BROAD STATUS REPORT
MAY, 2021
UNDER CONSTRUCTION THERMAL POWER PROJECTS

Thermal Project Monitoring Division

Central Electricity Authority
New Delhi
Ministry of Power
Government of India

www.cea.nic.in

(In fulfillment of CEA's obligation under section 73(f) of Electricity Act, 2003)

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FOREWORD

As per clause 73(f) of Electricity Act 2003, Central Electricity Authority is to "promote and assist in the timely completion of schemes and projects". The Thermal Project Monitoring (TPM) Division of CEA is entrusted with the responsibility of monitoring the progress of construction/erection activities of all the thermal power projects in the country till the units are commissioned. Visits are also made by CEA officers to the sites for assessing the on the spot progress of works and rendering the advice/assistance in solving the problems being faced by the project authorities, thereby helping the project authorities in avoiding / minimizing the time and cost overruns of the thermal power projects.

In this context, Thermal Project Monitoring Division, Central Electricity Authority has been bringing out monthly report titled "Broad Status of Thermal Power Projects in the Country". This report gives year-wise details of thermal power projects commissioned during 12th plan and onwards. Further, the Report includes up-to-date information on thermal power projects under construction in the country wherein the details regarding name of the Project, capacity, location, implementing agency, commissioning schedule, type of fuel, estimated cost, the milestones achieved as on date etc. are available. The critical issues requiring immediate attention of concerned authorities in the implementation of these thermal power projects have also been highlighted. Construction activities in most of the under construction thermal power projects are moving at a slow pace due to the impact of COVID-19 epidemic.

The Broad Status Report is being brought out regularly by TPM Division on the basis of the data forwarded by various project authorities, visits made by CEA officers to various power projects, discussions held with the executing agencies and suppliers of equipment from time to time.

CEA welcomes feedback for further improvement in the Broad Status Report.

Chief Engineer (TPM)

This report is based on the details received from various project authorities & other organizations / agencies associated with the projects and is for information and non-commercial use only. CEA is not responsible for the contents or reliability of other websites to which CEA provides a link and do not necessarily endorse the views expressed by them.

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0.0 Overview of under construction TPPs in the country:

(a) All India Installed Capacity (MW)*

As on 30.05.2021

SECTOR	THERMAL					NUCLEAR	HYDRO	RES	GRAND TOTAL
	COAL	LIGNITE	GAS	DIESEL	TOTAL				
State	65931.5	1150	7087.355	236.008	74404.863	0	27069.5	2395.272	**103869.635**
Private	74173	1830	10598.744	273.701	86875.445	0	3493	90985.01	**181353.46**
Central	62570	3640	7237.91	0	73447.91	6780	15646.72	1632.3	**97506.93**
Total	**202674.5**	**6620**	**24924.01**	**509.709**	**234728.218**	**6780**	**46209.22**	**95012.59**	**382730.02**
In % of Grand Total	53.04	1.73	6.52	0.13	61.42	1.77	12.09	24.71	100

* taken from Installed Capacity Report prepared by PDM Division,CEA available on CEA's website.

(b) Tentative Under Construction Thermal Capacity likely to be included into National Capacity:

As on 15.06.2021

FY	2021-22	2022-23	2023-24	2024-25	Total	Work is on hold/ Not likely to be commissioned	Grand Total
Central	5400	3400	4240	1460	14540	500	15040
State	4360	8200	3060	1600	17220	660	17880
Private	525	0	0	0	525	23205	23730
Total	10285	11640	7300	3060	32285	24365	56650

* The list of under construction TPP where work is on hold / not likely to be commissioned is at Page No. 23-25.
Further, the details of the same may be seen in Monthly Broad Status report for the month of Jan-21.
https://cea.nic.in/wp-content/uploads/thermal_broad/2021/01/broad_status.pdf

(c) Total Under Construction TPPs in the country:

As on 15.06.2021

Sector	Super Critical (MW)	Sub-Critical (MW)	Total (MW)	Total No. of Projects	Total No of Units
Central	14040	1000	**15040**	**13**	**24**
State	17240	640	**17880**	**17**	**26**
Private	9240	14490	**23730**	**26**	**53**
Total	**40520**	**16130**	**56650**	**56**	**103**

1.0 12th Plan Capacity Addition:

1.1 Total Capacity Addition Target (MW) during 12th Plan:

SECTOR	THERMAL	HYDRO	NUCLEAR	TOTAL
CENTRAL	14877.6	6004	5300	26181.6
STATE	13922	1608	-	15530
PRIVATE	43540	3285	-	46825
TOTAL	**72339.6**	**10897**	**5300**	**88536.6**

1.2 Year Wise Sector Wise Thermal Capacity Addition Achievement against Revised Target during 12th Plan:

Year	Thermal capacity addition during 12th Plan (MW)				Revised Target	% Achievement
	Central	State	Private	Total		
2012-13	5023.3	3911	11187.5	20121.8	15154.3	132.78%
2013-14	1660	3322	11785	16767	15234.3	110.06%
2014-15	2659.2	4886.1	13285	20830.3	14988.3	138.98%
2015-16	3295.6	6460	12705	22460.6	17346.1	129.49%
2016-17	3230.5	3622.25	4698	11550.75	13440.5	85.94%
Total	**15868.6**	**22201.35**	**53660.5**	**91730.45**	**76163.5**	**120.44%**

1.3 Sector-wise Thermal Capacity Addition during FY 2017-18; FY 2018-19, FY 2019-20 & FY 2020-21:

Thermal capacity addition after 12th Plan (from 01.04.2017 onwards)						
Sector	**2017 - 18**		**2018-19**		**2019-20**	
	Target (MW)	Achievement (MW)	Target (MW)	Achievement (MW)	Target (MW)	Achievement (MW)
Central	4880	3170	2760	1300	6040	3940
State	3546.15	1260	4506.15	2780	4256.15	2780
Private	2940	2280	Nil	Nil	Nil	Nil
Total	**11366.15**	**6710**	**7266.15**	**4080**	**10296.15**	**6720**
Additional Thermal Capacity included in Capacity Addition						
Central	-	0	-	660	-	-
State	-	500	-	69.755	-	-
Private	-	1500	-	972	-	45
Total	**-**	**2000**	**-**	**1701.755**	**-**	**45**
Grand Total	**11366.15**	**8710**	**7266.15**	**5781.755**	**10296.15**	**6765**

Thermal Capacity Addition Target and achievement for the FY 2020-21

Sector	**Target**	**Achievement**
Central	5790	4080
State	4276.15	846.15
Private	525	0
Total	**10591.15**	**4926.15**

1.4 Thermal Capacity Addition Target for the FY 2021-22 (as on 15.06.2021)

Sl. No.	Project Name	Unit No.	Capacity (MW)	Developer / Imp. Agency	State	Trial Run/ COD anticipated at the Beginning of the year	Capacity Achieved (MW)	Actual Date of Cap. Addition
CENTRAL SECTOR								
1	Barh STPP-I	1	660	NPGCL	Bihar	July'21		
2	Darlipalli STPP St-I	2	800	NTPC	Odisha	Aug'21		
3	Nabi Nagar TPP	4	250	BRBCL (JV of NTPC & Rly)	Bihar	Aug'21		
4	Rourkela TPP-II Expansion	1	250	NSPCL (JV of NTPC & SAIL)	Odisha	Sep'21		
5	Nabi Nagar STPP	3	660	NPGCL	Bihar	Oct'21		
6	North Karanpura STPP	1	660	NTPC	Jharkhand	Oct'21		
7	Ghatampur TPP	1	660	NUPPL (JV of NLC & UPRVUNL)	U.P.	Mar'22		
8	Telangana STPP-I	1	800	NTPC	Telangana	Mar'22		
9	Barh STPP-I	2	660	NTPC	Bihar	Mar'22		
Total Central Sector			**5400**				**0**	
STATE SECTOR								
1	Suratgarh SCTPP	8	660	RRVUNL	Rajasthan	Jun'21		
2	Sri Damodaran Sanjeevaiah TPP St-II	1	800	APGENCO	Andhra Pradesh	Jul'21		
3	Harduaganj TPS Exp-II	1	660	UPRVUNL	U.P.	Jul'21		
4	Bhadradri TPP	4	270	TSGENCO	Telanganaa	Sep'21		
5	Yelahanka CCPP	GT+ST	370	KPCL	Karnataka	Sep'21		
6	Dr. Narla Tata Rao TPS St-V	1	800	APGENCO	Andhra Pradesh	Oct'21		
7	North-Chennai TPP St-III	1	800	TANGEDCO	Tamil Nadu	Dec'21		
Total State Sector			**4360**				**0**	
PRIVATE SECTOR								
1	Tuticorin TPP Stage-IV	1	525	SEPC	Tamil Nadu	May'21		
Total Private Sector			**525**				**0**	
Total Thermal Capacity :			**10285**				**0**	

