSPDCL, the lead procurers on behalf of Procurers had issued Termination Notice to CAPL on 15.3.2012 for termination of the PPA and for forfeiture of bank guarantee quoting various reasons therein. Subsequently, CAPL filed petitions on 19.03.2012 in Indian Council of Arbitration (ICA) under Section 9 of the Arbitration and Conciliation Act, 1996 and in Delhi High Court Single Bench. CAPL also filed an appeal in Delhi High Court Single Bench. The single bench on 02.07.2012 pronounced its judgment and directed CAPL to approach CERC first. The judgment also maintained, "It is not possible to agree that increase in fuel costs would constitute Force Majeure". Further, the procurers on 24.11.2012 informed ICA that only CERC has any right or power to ask the procurers to undertake any arbitration and that the subject of arbitration was currently subjudice before Delhi High Court.

Subsequently, CAPL filed an appeal before the division bench in Delhi High Court on 02.07.2012 challenging the judgment of Delhi High Court dated 02.07.2012 regarding its pronouncement that increase in fuel cost would not constitute a Force Measure condition. CAPL filed a petition in CERC in December 2012 to adjust the tariff to take care of the regulation in Indonesia related to increase in coal prices.

CAPL on 05.01.2015 informed CERC that they had requested procurers for withdrawing termination notice and make settlement and Procurers are in the process of appointing a consultant to study the implications of the withdrawal of termination notice. Subsequently, CAPL on 10.02.2015 requested CERC to keep the petition pending till the outcome of the settlement with procurers.

As per CERC order dated 04.08.2015 petitioner is pursuing the appeal before Delhi High Court. Accordingly, CERC had disposed of the petition with liberty to the petitioner to approach the Commission at the appropriate stage in accordance with law, if so advised. Delhi High Court also vide order dated 08.02.2016, adjourned the hearing till the outcome of the settlement. Further, Delhi High Court order dated 28.11.2017 dismissed the application for early hearing.

4. **Tilaiya UMPP (6x660MW)** Construction not started and PPA of the project is under termination due non transfer of project and coal block land to developer
- Location** Near Tilaiya village in Hazaribagh and Koderma Districts, Jharkhand
- Type of Plant** Pithead
- Name of Developer -** Jharkhand Integrated Power Ltd. (Reliance Power Limited)
- Date of LOI** 12.2.2009
- Date of Transfer of SPV** 7.8 .2009
- Date of signing of PPA** 7.8.2009
- Order of main plant** Jan, 2011

Commercial Operation Dates-

Unit No.	Schedule COD as worked out based on Power Purchase Agreement
1.	May 2015
2.	Oct. 2015
3.	March 2016
4.	August 2016
5.	Jan 2017
6.	June 2017

Levelling Tariff at the time of award- Rs. 1.77 per kWh

Land

Power Plant -Total land 2523 Acres including Ash Dyke, Ash Corridor, Approach Road, Corridors etc.

Coal

Captive Coal Blocks- Kerandari 'B' & 'C' blocks (GR: 972MTs) of North Karanpura coalfields

Water: 150 Cusecs of water available from Tilaiya Dam.

Environment and Forest Clearances:

Environmental Clearance and Forest Clearance for main Plant: - Received.

Environment Clearance for the Kerandari 'B' & 'C' block: - TOR obtained. EIA study completed.

Environment Clearance is yet to be obtained.

Forest Clearance for the Kerandari 'B' & 'C' block: yet to be obtained

Power Procurers

Plant capacity 3960 MW

S. No.	States	Power Allocation	
		%*	MW [§]
1.	Jharkhand(Lead Procurer)	25	990
2.	U.P.	16.25	643.5
3.	Bihar	12.5	495
4.	Punjab	11.25	445.5
5.	Gujarat	7.5	297
6.	Maharashtra	7.5	297
7.	Rajasthan	6.25	247.5
8	M.P.	5	198
9	Haryana	5	198
10	Delhi	3.75	148.5
	Total	100	3960

*Allocated contracted capacity as per PPA

§ corresponding to % of Plant Capacity

Status:**Termination of PPA and Re-bidding of Project**

The Project was awarded to Reliance Power Ltd. (RPL) in August 2009. The developer had issued Notice of Termination of Power Purchase Agreement (PPA) in April 2015, citing non fulfilment of PPA condition regarding transfer of land by Govt. of Jharkhand. After deliberating on various options available and considering the legal position and the need to facilitate quick implementation of the Project in the best interest of the Procurers, it was decided in the meeting of Procurers held on 03.11.2015, to accept the Notice of Termination and take over the SPV i.e. Jharkhand Integrated Power Ltd. (JIPL) from the Developer. RPL and the Procurers have decided to terminate the PPA due to non-fulfilment of conditions of PPA.

Transfer of SPV from developer to Procurers is under process. Procurers held a meeting on 27.11.2017 to take over JIPL from RPL. Re-Bidding process for Tilaiya UMPP would be initiated after takeover of the SPV for the project from RPL.