2.1 Thermal Capacity Addition Target/ Achievement for the Year 2012-13

State	Project Name	Impl Agency	Unit No	LOA Date	BTG Supplier	Targeted Cap. (MW)	Actual Cap. comm. (MW)	Comm. Date		COD
								Envisaged at the beginning of year	Ant. /Act(A)	
CENTRAL SECTOR										
Chhattisgarh	Sipat -I	NTPC	U-3	Apr-04	Others	660	660	06/12	02.06.12(A)	01.08.2012
Haryana	Indira Gandhi TPP	APCPL	U-3	Jul-07	BHEL	500	500	12/12	07.11.12(A)	26.04.2013
Jharkhand	Kodarma TPP	DVC	U-2	Jun-07	BHEL	500	500	12/12	15.02.13(A)	14.06.2014
Maharashtra	Mouda TPP	NTPC	U-1	Nov-08	BHEL	500	500	07/12	19.04.12(A)	13.03.2013
Maharashtra	Mouda TPP	NTPC	U-2	Nov-08	BHEL	-	500	-	29.03.13(A)	March 14
MP	Vindhyachal TPP-IV	NTPC	U-11	Jan-09	BHEL	500	500	07/12	14.06.12(A)	01.03.2013
MP	Vindhyachal TPP-IV	NTPC	U-12	Jan-09	BHEL	-	500	-	22.03.13(A)	March 14
TN	Vallur TPP Ph-I	NTECL	U-2	Aug-07	BHEL	500	500	02/13	28.02.13(A)	25.08.2013
Tripura	Tripura Gas	ONGC	Module-1	Jun-08	BHEL	363.3	363.3	11/12	03.01.13 (A)	04.01.2014
UP	Rihand TPP-III	NTPC	U-5	Feb-09	BHEL	500	500	06/12	25.05.12(A)	19.11.2012
					Total Central Sector	**4023.3**	**5023.3**			
STATE SECTOR										
Chhattisgarh	Korba West Extn.St.III TPP	CSEB	U-5	-	BEHL	-	500	-	22.03.13(A)	05.09.2013
Chhattisgarh	Marwa TPP	CSEB	U-1	Apr-08	BHEL	500	-	02/13	Slipped	-
Delhi	Pragati CCGT - III	PPCL	GT-3	May-08	BHEL	250	250	08/12	27.06.12(A)	28.10.2013
Gujarat	Pipavav CCPP	GSECL	Block-2	Dec-07	BHEL	351	351	01/13	27.03.13(A)	27.03.2013
	Ukai TPP Extn	GSECL	U-6	Sep-07	BHEL	490	490	12/12	05.03.13(A)	08.06.2013
Rajasthan	Ramgarh CCGT	RRVUNL	GT	Aug-09	BHEL	110	110	01/13	20.03.13(A)	06.12.2013
	Ramgarh CCGT	RRVUNL	ST-1		BHEL	50	-	02/13	Slipped	-
MP	Satpura TPP Extn.	MPPGCL	U-10	Mar-08	BHEL	250	250	02/13	22.03.13(A)	18.08.2013
TN	Mettur TPP Ext	TNEB	U-1	Aug-08	Chinese	600	600	06/12	11.10.12(A)	12.10.2013
	North Chennai Extn.	TNEB	U-2	Aug-08	BHEL	600	600	03/13	09.03.13(A)	08.05.2014
UP	Harduaganj Ext	UPRVUNL	U-9	Jun-06	BHEL	250	250	05/12	25.05.12(A)	10.10.2013
	Parichha Extn	UPRVUNL	U-5	Jun-06	BHEL	250	250	06/12	24.05.12(A)	17.07.2012
	Parichha Extn	UPRVUNL	U-6			250	250	09/12	11.03.13(A)	18.04.2013
					Total -State Sector	**3951**	**3911**			
PRIVATE SECTOR										
AP	Simhapuri TPP Ph-1	Madhucon Projects Ltd.	U-2	Jan-09	Chinese	150	150	09/12	02.07.12(A)	15.07.2012
	Thamminapatnam TPP-I	Meenakshi Energy Pvt. Ltd.	U-1	Aug-09	Chinese	150	150	08/12	09.09.12(A)	07.10.2012
	Thamminapatnam TPP-I	Meenakshi Energy Pvt. Ltd.	U-2			150	-	11/12	Slipped	-
Chhattisgarh	Kasaipalli TPP	M/s ACB (India)	U-2	Nov-08	Chinese	135	135	06/12	21.06.12(A)	21.06.2012
	Salora TPP	M/s Vandna Vidyut	U-1	Nov-08	Chinese	135	-	12/12	Slipped	-
	Swastik Korba TPS	ACB	U-1	-	Others	25	-	06/12	Slipped	-
	Ratija TPP	SCPL	U-1	-	Chinese	-	50	-	04.02.13(A)	27.02.2013
Gujarat	Mundra Ultra Mega TPP	Tata Power Co.	U-2	May-07	Others	800	800	12/12	25.07.12(A)	28.07.2012
	Mundra Ultra Mega TPP	Tata Power Co.	U-3	May-07	Others	-	800	-	16.10.12(A)	27.10.2012
	Mundra Ultra Mega TPP	Tata Power Co.	U-4	May-07	Others	-	800	-	16.01.13(A)	21.01.2013
	Mundra Ultra Mega TPP	Tata Power Co.	U-5	Jun-07	Others	-	800	-	18.03.13(A)	22.03.2013
	UNO-SUGEN CCPP	Torrent Power Ltd.	Mod-1	-	Others	-	382.5	-	20.01.13(A)	04.04.2013
	Salaya TPP	ESSAR	U-2	Nov-07	Chinese	600	600	08/12	13.06.12(A)	15.06.2012
Haryana	Jhajjar TPP (Mahatma Gandhi TPP)	CLP Power India Pvt. Ltd.	U-2	Jan-09	Chinese	660	660	04/12	11.04.12(A)	19.07.2012
Jharkhand	Adhunik Power TPP	Adhunik Power Co. Ltd.	U-1	May-09	BHEL	270	270	09/12	19.11.12(A)	21.01.2013
	Adhunik Power TPP	Adhunik Power Co. Ltd.	U-2	May-09	BHEL	-	270	-	29.03.13(A)	19.05.2013
	Corporate Power Ltd Ph-I (Maitrishi Usha)	M/s Corporate Power Ltd.	U-1	Dec-09	BHEL	270	-	12/12	Slipped	-
Maharashtra	Bela TTP-I	IEPL	U-1	Dec-08	BHEL	270	270	09/12	20.03.13(A)	18.07.2013
	Butibori TPP	Vidarbha Industries Power Ltd	U-2	Dec-09	Chinese	300	300	08/12	17.08.12 (A)	04.04.2013
	EMCO Warora TPP	EMCO Energy Ltd. (GMR)	U-1	Sep-09	Chinese	300	300	11/12	07.02.13(A)	19.032013
	Tirora TPP Ph-I	Adani Power Ltd	U-1	Feb-08	Chinese	660	660	08/12	11.09.12(A)	23.09.2012

State	Project Name	Impl Agency	Unit No	LOA Date	BTG Supplier	Targeted Cap. (MW)	Actual Cap. comm. (MW)	Comm. Date		COD
								Envisaged at the beginning of year	Ant. /Act(A)	
	Tirora TPP Ph-I	Adani Power Ltd	U-2			660	660	11/12	25.03.13(A)	30.03.2013
	Tirora TPP Ph-II	Adani Power Ltd	U-1			660	-	02/13	Slipped	-
	GEPL TPP	GEPL Pvt. Ltd.	U-2	Mar-09	Chinese	-	60	-	28.04.12(A)	-
	GEPL TPP	GEPL Pvt. Ltd.	U-1	-	Chinese	-	60	-	08.09.12(A)	09.05.2012
	Amaravathi TPP Ph-I	Indiabulls	U-1	-	BHEL	-	270	-	25.03.13(A)	03.06.2013
MP	Bina TPP	Bina Power Ltd.	U-1	Sep-08	BHEL	250	250	09/12	12.08.12(A)	30.08.2012
	Bina TPP	Bina Power Ltd.	U-2	Sep-08	BHEL	-	250	-	31.03.13(A)	07.04.2013
	Mahan	Essar Power Ltd.	U-1	-	Chinese	-	600	-	24.02.13(A)	29.04.2013
Orissa	Sterlite TPP	Sterlite Energy Ltd.	U-4	Sep-08	Chinese	600	600	06/12	25.04.12(A)	26.04.2012
	Kamalanga TPP		U-1	-	Chinese	-	350		29.03.13(A)	25.03.2014
Rajasthan	Jallipa- Kapurdi TPP	Raj west power Ltd (JSW)	U-5	Mar-07	Chinese	135	135	03/13	05.02.13(A)	05.02.2013
			U-6	Apr-07	Chinese	-	135	-	03.03.13(A)	03.03.2013
			U-7	Jun-07	Chinese	-	135	-	16.03.13(A)	16.03.2013
			U-8	May-07	Chinese	-	135	-	28.02.13(A)	28.02.2013
TN	Tuticorin TPP	Ind Barath	U-1	-	Chinese	-	150	-	10.03.13(A)	07.02.2013
Total -Private Sector						**7180**	**11187.5**			
Total for the year 2012-13						**15154.3**	**20121.8**			

2.2 Thermal Capacity Addition Target/ Achievement for the Year 2013-14

State	Project Name	Impl Agency	Unit No	LOA Date	BTG Supplier	Targeted Cap. (MW)	Actual Cap. comm. (MW)	Actual Comm. Date	At the beginning of the year	COD
CENTRAL SECTOR										
Bihar	Barh STPP St-II	NTPC	4	03/08& 10/08	BHEL	660	660	30/11/13	12/13	15.11.2014
TN	Vallur TPP Ph-I	NTPC/ NTECL/ TNEB-JV	3	07/09	BHEL	500	500	28.02.2014	03/14	26.02.2015
TN	Tuticorin TPP	NLC/ TNEB-JV	1	01/09	BHEL	500	-	Slipped	03/14	-
Tripura	Tripura CCGT	ONGC JV	Blk-2	06/08	BHEL	363.3	-	Slipped	09/13	-
UP	Rihand STPP St-III	NTPC	6	02/09	BHEL	500	500	7/10/2013	12/13	March 2014
WB	Raghunathpur TPP	DVC	1	12/07	CHINA	600		Slipped	03/14	-
					Total Central Sector	**3123.3**	**1660**			
STATE SECTOR										
Chhattisgarh	Marwa TPP	CSEB	1	04/08	BHEL	500	500	30.03.2014	09/13	-
Delhi	Pragati St-III CCGT	PPCL	GT-4	05/08	BHEL	250	250	7/5/2013	06/13	27.02.2014
Delhi	Pragati St-III CCGT	PPCL	ST-2	05/08	BHEL	250	250	26.02.2014	09/13	27.03.2014
Gujarat	Pipavav JV CCGT	GSECL	Block-1	12/07	BHEL	351	351	05/02/2013	09/13	-
MP	Shree Singaji TPP(Malwa TPP)	MPPGCL	1	12/08	BHEL	600	600	18/11/2013	06/13	February 2014
MP	Satpura TPS Extn.	MPPGCL	11	03/08	BHEL	250	250	25/12/2013	10/13	16.03.2014
Maharashtra	Chandrapur TPS Extn.	MAHAGENCO	8	07/08	BHEL	500	-	Slipped	12/13	-
Rajasthan	Kalisindh TPP	RRVUNL	1	07/08	SEPCO, CHINA	600	-	Slipped	12/13	-
Rajasthan	Chhabra TPS Extn.	RRVUNL	3	08/08	BHEL	250	250	14/09/13	06/13	19.12.2013
Rajasthan	Chhabra TPS Extn.	RRVUNL	4	08/08	BHEL	250	-	Slipped	01/14	-
Rajasthan	Ramgarh CCPP	RRVUNL	ST	08/09	BHEL	50	-	Slipped	12/13	-
TN	North Chennai TPS Extn.	TNEB	1	08/08	BHEL	600	600	13/09/13	09/13	20.03.2014
					Total -State Sector	**4451**	**3051**			
PRIVATE SECTOR										
AP	Vizag TPP	Hinduja	1	03/10	BHEL	520	-	-	03/14	-
AP	Thammina-patnam TPP	Meena-kshi Energy	2	08/09	Chinese	150	150	17/04/13	09/13	30.04.2013
Chhattisgarh	Tamnar TPP	Jindal Power	1	12/08	BHEL	600	600	10.03.2014	03/14	14.03.2014
Chhattisgarh	Vandana Vidyut TPP	Vandana Vidyut TPP	1	05/08	BOILER: CETHAR VESSELS LTD TG: CNAIC, CHINA	135	-	Slipped	06/13	-
Chhattisgarh	DB Power TPP	DB Power Ltd	1	05/10	BHEL	600	600	23.02.2014	12/13	03.11.2014
Chhattisgarh	Swastik Korba TPP	ACB	1	02/10	BOILER: IJT; TURBINE: SIEMENS	25	-	Slipped	12/13	-
Chhattisgarh	Akaltara TPP	KSK Mahanadi	1	04/09	SEC,CHIINA	600	600	13/08/13	09/13	14.08.2013
MP	Sasan UMPP	Reliance Power	3	06/08	SEC, CHINA	660	660	30/5/13	05/13	-
MP	Sasan UMPP	Reliance Power	2	06/08	SEC, CHINA	660	660	18/12/13	09/13	-
Maharashtra	Nasik TPP Ph-I	India Bulls	1	11/09	BHEL	270	270	25.02.2014	09/13	29.03.2014
Maharashtra	Dhariwal Infrastructure (P) Ltd.TPP	Dhariwal Infra-structure (P) Ltd.	1	04/10	SEC, CHINA	300	300	3/11/2013	06/13	13.02.2014
Maharashtra	Dhariwal Infrastructure (P) Ltd.TPP	Dhariwal Infra-structure (P) Ltd.	2	04/10	SEC, CHINA	300	-	Slipped	12/13	-
Maharashtra	EMCO Warora TPP	GMR EMCO Energy Ltd.	2	09/09	SEC, CHINA	300	300	27/08/2013	06/13	01.09.2013
Maharashtra	Tirora TPP Ph-II	Adani Power	1	02/08	SCMEC, CHINA	660	660	10/6/2013	06/13	14.06.2013

State	Project Name	Impl Agency	Unit No	LOA Date	BTG Supplier	Targeted Cap. (MW)	Actual Cap. comm. (MW)	Actual Comm. Date	At the beginning of the year	COD
Orissa	Derang TPP	Jindal India Thermal Power	1	07/09	BHEL	600	-	Slipped	12/13	-
Orissa	Kamalang TPP	GMR Energy	2	08/08	SEPCO III, CHNA	350	350	28/09/13	09/13	12.11.2013
Punjab	Goindwal Sahib TPP	GVK Industries	1	02/09	BHEL	270	-	Slipped	06/13	-
Punjab	Talwandi Sahib TPP	Sterlite	1	07/09	SEPCO I, CHINA	660	-	Slipped	01/14	-
					Total -Private Sector	**7660**	**5150**			
					Total for during the year 2013-14	**15234.3**	**9861**			
Additional Capacity Commissioned										
Tripura	Rokhia GT	Tripura State Electricity Corporation Ltd.)	9	-	BHEL	-	21	31/08/2013	-	-
Rajasthan	Kawai TPP	Adani Power Rajasthan Ltd.	1	04/10	Chinese	-	660	28/05/2013	-	31.05.2013
Rajasthan	Kawai TPP	Adani Power Rajasthan Ltd.	2	04/10	Chinese	-	660	24/12/2013	-	31.05.2014
MP	BLA Power (Niwari) TPP	BLA Power Pvt.Ltd	1	-	Boiler –ISGEC Turbine- SIEMENS	-	45	24/03/2012	-	03.042012
TN	Tuticorin Indbarath	Indbarath Ltd	2	-	Chinese	-	150	30/12/2013	-	15.03.2014
Punjab	Rajpura TPP	Nabha Power	1	Jul-10	L&T	-	700	24/01/2014	-	01.02.2014
Gujarat	Dgen CCPP	Torrent Power	Block-I	Jul-10	Siemens Germany	-	400	12/01/2014	-	-
Maharashtra	Amaravati TPP Ph-I	India bulls Power Ltd	2	Nov-09	BHEL	-	270	17.02.2014	-	28.03.2014
AP	Simhapuri TPS Ph-II	Simhapuri Energy Pvt Ltd	3	Mar-10	Chinese	-	150	21.02.2014	-	26.02.2014
Gujarat	Dgen CCPP	Torrent Power	Block-3	Jul-10	Siemens Germany	-	400	09/03/2014	-	-
Orissa	Kamalang TPP	GMR Energy	3	08/08	SEPCO III, CHNA	-	350	21/03/14	-	25.03.2014
Maharashtra	Tirora TPP Ph-II	Adani Power	2	02/08	SCMEC, CHINA	-	660	23/3/2014	-	31.03.2014
MP	Sasan UMPP	Reliance Power	4	06/08	SEC, CHINA	-	660	25/03/14	-	12.04.2014
Chhattisgarh	Tamnar TPP	Jindal Power	2	12/08	BHEL	-	600	30.03.2014	-	31.03.2014
Chhattisgarh	Chakabura TPP	ACBIL	1	-	Chinese	-	30	28.03.2014	-	30.03.2014
West Bengal	Durgapur TPS Extn	DPL	8	-	BHEL	-	250	31.03.2014	-	-
Chhattisgarh	Avantha Bhandar TPP	KWPCL	1	-	BHEL	-	600	31.03.2014	-	01.04.2014
Maharashtra	Butibori TPP	Vidarbha Industries Power Ltd	1	-	Chinese	-	300	19.03.2013	-	28.03.2014
					Total Additional Thermal Capacity in 2013-14		**6906**			
					TOTAL THERMAL CAPACITY ADDITION in 2013-14		**16767**			

2.3 Thermal Capacity Addition Target/ Achievement for the Year 2014-15

State	Project Name	Impl Agency	Equip. Supplier	Fuel	Unit No	LOA date	Targeted Cap. (MW)	Actual Cap .comm. (MW)	Actual Comm. Date	At the beginning of the year	COD
CENTRAL SECTOR											
Bihar	Barh STPP-II	NTPC	BHEL	Coal	U-5	SG:03/2008 TG:10/2008	660	660	04.03.2015	Feb-15	18.02.2016
	Muzaffarpur TPS Exp	KBUNL (JV of NTPC & BSEB)	BHEL	Coal	U-3	03/2010	195	195	31.03.2015	Mar-15	18.03.2017
TN	Tuticorin TPP	NTPL(JV of NLC & TANGEDCO)	BHEL	Coal	U-1	28.01.09	500	500	10.03.2015	Oct-14	18.06.2015
			BHEL	Coal	U-2		500	-	-	Feb-15	-
Tripura	Palatana CCPP	OTPC (JV of ILFS, ONGC & Tripura Govt)	BHEL	Gas	BLK-2	23.06.08	363.3	363.3	16.11.2014	Aug-14	-
WB	Raghunathpur TPP, Ph-I	DVC	Chinese	Coal	U-1	14.12.2007	600	600	24.08.2014	Aug-14	31.03.2016
						Total Central Sector	**2818.3**	**2318.3**			
STATE SECTOR											
AP	Damodaram Sanjeevaiah TPP	APPDCL	Blr- BHEL TG- L&T	Coal	U-1	SG:08/2008 TG:09/2008	800	800	28.08.2014	Jun-14	05.02.2015
					U-2		800	800	17.03.2015	Jan-15	24.08.2015
Chhattisgarh	Marwa TPP	CSPGCL	BHEL	Coal	U-2	11.04.08	500	-	Slipped	Dec-14	-
Maharashtra	Chandrapur TPS	MSPGCL	BHEL	Coal	U-8	25.07.08	500	500	29.03.2015	Oct-14	04.06.2016
	Koradi TPS Expn.	MSPGCL	L&T	Coal	U-8	23.09.09	660	660	30.03.2015	Oct-14	16.12.2015
	Koradi TPS Expn.	MSPGCL	L&T	Coal	U-9		660	-	Slipped	Jan-15	-
	Parli TPS Expn.	MSPGCL	BHEL	Coal	U-8	21.01.09	250	-	Slipped	Nov-14	-
MP	Malwa TPP (Shree Singaji)	MPPGCL	BHEL	Coal	U-2	12.12.08	600	600	15.10.2014	Sep-14	01.01.2015
Rajasthan	Kalisindh TPP	RRVUNL	Chinese	Coal	U-1	09.07.08	600	600	02.05.2014	Jun-14	01.06.2014
	Kalisindh TPP		Chinese	Coal	U-2		600	-	Slipped	Jan-15	-
	Ramgarh CCPP		BHEL	Gas	ST	18.08.09	50	50	01.05.2014	Jul-14	-
	Chhabra TPP		BHEL	Coal	U-4	20.08.08	250	250	30.06.2014	Jun-14	30.12.2014
UP	Anpara-D TPS	UPRVUNL	BHEL	Coal	U- 6	27.10.07	500	-	Slipped	Mar-15	-
						Total State Sector	**6770**	**4260**			
PRIVATE SECTOR											
AP	Painampuram TPP	Thermal Power Tech Corp.Ltd	Chinese	Coal	U-1	09/2010	660	660	07.02.2015	Dec-14	02.03.2015
	Vizag TPP	Hinduja National Power Corp.Ltd	BHEL	Coal	U-1	03/2010	520	-	Slipped	Oct-14	-
Chhattisgarh	Swastic Korba TPP	ACB India Ltd.	Blr:ISGEC India TG:Siemens	Coal	U-1	29.03.10	25	25	31.03.2015	Nov-14	-
	Salora TPP	Vandana Vidyut Ltd	Chinese	Coal	U-1	11/2008	135	135	10.04.2014	Sep-14	01.05.2014
	Bandakhar TPP	Maruti Clean coal	Chinese	Coal	U-1	-	300	-	Slipped	Jan-15	-
Maharashtra	Amravati TPP Ph-I	India Bulls Power Ltd	BHEL	Coal	U-3	30.11.09	270	270	29.01.2015	Oct-14	03.02.2015
Maharashtra	Nasik TPP Ph-I	India Bulls Realtech	BHEL	Coal	U-2	24.11.09	270	-	Slipped	Jul-14	-
Maharashtra	Dhariwal TPP	Dhariwal Infrastucture Ltd	Chinese	Coal	U-2	28.04.10	300	300	28.05.2014	Jun-14	02.08.2014
Orissa	Derang TPP	JIPL	BHEL	Coal	U-1	26.07.09	600	600	10.05.2014	Jun-14	06.06.2014
Punjab	Rajpura TPP (Nabha)	Nabha Power Ltd	L&T	Coal	U-2	16.07.10	700	700	06.07.2014	Jul-14	01.08.2014
Punjab	Talwandi Sabo TPP	M/s Sterlite	Chinese	Coal	U-1	18.07.09	660	660	17.06.2014	May-14	01.08.2014
Punjab	Talwandi Sabo TPP	M/s Sterlite	Chinese	Coal	U-2	18.07.09	660	-	Slipped	Sep-14	-
WB	Haldia TPP	M/s Haldia Energy Ltd.	Chinese	Coal	U-1	14.09.11	300	300	14.01.2015	Dec-14	28.01.2015
						Total Private Sector	**5400**	**3650**			
						Total during 2014-15	**14988.3**	**10228.3**			

Additional Capacity Commissioned during 2014-15

State	Project Name	Impl Agency	Equip. Supplier	Fuel	Unit No	LOA date	Targeted Cap. (MW)	Actual Cap .comm. (MW)	Actual Comm. Date	At the beginning of the year	COD
Central Sector											
TN	Neyveli TPS Ph-II Exp	NLC	BHEL	Coal	U-2	-	-	250	24.01.2015	-	22.04.2015
Tripura	Monarchak gas power project	NEEPCO	BHEL	Gas	GT	-	-	65.4	30.03.2015	-	-
Tripura	Agartala CCPP	NEEPCO	Thermax	Gas	ST-2	-	-	25.5	22.03.2015	-	-
Total Central Sector (Addition in 2014-15)								**340.9**			
State Sector											
Gujarat	Dhuvaran CCPP	GSECL	Siemens Germany	Gas	Uniit 1	-	-	376.1	21.05.2014	-	-
Total Sate Sector (Additional in 2014-15)								**376.1**			
Private Sector											
Gujarat	D gen CCPP	Torrent Power	Siemens Germany	Gas	Block-II	02.07.2010	-	400	23.04.2014	-	-
MP	Sasan UMPP	SPL	Chinese	Coal	4th Unit (Unit-1)	-	-	660	21.05.2014	-	27.05.2014
MP	Sasan UMPP	SPL	Chinese	Coal	Unit-5	-	-	660	24.08.2014	-	26.12.2014
Chhattisgarh	Akaltara TPP	KSK	Chinese	Coal	Unit-2	-	-	600	22.08.2014	-	26.08.2014
MP	Nigrie TPP	JPVL	L&T	Coal	Unit-1	-	-	660	29.08.2014	-	03.09.2014
Maharashtra	Tirora TPP Ph-II	Adani Power Maharashtra Pvt Ltd	Chinese	Coal	Unit-3	05.11.2009	-	660	25.09.2014	-	11.10.2014
TN	Mutiara TPP	Coastal Energen	Chinese	Coal	Unit-1	25.02.2009	-	600	02.12.2014	-	23.12.2014
Chhattisgarh	Tamnar TPP (Raigarh)	Jindal Power	BHEL	Coal	Unit-3	-	-	600	07.01.2015	-	15.01.2015
Orissa	Derang TPP	JIPL	BHEL	Coal	U-2	-	-	600	24.01.2015	-	12.02.2015
WB	Haldia TPP	M/s Haldia Energy Ltd.	Chinese	Coal	U-2	-	-	300	16.02.2015	-	21.02.2015
MP	Nigrie TPP	JP Ventures Ltd	Non-BHEL	Coal	U-2	-	-	660	17.02.2015	-	21.02.2015
Chhattisgarh	Raikhera TPP	GMR	Chinese	Coal	U-1	-	-	685	27.02.2015	-	01.06.2015
Maharashtra	Amravati TPP Ph-I	India Bulls Power Ltd	BHEL	Coal	U-4	30.11.09	-	270	04.03.2015	-	08.03.2015
AP	Simhapuri	Simhapuri Energy Pvt Ltd	Chinese	Coal	U-4	-	-	150	07.03.2015	-	31.03.2015
Maharashtra	Amravati TPP Ph-I	India Bulls Power Ltd	BHEL	Coal	U-5	30.11.09	-	270	12.03.2015	-	13.03.2015
MP	Sasan UMPP	SPL	Chinese	Coal	Unit-6	-	-	660	19.03.2015	-	27.03.2015
Chhattisgarh	DB Power TPP	DB Power Ltd	BHEL	Coal	Unit-2	-	-	600	24.03.2015	-	-
Chhattisgarh	Tamnar TPP (Raigarh)	Jindal Power	BHEL	Coal	Unit-4	-	-	600	26.03.2015	-	-
Gujarat	Sikka TPP Extn	GSECL	BHEL	Coal	U-3	-	-	250	28.03.2015	-	14.09.2015
Total Private Sector (Additional in 2014-15)								**9885**			
Additional Capacity Commissioned during 2014-15								**10602**			
TOTAL THERMAL CAPACITY ADDITION in 2014-15								**20830.3**			

2.4 Thermal Capacity Addition Target/ Achievement for the Year 2015-16

State	Project Name	Impl Agency	Unit No	BTG Supplier	Cap. (MW)	Anti. Comm. (beginning of the year)	Now Anti. Comm.	Cap. Add (MW)	Actual Date of Comm.	COD
CENTRAL SECTOR										
Assam	Bongaigaon TPP	NTPC	U-1	BHEL	250	06/2015	-	250	22.06.15(A)	01.04.2016
Bihar	Muzafferpur	NTPC	U-4	BHEL	195	02/2016	Slipped	-	-	-
Bihar	Nabi Nagar TPP	NTPC	U-1	BHEL	-	-	-	250	20.03.16(A)	15.01.2017
Jharkhand	Bokaro TPS "Ä" Exp.	DVC	U-1	BHEL	-	-	-	500	22.03.16(A)	23.02.2017
Maharashtra	Mouda STPP-II	NTPC	U-3	BHEL	-	-	-	660	28.03.16(A)	01.02.2017
MP	Vindhyachal TPP-V	NTPC	U-13	BHEL	500	12/2015	-	500	06.08.15(A)	30.10.2015
Tripura	Agratala STG	NEEPCO	ST-2	Thermax	25.5	05/2015	Slipped	-	-	-
Tripura	Monarchak CCPP	NEEPCO	ST	BHEL	35.6	08/2015	-	35.6	14.01.16(A)	-
TN	Tuticorin TPP	NLC	U-2	BHEL	500	07/2015	-	500	09.07.15(A)	29.08.2015
WB	Raghunathpur TPP,Ph-I	DVC	U-2	Chinese	600	01/2016	-	600	18.01.16(A)	31.03.2016
				Total Central Sector	**2106.1**			**3295.6**		
STATE SECTOR										
Chhattisgarh	Marwa TPP	CSPGCL	U-2	BHEL	500	09/2015	Slipped	-	-	-
Gujarat	Sikka TPS	GSECL	U-4	BHEL	250	12/2015	-	250	25.09.15(A)	28.12.2015
Karnataka	Bellary TPS St-III	KPCL	U-3	BHEL	700	12/2015	-	700	01.03.16(A)	16.09.2017
Karnataka	Yermarus TPP	KPCL	U-1	BHEL	800	01/2016	-	800	29.03.16(A)	07.03.2017
Maharashtra	Chandrapur TPS	MSPGCL	U-9	BHEL	500	10/2015	-	500	21.03.16(A)	24.11.2016
Maharashtra	Koradi TPS Expn.	MSPGCL	U-9	L&T	660	09/2015	-	660	15.03.16(A)	22.11.2016
Maharashtra	Koradi TPS Expn.	MSPGCL	U-10	L&T	660	02/2016	Slipped	-	-	-
Maharashtra	Parli TPS	MSPGCL	U-8	BHEL	250	01/2016	-	250	30.03.16(A)	30.11.2016
Rajasthan	Kalisindh TPP	RVUNL	U-2	Chinese	600	05/2015	-	600	06.06.15(A)	25.07.2015
Telangana	Singareni TPP	Singareni Collieries Co Ltd	U-1	BHEL	600	01/2016	-	600	13.03.16(A)	25.09.2016
Telangana	Kakatiya TPS Extn.	T GENCO	U-1	BHEL	600	12/2015	-	600	31.12.15(A)	24.03.2016
UP	Anpara-D TPS	UPRVUNL	U- 6	BHEL	500	06/2015	-	500	06.06.15(A)	08.05.2016
UP	Anpara-D TPS	UPRVUNL	U- 7	BHEL	500	12/2015	-	500	06.03.16(A)	18.10.2016
WB	Sagardighi TPS-Extn	West Bengal	U-3	BHEL	500	09/2015	-	500	14.12.15(A)	-
WB	Sagardighi TPS-Extn	West Bengal	U-4	BHEL	500	01/2016	Slipped	-	-	-
				Total State Sector	**8120**			**6460**		
PRIVATE SECTOR										
AP	Painampuram TPP	Thermal Power Tech Corporation Ltd	U-2	Chinese	660	08/2015	-	660	03.09.15(A)	15.09.2015
AP	Vizag TPP	Hinduja National Power Corp. Ltd	U-1	BHEL	520	10/2015	-	520	27.12.15(A)	11.01.2016
AP	Lanco Kondapalli Extn. Ph-III (PS)	Lanco Kondapalli Power Co.Ltd	Block-I	Others	-	-	-	371	07.08.15(A)	-
AP	Lanco Kondapalli Extn. Ph-III (PS)	Lanco Kondapalli Power Co.Ltd	Block-II	Others	-	-	-	371	05.09.15(A)	-
AP	Vemagiri CCPP-II (PS)	GMR Rajahmundry Energy Ltd.	Block-I	Others	-	-	-	384	12.09.15(A)	-
AP	Vemagiri CCPP-II (PS)	GMR Rajahmundry Energy Ltd.	Block-II	Others	-	-	-	384	05.10.15(A)	-
AP	Vizag TPP	Hinduja National Power Corp. Ltd	U-2	BHEL	-	-	-	520	30.03.16(A)	03.07.2016
Chhattisgarh	Bandakhar TPP	M/s Maruti Clean (Chhattisgarh) Ltd.	U-1	Chinese	300	06/2015	-	300	19.06.15(A)	-
Chhattisgarh	Uchpinda TPP	RKM Powergen Pvt. Ltd	U-1	Chinese	360	06/2015	-	360	28.10.15(A)	27.11.2015
Chhattisgarh	Uchpinda TPP	RKM Powergen Pvt. Ltd	U-2	Chinese	-	-	-	360	28.01.16(A)	12.02.2016
Chhattisgarh	BALCO TPP	BALCO Pvt Ltd	U-1	Chinese	300	06/2015	-	300	05.06.15(A)	11.07.2015
Chhattisgarh	BALCO TPP	BALCO Pvt Ltd	U-2	Chinese	300	09/2015	-	300	24.03.16(A)	30.03.2016
Chhattisgarh	Raikheda TPP	GMR	U-2	Doosan (Non-BHEL	685	12/2015	-	685	28.03.16(A)	-
Chhattisgarh	Salora	Vandana Vidyut	U-2	Chinese	135	09/2015	Slipped	-	-	-
Maharashtra	Nasik TPP Ph-I	Ratan India (Nasik) Power Ltd	U-2	BHEL	270	01/2016	Slipped	-	-	-
MP	Anuppur TPP Ph-I	MB Power(MP)	U-1	Chinese	600	06/2015	-	600	20.04.15(A)	20.05.2015
M.P	Seioni TPP Ph-I	Jhabua Power Ltd	U-1	BHEL	-	-	-	600	22.03.16(A)	03.05.2016
MP	Anuppur TPP Ph-I	MB Power(MP)	U-2	Chinese	-	-	-	600	30.03.16(A)	07.04.2016
Orissa	Ind Bharat TPP (Orissa)	Ind Barath	U-1	Chinese	350	10/2015	-	350	25.02.16(A)	20.07.2016
Punjab	Talwandi Sabo TPP	Talwandi Sabo Power Ltd	U-2	Chinese	660	06/2015	-	660	30.10.15(A)	25.11.2015

State	Project Name	Impl Agency	Unit No	BTG Supplier	Cap. (MW)	Anti. Comm. (beginning of the year)	Now Anti. Comm.	Cap. Add (MW)	Actual Date of Comm.	COD
Punjab	Talwandi Sabo TPP	Talwandi Sabo Power Ltd	U-3	Chinese	660	12/2015	-	660	29.03.16(A)	25.08.2016
Punjab	Goindwal Sahib TPP	GVK Power	U-1	BHEL	-	-	-	270	14.02.16(A)	06.04.2016
Punjab	Goindwal Sahib TPP	GVK Power	U-2	BHEL	-	-	-	270	15.03.16(A)	16.04.2016
TN	ITPCL TPP	IL&FS TN PC.Ltd	U-1	Chinese	-	-	-	600	19.09.2015	29.09.2015
TN	Melamaruthur (Mutiara)	Coastal Energen	U-2	Chinese	-	-	-	600	02.01.16(A)	15.01.2016
UP	Lalitpur TPP	Lalitpur power Generation Co. Ltd	U-1	BHEL	660	-	-	660	26.03.16(A)	01.10.2015
UP	Lalitpur TPP	Lalitpur power Generation Co. Ltd	U-2	BHEL	-	09/2015	-	660	08.01.16(A)	14.10.2016
UP	Prayagraj (Bara) TPP	Prayagraj power Gen. Co. Ltd(J.P.Power Ventures)	U-1	BHEL	660	10/2015	-	660	25.12.15(A)	29.02.2016
				Total Private Sector	**7120**			**12705**		
				Total Grand Thermal Capacity in 2015-16	**17346.1**			**22460.6**		

2.5 Thermal Capacity Addition Target/ Achievement for the Year 2016-17

State	Project	Unit	Imp Agency	BTG Supplier	Capacity (MW)	Anticipated Commng. Schedule	Actual date of comm.	Capacity Achieved	COD
	CENTRAL SECTOR								
Bihar	Nabinagar TPP	U-2	NTPC	BHEL	250	Slipped	-	-	-
Bihar	Kanti TPS St-II	U-4	NTPC	BHEL	195	-	24.03.2017	195.0	01.07.2017
Chhattisgarh	Lara STPP	U-1	NTPC	NON BHEL	800	Slipped	-	-	-
Karnataka	Kudgi TPP	U-1	NTPC	NON BHEL	800	-	25.12.2016	800.0	31.07.2017
Maharashtra	Mauda STPP-II	U-4	NTPC	BHEL	660	-	18.03.2017	660.0	18.09.2017
Tripura	Agartala Gas Based Power Project	ST-1	NEEPCO	NON BHEL	25.5	-	23.08.2016	25.5	-
				Total Central Sector	2730.5			**1680.5**	
	STATE SECTOR								
Assam	Namrup CCGT	GT	APGCL	BHEL	70	-	11.01.2017	62.25	-
Assam	Namrup CCGT	ST	APGCL	BHEL	30	Slipped	-	-	-
Bihar	Barauni TPP,	U-8	BSEB	BHEL	250	Slipped	-	-	-
Chhattisgarh	Marwa TPS	U-2	CSPGCL	BHEL	500	-	15.07.2016	500.0	31.07.2016
Gujarat	Bhavnagar TPP	U-1	BECL	BHEL	250	-	16.05.2016	250.0	-
Gujarat	Bhavnagar TPP	U-2	BECL	BHEL	250	-	27.03.2017	250.0	-
Karnataka	Yermarus TPP	U-2	KPCL	BHEL	800	-	29.03.2017	800.0	06.04.2017
Maharashtra	Koradi TPP	U-10	MSPGCL	NON BHEL	660	-	28.12.2016	660.0	17.01.2017
Telangana	Singreni TPP	U-2	SCCL	BHEL	600	-	25.11.2016	600.0	02.12.2016
West Bengal	Sagardighi TPS-II	U-4	WBPDCL	BHEL	500	-	15.12.2016	500.0	-
				Total State Sector	3910			**3622.25**	
	PRIVATE SECTOR								
Andhra pradesh	Sembcorp Gayatri Pvt.ltd.(NCC TPP)	U-1	SGPL	NON BHEL	660	-	12.11.2016	660.0	17.11.2016
Andhra pradesh	Sembcorp Gayatri Pvt.ltd.(NCC TPP)	U-2	SGPL	NON BHEL	660	-	15.02.2017	660.0	21.02.2017
Chhattisgarh	Nawapara TPP	U-1	TRN	CHINESE	300	-	14.08.2016	300.0	19.08.2016
Chhattisgarh	Nawapara TPP	U-2	TRN	CHINESE	300	Slipped	-	-	-
Chhattisgarh	Ucchpinda TPP	U-3	RKM	CHINESE	360	Slipped	-	-	-
Chhattisgarh	Binjkote TPP	U-1	SKS	NON BHEL	300	Slipped	-	-	-
Chhattisgarh	Athena Singhitarai TPP	U-1	Athena Chhattisgarh	NON BHEL	600	Slipped	-	-	-
Maharashtra	Nashik TPP, Ph-I	U-2	Rattan Power	BHEL	270	-	15.02.2017	270.0	-
Maharashtra	Nashik TPP, Ph-I	U-3	Rattan Power	BHEL	270	Slipped	-	-	-
Orissa	Utkal TPP	U-2	Ind Barath	NON BHEL	350	Slipped	-	-	-
Orissa	Lanco Babandh TPP	U-1	Lanco Babandh	NON BHEL	660	Slipped	-	-	-
Tamilnadu	ITPCL TPP	U-2	ILFS	NON BHEL	600	-	18.04.2016	600.0	30.04.2016
Uttar pradesh	Bara TPP	U-2	Jaypee	BHEL	660	-	06.09.2016	660.0	10.09.2016
Uttar pradesh	Lalitpur TPP	U-3	LPGCL	BHEL	660	-	01.04.2016	660.0	23.12.2016
West Bengal	Hiranmaye Energy TPP	U-1	Hiranmaye Energy Limited	BHEL	150	Slipped	-	-	-
				Total Private Sector	**6800**			**3810.0**	
				Total Thermal	**13440.5**			**9112.75**	
ADDITIONAL PROJECTS COMMISSIONED IN RFD 2016-17									
	CENTRAL SECTOR								
Assam	Bongaigaon TPP	U-2	NTPC	BHEL	-	-	22.03.2017	250.0	01.11.2017
Karnataka	Kudgi TPP	U-2	NTPC	NON BHEL	-	-	23.03.2017	800.0	31.12.2017
Uttar Pradesh	Unchahar TPS ST-IV	U-6	NTPC	BHEL	-	-	31.03.2017	500.0	-
	PRIVATE SECTOR								
Chhattisgarh	Ratija TPP -II	U-2	Spectrum Coal&Power Ltd	Non-BHEL	-	-	10.11.2016	50.0	-
Uttrakhand	GAMA CCPP	Module-1 (GT1&2+ST)	M/s GAMA Infraprop Ltd.	Others	-	-	25.04.2016	225.0	-
Uttrakhand	Kashipur CCPP	Blk-I	Srawanthi Energy Pvt.Ltd	Others	-	-	20.11.2016	225.0	-
Maharashtra	Mangaon CCPP	Block-I	M/s PGPL	Others	-	-	14.07.2016	388.0	-
				Total Additional Projects Commissioned in 2016-17				**2438.0**	
				Total Grand Thermal Capacity in 2016-17	**13440.5**			**11550.75**	

2.6 Thermal Capacity Addition Target/ Achievement for the Year 2017-18

State	Project Name	Impl Agency	Equipment Supplier	Unit No.	Targeted Cap. (MW)	Anti. Comm Date at beginning of year	Anti. Comm Date (At present)	Actual Date of Comm	Capacity Achieved (MW)	COD
CENTRAL SECTOR										
Assam	Bongaigaon TPP	NTPC	BHEL	3	250	Dec-17	Slipped	-	-	-
Bihar	Nabi Nagar TPP	JV of NTPC &Rly	BHEL	2	250	Apr-17	-	03.04.2017	250.00	10.09.2017
Bihar	New Nabi Nagar TPP	JV of NTPC & BSPGCL	NON BHEL	1	660	Aug-17	Slipped	-	-	-
Chhattisgarh	Lara TPP	NTPC	NON BHEL	1	800	Oct-17	-	23.03.2018	800.00	-
Karnataka	Kudgi STPP Ph-I	NTPC	NON BHEL	3	800	Aug-17	-	12.03.2018	800.00	-
MP	Gadarwara STPP,St-I	NTPC	BHEL	1	800	Jan-18	Slipped	-	-	-
Maharashtra	Solapur STPP	NTPC	NON BHEL	1	660	Apr-17	-	07.04.2017	660.00	25.09.2017
UP	Meja STPP	JV of NTPC & UPRVUNL	NON BHEL	1	660	Oct-17	-	31.03.2018	660.00	-
TOTAL CENTRAL SECTOR					**4880**				**3170.00**	
STATE SECTOR										
AP	Rayal seema TPP	APGENCO	BHEL	6	600	Aug-17	-	12.03.2018	600.00	29.03.2018
Assam	Namrup	APGCL	BHEL	ST	36.15	Feb-18	Slipped	-	-	-
MP	Shree Singaji TPP, St-II	MPPGCL	NON BHEL	3	660	Dec-17	Slipped	-	-	-
Rajasthan	Suratgarh TPS	RRVUNL	BHEL	7	660	Nov-17	Slipped	-	-	-
Rajasthan	Chhabra SCTPP	RRVUNL	L&T & MHI	5	660	Apr-17	-	04.04.2017	660.00	-
Rajasthan	Chhabra SCTPP	RRVUNL	L&T & MHI	6	660	Jan-18	Slipped	-	-	-
Telangana	Bhadradri TPP	TGENCO	BHEL	1	270	Mar-18	Slipped	-	-	-
TOTAL STATE SECTOR					**3546.15**				**1260.00**	
PRIVATE SECTOR										
Chhattisgarh	Akaltara (Naiyara) TPP	KSK Mahandi Power Company Ltd	CHINESE	3	600	Nov-17	-	18.01.2018	600.00	28.02.2018
Chhattisgarh	Binjkote TPP	SKS Power Generation (Chhattisgarh) Ltd	CHINESE	1	300	May-17	-	25.04.2017	300.00	-
Chhattisgarh	Nawapara TPP	TRN Energy	CHINESE	2	300	May-17	-	18.04.2017	300.00	01.05.2017
Chhattisgarh	Lanco Amarkantak TPS-II	LAP Pvt. Ltd.	CHINESE	3	660	Nov-17	Slipped	-	-	-
Maharashtra	Nasik TPP Ph-I	RattanIndia Nasik Power Ltd	BHEL	3	270	May-17	-	14.04.2017	270.00	-
UP	Bara TPP	Prayagraj Power Generation Co.Ltd.	BHEL	3	660	Aug-17	-	22.05.2017	660.00	26.05.2017
WB	Hiranmaye Energy TPP	Hiranmaye Energy Limited	BHEL	1	150	Apr-17	-	07.06.2017	150.00	13.08.2017
TOTAL PRIVATE SECTOR					**2940**				**2280.00**	
ADDITIONAL PROJECTS COMMISSIONED										
PRIVATE SECTOR										
Maharashtra	Nasik TPP Ph-I	RattanIndia Nasik Power Ltd	BHEL	4	-	-	-	19.05.2017	270.00	-
Maharashtra	Nasik TPP Ph-I	RattanIndia Nasik Power Ltd	BHEL	5	-	-	-	30.05.2017	270.00	-
Chhattisgarh	Uchpinda TPP	RKM Powergen Pvt.Ltd.	Chinese	3	-	-	-	12.09.2017	360.00	-
Maharashtra	Shirpur TPP	Shirpur Power Pvt. Ltd.	BHEL	1	-	-	-	28.09.2017	150.00	-
WB	Hiranmaye Energy TPP	Hiranmaye Energy Limited	BHEL	2	-	-	-	31.12.2017	150.00	31.12.2017
Bihar	Barauni Ext.	BSEB	BHEL	8	-	-	-	11.01.2018	250.00	-
Chhattisgarh	Binjkote TPP	SKS Power Generation	CHINESE	2	-	-	-	28.03.2018	300.00	-
Bihar	Barauni Ext.	BSEB	BHEL	9	-	-	-	31.03.2018	250.00	-
TOTAL ADDITIONAL PRIVATE SECTOR									**2000.00**	
TOTAL THERMAL CAPACITY in 2017-18					**11366.15**				**8710.00**	

2.7 Thermal Capacity Addition Target/ Achievement for the Year 2018-19

State	Project Name	Impl Agency	Equipment Supplier	Unit No.	Targeted Cap. (MW)	Anti. Comm Date at beginning of year	Anti. Comm Date (At present)	Actual Date of Capacity addition	Capacity Achieved (MW)	COD
CENTRAL SECTOR										
Assam	Bongaigaon TPP	NTPC	BHEL	3	250	Sept-18	-	-	250.00	26.03.2019
Bihar	Nabi Nagar TPP	JV of NTPC &Rly	BHEL	3	250	Dec-18	-	-	250.00	26.02.2019
Bihar	New Nabi Nagar TPP	JV of NTPC & BSPGCL	NON BHEL	1	660	Jan-19	Slipped	-	-	-
MP	Gadarwara STPP,St-I	NTPC	BHEL	1	800	Jan-18	-	29.03.2019	800.00	02.04.2019
Odisha	Darlipali STPP	NTPC	BHEL	1	800	-	Slipped	-	-	-
TOTAL CENTRAL SECTOR					**2760**				**1300.00**	
STATE SECTOR										
Assam	Namrup CCGT	APGCL	BHEL	ST	36.15	Feb – 19	Slipped	-	-	-
MP	Shri Singhaji TPP St-II	MPGCL	L&T & MHI	3	660	Sept - 18	-	18.11.2018	660.00	18.11.2018
MP	Shri Singhaji TPP St-II	MPPGCL	L&T & MHI	4	660	Feb – 19	-	27.03.2019	660.00	27.03.2019
Odisha	Ib valley TPP	OPGC	BHEL	4	660	March - 19	Slipped	-	-	-
Rajasthan	Chhabra TPP Extn	RRVUNL	L&T & MHI	6	660	Dec – 18	-	29.03.2019	660.00	02.04.2019
Rajasthan	Suratgarh SCTPP	RRVUNL	L&T & MHI	7	660	Dec – 18	Slipped	-	-	-
Karnataka	Yelahanka CCPP	KPCL	BHEL	1	370	Oct – 18	Slipped	-	-	-
Telangana	Kothagudem TPS St-VII	TGENCO	BHEL	-	800	Dec – 19	-	26.12.2018	800.00	26.12.2018
TOTAL STATE SECTOR					**4506.15**				**2780.00**	
ADDITIONAL PROJECTS COMMISSIONED										
Central SECTOR										
Maharashtra	Solapur STPP	NTPC	Non-Bhel	2	-	-		29.03.2019	660.00	30.03.2019
State Sector										
Assam	**Lakwa Replacement Power Project**	**APGCL**	-	-	-	-	-	26.04.2018	**69.755**	**26.04.2018**
Private Sector										
MP	Mahan TPP	Essar Power Ltd	Chinees	2	-	-	-	07.10.2018	600.00	07.10.2018
Chhattisgarh	Uchpinda TPP	R K M PowerGen Ltd	Chinees	4	-	-	-	20.03.2019	360.00	20.03.2019
WB	Dishergarh TPS	IPCL	Non-BHEL		-	-	-	27.03.2019	12.00	25.09.2012*
TOTAL ADDITIONAL PRIVATE SECTOR									**1701.755**	
TOTAL THERMAL CAPACITY in 2018-19					**7266.15**				**5781.755**	

* Dishergarh TPS Achieved COD on 25.09.2012 but intimation received in March'2019 .

2.8 Thermal Capacity Addition Target/ Achievement for the Year 2019-20

State	Project Name	Impl Agency	Equipment Supplier	Unit No.	Targeted Cap. (MW)	Anti. Comm Date at beginning of year	Anti. Comm Date (At present)	Actual Date of Capacity addition	Capacity Achieved (MW)	COD
CENTRAL SECTOR										
Bihar	New Nabi Nagar TPP	JV of NTPC & BSPGCL	NON BHEL	1	660	May-19	-	12.07.2019	660.00	-
Chhatisgarh	Lara STPP	NTPC	BHEL	2	800	Dec-19	Slipped	-	-	-
MP	Gadarwara STPP,St-I	NTPC	BHEL	2	800	Dec-19	Slipped	-	-	-
MP	Khargone STPP	NTPC	BHEL	1	660	Aug-19	-	29.09.2019	660.00	-
MP	Khargone STPP	NTPC	BHEL	2	660	Feb-20	-	24.03.2020	660.00	-
Odisha	Darlipali STPP	NTPC	BHEL	1	800	Aug-19	-	30.12.2019	800.00	-
U.P.	Tanda TPP Stage - II	NTPC	L&T & MHI	1	660	Sep-19	-	28.09.2020	660.00	-
Tamil Nadu	Neyveli New TPP	NLC	BHEL	1	500	Apr-19	-	21.12.2019	500.00	-
Tamil Nadu	Neyveli New TPP	NLC	BHEL	2	500	Oct-19	Slipped	-	-	-
TOTAL CENTRAL SECTOR					**6040**				**3940.00**	
STATE SECTOR										
Andhra Pradesh	Dr.Narla Tata Rao TPS Stage-V	APGENCO	BHEL	8	800	Feb – 20	Slipped	-	-	-
Assam	Namrup CCGT	APGCL	BHEL	ST	36.15	Nov-19	Slipped	-	-	-
Gujarat	Wanakbori TPS Extn.	GSECL	BHEL	-	800	Nov-19	-	12.10.2019	800.00	-
Karnataka	Yelahanka CCPP	KPCL	BHEL	GT+ST	370	Nov - 19	Slipped	-	-	-
Odisha	Ib valley TPP	OPGC	BHEL	3	660	Apr – 19	-	01.07.2019	660.00	-
Odisha	Ib valley TPP	OPGC	BHEL	4	660	Jul - 19	-	17.08.2019	660.00	-
Rajasthan	Suratgarh SCTPP	RRVUNL	L&T & MHI	7	660	Nov -19	-	15.03.2020	660.00	-
Telangana	Bhadradri TPP	TGENCO	BHEL	1	270800	Jan - 20	Slipped	-	-	-
TOTAL STATE SECTOR					**4256.15**				**2780.00**	
ADDITIONAL PROJECTS COMMISSIONED										
Private Sector										
MP	Niwari TPP	BLA Power Ltd	Chinees	2	-	-	-	06.06.20219	45.00	-
TOTAL ADDITIONAL PRIVATE SECTOR									**45.00**	
TOTAL THERMAL CAPACITY in 2019-20					**10296.15**				**6765.00**	

2.9 Thermal Capacity Addition Target/ Achievement for the Year 2020-21

Project Name	Impl Agency	Equipment (BTG) Supplier	LOA Date	Unit No	Fuel	Targeted Cap. (MW)	Org. COD Sched.	Ant. Trial Run/ COD at the Beginning of the year	Achieved Cap. (MW)	Actual/ Ant. Date of Cap. Addition
CENTRAL SECTOR										
Lara STPP	NTPC	SG-Doosan, TG-BGR Hitachi	Dec-12	U-2	Coal	800	May-17	Aug – 20	800	12.07.2020(A)
Gadarwara STPP	NTPC	BHEL	Mar-13	U-2	Coal	800	Sep-17	Sep – 20	800	16.02.2021(A)
Meja STPP	MUNPL (JV of NTPC & UPRVUNL)	SG-BGR Energy, TG-Toshiba	Apr-12	U-2	Coal	660	Feb-17	Oct – 20	660	12.01.2021(A)
Neyveli New TPP	NLC	BHEL	Jun-11	U-2	Lignite	500	Sep-18	Oct-20	500	03.02.2021(A)
Darlipalli STPP St-I	NTPC	SG-BHEL, TG-Toshiba,	Feb-14	U-2	Coal	800	Nov-17	Nov – 20	-	Slipped due to Covid pandemic.
Barh STPP Stage - I	NTPC	Russian	Mar-05	U-1	Coal	660	Aug-09	Nov – 20	-	Slipped due to Covid pandemic.
Tanda TPP St- II	NTPC	SG-L&T TG- Alstom	Sep-14	U-6	Coal	660	Sep-17	Dec – 20	660	31.03.2021(A)
Nabi Nagar STPP	NPGCPL (JV of NTPC & BSPGCL)	SG-BHEL, TG-Alstom	Jan-13	U-2	Coal	660	Jan-17	Jan – 21	660	31.03.2021(A)
Nabi Nagar TPP	BRBCL (JV of NTPC & Railway)	BHEL	Jan-08	U-4	Coal	250	Apr-12	Feb – 21	-	Slipped due to Covid pandemic.
Total Central Sector						**5790**			**4080**	
STATE SECTOR										
Namrup CCGT	APGCL	BHEL	Feb-09	ST	Gas	36.15	Jan-12	Jun-20	36.15	17.05.2020(A)
Bhadradri TPP	TSGENCO	BHEL	Mar-15	U-1	Coal	270	Mar-17	Jun-20	270	05.06.2020(A)
Bhadradri TPP	TSGENCO	BHEL	Mar-15	U-2	Coal	270	May-17	Aug-20	270	07.12.2020(A)
Yelahanka CCPP	KPCL	BHEL	Nov-15	GT+ST	Gas	370	Mar-18	Nov-20	-	Slipped due to Fire accident & Covid pandemic
Dr.Narla Tata Rao TPS Stage-V	APGENCO	BHEL	Oct-15	U-8	Coal	800	Jul-19	Nov-20	-	Slipped due to Covid pandemic.
Sri Damodaran TPS Stage II	APPDCL	BHEL	Nov-15	U-8	Coal	800	Jun-19	Dec-20	-	Slipped due to Covid pandemic.
Suratgarh SCTPP	RRVUNL	SG-Alstom, TG-Siemens	Mar-13	U-7	Coal	660	Jul-16	Dec-20	-	Slipped due to Covid pandemic.
North Chennai TPS	TANGEDCO	SG-Alstom, TG-Siemens	Jan-16	U-1	Coal	800	Jul-18	Dec-20	-	Slipped due to Covid pandemic.
Bhadradri TPP	TSGENCO	BHEL	Mar-15	U-3	Coal	270	Jul-17	Dec-20	270	26.03.2021(A)
Total Sector Sector						**4276.15**			**846.15**	
PRIVATE SECTOR										
Tuticorin TPP Stage IV	SEPC Power Pvt Ltd	BHEL	Jan-14	U-1	Coal	525	Oct - 18	Jan - 21	-	Slipped due to Covid pandemic
Total Private Sector						**525**			**0**	
TOTAL THERMAL CAPACITY ADDITION						**10591.15**			**4926.15**	

3.0 Target/ Achievement of Thermal Capacity addition During 12th Plan: Details of the same may be seen in monthly broad status report -Jan-21.

4.0 Thermal Projects slipped from 12th plan Target with reasons of slippage: Details of the same may be seen in monthly broad status report -Jan-21

5.1 Thermal Power Projects under construction in the Country: (As on 15.06.2021)

S.No.	Project Name	District	State	Implementing Agency	LOA Date/ ordered date	Unit No.	Capacity (MW)	Equipment (BTG) Supplier	Org. Comm. Sched.	Ant TR/ COD	Exp. (In Rs Crores)	Exp. Till Date
	CENTRAL SECTOR											
1	Barh STPP-I	Patna	Bihar	NTPC	Mar-05	U-1	660	Russia	Aug-09	Jul-21	18669.42	May-21
					Mar-05	U-2	660		Jun-10	Mar-22		
					Mar-05	U-3	660		Apr-11	Jul-23		
2	Nabi Nagar TPP	Aurangabad	Bihar	BRBCL (JV of NTPC & Railways)	Jan-08	U-4	250	BHEL	Nov-13	Aug-21	8868.0	May-21
3	Nabi Nagar STPP	Aurangabad	Bihar	NSPGCL (JV of NTPC & BSPGCL)	Jan-13	U-3	660	SG: BHEL, TG: Alstom	Jan-18	Oct'21	15814.66	May-21
4	North Karanpura STPP	Chatra	Jharkhand	NTPC	Feb-14	U-1	660	BHEL	Feb-18	Dec-21	11722.1	May-21
					Feb-14	U-2	660		Aug-18	Jun-22		
					Feb-14	U-3	660		Feb-19	Dec-22		
5	Darlipalli STPP	Sundergarh	Odisha	NTPC	Feb-14	U-2	800	SG: BHEL, TG: Toshiba	Jun-18	Jun-21	11816.81	May-21
6	Telangana STPP St- I	Karim Nagar	Telangana	NTPC	Feb-16	U-1	800	SG: BHEL, TG: Alstom-Bharat Forge	Jan-20	Mar'22	8460.61	May-21
					Feb-16	U-2	800		Jul-20	Jul'22		
7	Ghatampur TPP	Kanpur	Uttar Pradesh	NUPPL (JV of NLC & UPRVUNL)	Aug-16	U-1	660	SG: MHPS Boiler Pvt. Ltd, TG: Alstom-Bharat Forge	Apr-20	Nov-21	11729.39	May-21
					Aug-16	U-2	660		Oct-20	Mar-22		
					Aug-16	U-3	660		Oct-20	Jul'22		
8	Patratu STPP	Ramgarh	Jharkhand	PVUNL (JV of NTPC & Jharkhand Bidyut Vitran Nigam Ltd.)	Mar-18	U-1	800	BHEL	Jan-22	Sep'23	5027.46	May-21
					Mar-18	U-2	800		Sep-22	Mar'24		
					Mar-18	U-3	800		Dec-22	Sep'24		
9	Rourkela PP-II Expansion	Sundergarh	Odisha	NSPCL (JV of NTPC & Steel Authority of India Ltd.)	May-16	U-1	250	BHEL	Dec-18	Sep'21	1817.82	May-21
10	Khurja SCTPP	Bulandshahr	Uttar Pradesh	THDCIL	Mar-19	U-1	660	SG: L&T, TG: BHEL	Mar-23	Feb'24	1866.32	May-21
						U-2	660		Sep-23	Aug'24		
11	Buxar TPP	Buxar	Bihar	SJVNL	Jun-19	U-1	660	L&T	Jul-23	Jul'23	2111.61	May-21
						U-2	660		Jan-24	Jan'24		
			TOTAL CENTRAL SECTOR				**14540**					

	STATE SECTOR											
1	Dr.Narla Tata Rao TPS St-V	Vijayawada	Andhra Pradesh	APGENCO	Oct-15	U-1	800	BHEL	Jun-19	Oct'21	6074.59	May-21
2	Sri Damodaran Sanjeevaiah TPP St-II	Nellore	Andhra Pradesh	APGENCO	Nov-15	U-1	800	BHEL	Mar-19	Jul'21	7176.85	May-21
3	Suratgarh SCTPP	Sri Ganga Nagar	Rajasthan	RRVUNL	May-13	U-8	660	SG: Alstom, TG: Siemens	Dec-16	Jun-21	10881.6	May-21
4	Bhadradri TPP	Bhadradari-Kothagudem	Telangana	TSGENCO	Mar-15	U-4	270	BHEL	Sep-17	Sep'21	7481.71	May-21
5	Ennore SCTPP	Thiruvallur	Tamil Nadu	TANGEDCO	Sep-14	U-1	660	BHEL	Jan-18	May'22	4502.22	May-21
					Sep-14	U-2	660		Mar-18	Aug'22		
6	North Chennai TPP St-III	Thiruvallur	Tamil Nadu	TANGEDCO	Jan-16	U-1	800	SG: Alstom, TG: Siemens	Mar-19	Dec'21	6431.85	May-21
7	Uppur Super Critical TPP	Ramanathapuram	Tamil Nadu	TANGEDCO	May-16	U-1	800	BHEL	Mar-19	May'24	3128.44	May-21
					Feb-16	U-2	800		Oct-19	Jul'24		
8	Harduaganj TPS Exp-II	Aligarh	Uttar Pradesh	UPRVUNL	Sep-15	U-1	660	SG: Doosan, TG: Toshiba	Jun-19	Jul'21	4261.01	May-21
9	Yelahanka CCPP	Bangalore	Karnataka	KPCL	Nov-15	GT+ST	370	BHEL	Mar-18	Sep'21	1995.13	May-21
10	Jawaharpur STPP	Etah	Uttar Pradesh	UPRVUNL	Dec-16	U-1	660	Doosan Power Systems India Pvt. Ltd.	Sep-20	Dec-22	6405.64	May-21
					Dec-16	U-2	660		Jan-21	Jun-23		
11	Obra-C STPP	Sonebhadra	Uttar Pradesh	UPRVUNL	Dec-16	U-1	660	Doosan Power Systems India Pvt. Ltd.	Sep-20	Jan-23	5645.92	May-21
					Dec-16	U-2	660		Dec-20	May-23		
12	Yadadri TPS	Yadadari-Bhuvanagiri	Telangana	TSGENCO	Oct-17	U-1	800	BHEL	Sep-20	Feb'23	11068.23	May-21
						U-2	800		Sep-20	Mar'23		
						U-3	800		Mar-21	Apr'23		
						U-4	800		Mar-21	May'23		
						U-5	800		Sep-21	Jun'23		
13	Panki TPS Extn.	Kanpur	Uttar Pradesh	UPRVUNL	Mar-18	U-1	660	BHEL	Jun-21	Sep'22	2556.01	May-21
14	Udangudi STPP Stage I	Thoothukudi	Tamil Nadu	TANGEDCO	Dec-17	U-1	660	BHEL	Feb-21	May'22	3090.65	May-21
						U-2	660		Feb-21	Jul'22		
15	Bhusawal TPS	Jalgaon	Maharashtra	MAHAGENCO	Jan-18	U-6	660	BHEL	Nov-21	Dec'22	2180.21	May-21
16	Sagardighi Thermal Power Plant Ph-III	Murshidabad	West Bengal	WBPDCL	Jul-20	U-1	660	BHEL	Jan-24	Jan'24	438.55	May-21
	TOTAL STATE SECTOR						**17220**					
	PRIVATE SECTOR											
1	Tuticorin TPP St-IV	Thoothukudi	Tamil Nadu	SEPC Power Pvt. Ltd.	Jan-14	U-1	525	BHEL	Sep-18	July-21	3609.58	May-21
		TOTAL PRIVATE SECTOR					**525**					
			GRAND TOTAL				**32285**					

5.2 Under construction TPP where work is on hold / not likely to be commissioned

S.No.	State	Project Name / Impl. Agency/ EPC or BTG	LOA Date/ ordered date	Unit No	Cap. (MW)	Org. Comm. Sched.	Present Status/Remarks	Original Cost	Latest Cost (cr)	Exp. (cr)	Exp Till Date
		CENTRAL SECTOR									
1	Rajasthan	Barsingar TPP ext/NLC/Reliance Infra/ Chinese	Nov-16	U-1	250	May-20	Project put on hold due to withdrawal of PPA by DISCOM	2112.59	2112.59	158.25	Jan-21
2	Rajasthan	Bithnok TPP /NLC/Reliance Infra/ Chinese	Nov-16	U-1	250	May-20	Project put on hold due to withdrawal of PPA by DISCOM	2196.3	2196.3	173.82	Jan-21
	TOTAL CENTRAL SECTOR				**500**						
		STATE SECTOR									
1	*TN*	Ennore exp. SCTPP/ Tangedco/ BTG Lanco (DEC-CHINA)	May-14	U-1	660	Jan-18	Corporate Insolvency & Bankruptcy Process (CIRP) initiated against LITL(the EPC Contractor) by IDBI Bank from 07.08.2017 and interim resolution professional appointed on 10.08.2017 and hence the project has been stalled from 07.08.2017.	4956	5421.38	791.4	Dec-17
	TOTAL STATE SECTOR				**660**						
		PRIVATE SECTOR									
1	*AP*	Bhavanapadu TPP Ph-I / East Coast Energy Ltd. / BTG DEC china	Sep-09	U-1	660	Oct-13	Liquidation Order date 22/04/2019	6571.94	9343.15	3785.6	Jan-16
			Sep-09	U-2	660	Mar-14					
2	*AP*	Thamminapatnam TPP stage -II / Meenakshi Energy Pvt. Ltd. SG-Cether vessels TG-Chinese	Dec-09	U-3	350	May-12	Admitted to NCLT on 07.11.2019	5005	5414.4	5414.4	Feb-19
			Dec-09	U-4	350	Aug-12					
3	Bihar	Siriya TPP (Jas Infra. TPP) / JICPL BTG-DEC China	Mar-11	U-1	660	Aug-14	Liquidation Order date 17.07.2020	11120	11120	NA	NA
			Mar-11	U-2	660	Dec-14					
			Mar-11	U-3	660	Apr-15					
			Mar-11	U-4	660	Aug-15					
4	*Chhattisgarh*	Akaltara TPP (Naiyara) / KSK Mahandi Power Company Ltd./ Boiler-SEPCO CHINA (Shanhai china) / TG-SEPCO (Dongfong china)	Apr-09	U-4	600	Apr-13	Admitted to NCLT on 03.01.2019	16190	27080	18730	Dec-16
			Apr-09	U-5	600	Aug-13					
			Apr-09	U-6	600	Dec-13					
5	*Chhattisgarh*	Binjkote TPP/ SKS Power Generation (Chhattisgarh) Ltd. Boiler-Cethar Vessels /Turbine-Harbin China	Mar-11	U-3	300	Mar-14	Work held up due to financial constraints.	5058	7940	3828	Jun-15
			Mar-11	U-4	300	Jun-14					
6	*Chhattisgarh*		Nov-09	U-3	660	Jan-12	Admitted to NCLT on 05.09.2019	6886	10815.24	9537.79	Dec-16

		Lanco Amarkantak TPP-II/ LAP Pvt. Ltd. BTG-DEC china	Nov-09	U-4	660	Mar-12					
7	*Chhattisgarh*	Singhitarai TPP / Athena Chhattisgarh Power Ltd. BTG -DEC china	Dec-09	U-1	600	Nov-14	Admitted to NCLT on 15.05.2019	6200	8443.79	6408.47	May-17
			Dec-09	U-2	600	Feb-15					
8	*Chhattisgarh*	Salora TPP / Vandana Vidyut/ Boiler-Cether Vessles /TG Harbin China	Sep-09	U-2	135	Sep-11	Liquidation Order date 16.12.2019	1458.44	2386.89	2386.89	Mar-15
9	*Chhattisgarh*	Deveri (Visa) TPP / Visa Power Ltd. BTG-BHEL	Jun-10	U-1	600	Aug-13	Liquidation Order date 11.10.2018	2618.7	3930	2077.23	Nov-15
10	*Jharkhand*	Matrishri Usha TPP Ph-I / Corporate Power Ltd. EPC-BHEL	Dec-09	U-1	270	Apr-12	Admitted to NCLT on 19.02.2020	2900	3120	3120	Nov-12
			Dec-09	U-2	270	May-12					
11	*Jharkhand*	Matrishri Usha TPP Ph-II / Corporate Power Ltd. EPC-BHEL	Mar-11	U-3	270	Oct-12	Admitted to NCLT on 19.02.2020	3182	3182	2207	Sep-12
			Mar-11	U-4	270	Jan-13					
12	*Jharkhand*	Tori TPP Ph-I / Essar Power Ltd. BTG-Harbin China	Aug-08	U-1	600	Jul-12	Liquidation Order date 18.12.2019	5700	5700	4757.92	Jun-17
			Aug-08	U-2	600	Sep-12					
13	*Jharkhand*	Tori TPP Ph-II / Essar Power Ltd./ BTG-Harbin China	Feb-10	U-3	600	Dec-15	Liquidation Order date 18.12.2019	2500	2500	246.65	Mar-15
14	*Maharashtra*	Amravati TPP Ph-II / Ratan India Power Pvt. Ltd. BTG-BHEL	Oct-10	U-1	270	Jul-14	Due to financial constraints project has been put on hold.	6646	6646	763.8	Mar-15
			Oct-10	U-2	270	Sep-14					
			Oct-10	U-3	270	Nov-14					
			Oct-10	U-4	270	Jan-15					
			Oct-10	U-5	270	Mar-15					
15	*Maharashtra*	Lanco Vidarbha TPP / LVP Pvt. Ltd. EPC-LANCO/ Boiler- Dongfong China / Turbine- Harbin china	Nov-09	U-1	660	Jul-14	Admitted to NCLT on 03.10.2019	6936	10433	5338	Apr-17
			Nov-09	U-2	660	Nov-14					
16	*Maharashtra*	Nasik TPP Ph-II / Ratan India Nasik Power Pvt. Ltd. BTG-BHEL	Nov-09	U-1	270	Apr-13	No work is going on at site due to fiinacial problems.	6789	6789	711.81	Mar-15
			Nov-09	U-2	270	Jun-13					
			Nov-09	U-3	270	Aug-13					
			Nov-09	U-4	270	Oct-13					
			Nov-09	U-5	270	Dec-13					
17	*Maharashtra*	Bijora Ghanmukh TPP / Jinbhuvish Power Generation Pvt. Ltd. / BTG-CWPC, Chinese	Sep-11	U-1	300	Dec-16	Work held up due to financial constraints.	3189	3450	422.27	Mar-15
			Sep-11	U-2	300	Mar-17					
18	*Maharashtra*	Shirpur TPP ,Shirpur Power Pvt. Ltd./ BTG-BHEL	Nov-11	U-2	150	Apr-15	Admitted to NCLT on 04.03.2020	2413	2413	2277.94	Apr-17

19	*MP*	Gorgi TPP / D.B. Power (MP) Ltd. BTG-BHEL	Mar-11	U-1	660	Jun-13	Work is on hold at site due to Financial crunch being faced by the developer.	3941	3941	475.79	Sep-15
20	*Odisha*	Ind Barath TPP (Odisha) / Ind Barath /BTG-Cethar Vessels	May-09	U-2	350	Dec-11	financial constraints due to non-disbursement of funds by financer.	3150	4254	4254	Apr-17
21	*Odisha*	KVK Nilanchal TPP/ KVK Nilanchal / BTG-Harbin China	Nov-09	U-1	350	Dec-11	Admitted to NCLT on 17.09.2019. Initially delayed due to chimney clearance and law & order problem. Work was held up due to stay by Hon'ble High Court of Orissa. Hon'ble High Court has given order dated : 20.05.14 to start the work. Delay in approval of revised cost of the project by lenders.	4990	6000	1708.36	Mar-15
			Nov-09	U-2	350	Feb-12					
			Nov-09	U-3	350	Feb-12					
22	*Odisha*	Lanco Babandh TPP / LBP Ltd./ BTG-DEC Chinese	Nov-09	U-1	660	Apr-13	Liquidation Order date 27.11.2019	6930	10430	7615	Mar-17
			Nov-09	U-2	660	Aug-13					
23	*Odisha*	Malibrahmani TPP / MPCL/ BTG-BHEL	Jun-10	U-1	525	Dec-12	Liquidation Order date 23.10.2019	5093	6330	5329.75	Dec-14
			Jun-10	U-2	525	Feb-13					
24	*TN*	Tuticorin TPP (Ind- Barath) / IBPIL / BTG- Shangdong China	May-10	U-1	660	May-12	Liquidation Order date 22.04.2019	3595	3595	2000	May-15
25	*WB*	Hiranmaye Energy Ltd (India Power corporation (Haldia) TPP / Haldia Energy Ltd/ EPC- MEIL /BTG-BHEL.	Sep-10	U-3	150	May-16	work is totally on hold	2656	3307	3263.05	Oct-17
	Total Private Sector				**23205**						
	Grand Total				**24365**						

BROAD STATUS

Of

THERMAL POWER PROJECTS

CENTRAL SECTOR

BARH STPP STAGE-I, 3x660 MW

As on 31.05.2021

CENTRAL SECTOR

Developer- NTPC	**Zero Date:** 01/02/2005	**Main Plant Vendor-**Power Machines, Russia ,M/sTPE,M/s DPSI	**Original/Actual Trial Run UNIT-01**	Feb'2010 / Jul'2021
			Original/Expected Trial Run UNIT-02	Dec'2010 / Mar'2022
			Original/Expected Trial Run UNIT-03	Oct'2011/ Jul'2023
ADDRESS : -NTPC Barh Super Thermal Power Station, Barh, Distt – Patna, Bihar - 803215			**E-GEN PORTAL:** REGISTRATION STATUS- NO	

CLEARANCES AND STATIC DATA		**FINANCIAL DATA (in Crore)**	
FUEL TYPE	Coal	**ORIGINAL ESTIMATED COST OF THE PROJECT**	9647
COAL COMBUSTION TECHNOLOGY	Supercritical	**LATEST ESTIMATED COST**	21312.11
APPROVAL DATE/NOTICE TO	Feb-05	**DATE OF FINANCIAL CLOSURE**	21.02.2005
ZERO DATE:	TG: Power Machines, Russia on 14.03.2005. Boiler: Awarded to TPE on 14.03.2005, contract terminated on 14.01.2015; Balance work awarded to DPSI on 30.01.2016. Pressure Parts ordered partially (replacement of DI 59 coils) to GE Power on 15.01.2018.	**EXP. DURING 2010-11**	921.81
PPA	Bihar (incl. Home state share): 1025 MW, Jharkhand: 202 MW, Orissa: 418 MW, Sikkim: 38 MW and unallocated: 297MW.	**EXP. DURING 2011-12**	1,286.25
COAL LINKAGE/FSA	Letter of Assurance dtd. 18.11.2010 from CCL, securing 10 MMTPA coal for 03 Units. FSA of Unit-1 (3.333 MMTPA) already signed with CCL(all operative mines, G8-G10) as per MOC PD dtd. 17.07.2013 FSA of Unit-2 & 3 to be signed after commissioning in terms of para 1A(i)of SHAKTI-2017 policy.	**EXP. DURING 2012-13**	1,384.43
START UP POWER AGREEMENT	Done with PGCIL on 27.01.2020 for 400kV D/C LILO of Kahalgaon-Patna, Barh-Patna & Barh-Gorakhpur lines	**EXP. DURING 2013-14**	1,581.22
POWER EVACUATION SYSTEM	400kV D/C LILO of Kahalgaon-Patna, Barh-Patna & Barh-Gorakhpur D/c lines (incl. stage 2)	**EXP. DURING 2014-15**	568.49
LAND POSSESSION	Required - 3212 Acres, Under Possession - 3212 Acres	**EXP. DURING 2015-16**	1143.46
WATER ALLOCATION	100 Cusec from River Ganges	**EXP. DURING 2016-17**	1410.21
MOEF CLEARANCE	11.09.2001	**EXP. DURING 2017-18**	1389.43
CIVIL AVIATION CLEARANCE	09.08.2004	**EXP. DURING 2018-19**	1453.89
CPCB CLEARANCE	Not Applicable	**EXP. DURING 2019-20**	1502.47
SPCB CLEARANCE	Consent to Operate (Emission & Discharge) Granted by SPCB on 04.07.2017, Fior Unit#1, and is Valid upto 30.09.2021	**EXP. DURING 2020-21**	1123.15
FOREST CLEARANCE	Not Applicable	**EXP. DURING 2021-22**	138.62
		EXP. OF MAY'21	73.86
		TOTAL EXPENDITURE (UPTO 31.05.2021)	18669.42

UNDER-CONSTRUCTION UNITS WISE MILESTONE DATES (ACTUAL / ANTICIPATED)

Sl.	MILESTONE	UNIT-01		UNIT-02		UNIT-03	
		Original Date of Completion	Actual/Anticipated Date of Completion	Original Date of Completion	Actual/Anticipated Date of Completion	Original Date of Completion	Actual/Anticipated Date of Completion
1	COMPLETION OF BOILER FOUNDATION	Complete					
2	START OF BOILER ERECTION	May'2006	Mar'2011(A)	Mar'2007	Jul'2011(A)	Jan'2008	Jan'2012(A)
3	BOILER DRUM LIFTING	N/A					
4	BOILER CEILING GIRDER LIFTING COMPLETION	Complete					
5	BOILER HYDRO TEST (DRAINABLE) COMPLETION	Dec'2007	Feb'2013(A)	Oct'2008	Jan'2021(A)	Aug'2009	Jun'2022
6	BOILER HYDRO TEST (NON-DRAINABLE) COMPLETION	-	Feb'2013(A)	-	Jan'2021(A)	-	Jun'2022
7	BOILER LIGHT UP	Aug'2008	Aug'2019(A)	Jun'2009	Jul'2021	Apr'2010	Nov'2022
8	CHEMICAL CLEANING						
9	STEAM BLOWING START						
10	STEAM BLOWING COMPLETION	Jan'2009	Jan'2020(A)	Nov'2009	Nov'2021	Sep'2010	Mar'2023
11	HP PIPING ERECTION START						
12	HP PIPING ERECTION						
13	CONDENSER ERECTION START	Jun'2007	Nov'2008(A)	Apr'2008	Jan'2009(A)	Feb'2009	Nov'2013(A)
14	TG ERECTION START	Aug'2007	Aug'2011(A)	Jun'2008	Sep'2011(A)	Apr'2009	Mar'2012(A)
15	TG BOX UP	Aug'2008	Dec'2013(A)	Jun'2009	Jan'2015(A)	Apr'2010	Jul'2022
16	START OF OIL FLUSHING						
17	ROLLING & SYNC.	Mar'2009	Sep'2020(A)	Jan'2010	Jan'2022	Nov'2010	May'2023
18	FULL LOAD	-	Apr'2021(A)	-	Feb'2022	-	Jun'2023
19	TRIAL RUN	Feb'2010	Jul'2021	Dec'2010	Mar'2022	Oct'2011	Jul'2023
20	COD						
21	PG TEST START AND COMPLETION						

MAIN PLANT PACKAGE (BTG VENDOR):

Sl.	Packages	AREA	UNIT-01 (Percentage Completion)	UNIT-02 (Percentage Completion)	UNIT-03 (Percentage Completion)
1	BOILER	CIVIL STRUCTURE PRESSURE PARTS	100%		
2	TG	CIVIL STRUCTURE PRESSURE PARTS	100%	100%	
3	ESP	UNDER PROGRESS	100%		
4	FGD	UNDER PROGRESS			

STATUS OF BOPs

Sl.	Packages/ Linked Project Milestones	Vendor/Contracting Agency (EPC-BHEL)	UNIT-01 (Percentage Completion)	UNIT-02 (Percentage Completion)	UNIT-03 (Percentage Completion)
1	Chimney	NBCC	100%		
2	Coal Handling Plant	L&T (Conveyor package)	100%		
		L&T (Wagon Tripler	100%		
		L&T(Stacker Reclaimer)	100%		
3	Ash Handling Plant	Melco		-	
4	Fuel Oil System	Techno	100%		
5	Cooling Towers	Paharpur		-	
6	CW Pump house & Piping	KBL		-	
7	PT Plant	SPML		-	
8	DM Plant	Driplex	100%		
9	Air Compressor	Power Machines		-	
10	Fire Protection System	Minimax	100.00%	-	
11	Switch Yard	BHEL	100%		
12	Station Transformers	ABB	100%		
13	Unit Transformers	TRIL/BHEL/Kanohar	100%	-	
14	Railway siding	RITES	100%		
15	Power Evacuation	PGCIL	100%		

REASONS OF DELAY :

Inordinate delay by Main Plant (SG & Auxiliaries Package) vendor M/s TPE. Work started after 6 Years of award. Contract of M/s TPE was terminated in Jan'15 due to consistent failure of commitments and poor performance. Contract for balance works re-awarded after 1 year.During Hydro Test of Boiler U#1, DI-59 Coils in PSH-IV, CSH & LPRH-II failed which were supplied by M/s TPE. Accordingly, change of material to SS304H was approved and contract was awarded to M/s GE on 15.01.18 for supply, Dismantling & Installation of Coils. Delayed project by app. 2 years.

- Due to unusual delay in project commissioning for Main plant vendors, revival of Balance Offsite Packages is taking considerable time.
- Due to US sanction on Power Machines, Russia, balance TG/SG supplies and works got delayed.
- Delay due to land acquisition / physical possession in past.
- Law & Order issues in past.
- Abnormal Heavy Rain Fall in Year 2007, 2008, 2011, 2014 & 2016 in Monsoon period.
- Shortage of aggregate in Year 2010 as Govt. of Bihar banned stone quarry mines to protect the environment under Bihar minor mineral concession (Amendment) rules, 2010.
- Bihar Govt. Vide order dated 09.02.2016 ban all the sand mining from the riverbed without environmental clearance led to shortage of sand for some period.
- Delay due to ongoing COVID-19 pandemic since Mar'20.
- Delay in Procurement of balance TKZ material for SG & Aux for U#2 & 3
- Abnormal Temperature Rise in U#1 Water wall tubes

BRBCL Nabinagar TPP (4x250MW)

As on 31.05.2021

CENTRAL SECTOR

Developer- BRBCL (JV OF NTPC&RLY)	**Zero Date:**22.01.2008	**Main Plant Vendor-**M/S BHEL (BTG)	**Original/Actual Trial Run UNIT-04**	FEB 2012 / AUG 2021
ADDRESS : - BRBCL NABINAGAR, Khaira Thana, Dist Aurangabad, Bihar 824303			**E-GEN PORTAL:** REGISTRATION STATUS- NO	
CLEARANCES AND STATIC DATA			**FINANCIAL DATA (in Crore)**	
FUEL TYPE		COAL	**ORIGINAL ESTIMATED COST OF THE PROJECT**	Rs 5352.50Crs / 15.02.2007
COAL COMBUSTION TECHNOLOGY		SUB CRITICAL	**LATEST ESTIMATED COST**	Rs 10,567Crs
APPROVAL DATE/NOTICE TO PROCEED (NTP)		CCEA approval sought on 15.02.2007	**DATE OF FINANCIAL CLOSURE**	
ZERO DATE:		22.01.2208	**Exp. during 2007-08**	263.19
PPA		PPA siged with Indian railways for 900MW, PPA signed with GoB for 100MW	**Exp. during 2008-09**	68.37
COAL LINKAGE/FSA		3.75/5MTPA FSA done, U4 (Last unit) under construction) - FSA yet to sign	**Exp. during 2009-10**	196.17
START UP POWER AGREEMENT		Already av. (Taken in Dec.'14) Now 3 Unitsunder operation.	**Exp. during 2010-11**	226.8
POWER EVACUATION SYSTEM		400KV Line NTPP - Sasaram/Pusauli Grid	**Exp. during 2011-12**	487.13
LAND POSSESSION		1488/1526ACRES Acquired, Balance under acquisition	**Exp. during 2012-13**	1096.68
WATER ALLOCATION		SONE RIVER, 60CUSEC Agreement done.	**Exp. during 2013-14**	1300.68
MOEF CLEARANCE		All clearance obtained.	**Exp. during 2014-15**	906.04
CIVIL AVIATION CLEARANCE			**Exp. during 2015-16**	927.77
CPCB CLEARANCE			**Exp. during 2016-17**	950.11
SPCB CLEARANCE			**Exp. during 2017-18**	705.71
FOREST CLEARANCE			**Exp. during 2018-19**	620.79
			Exp. during 2019-20	399.42
			Exp. during 2020-21	356.48
			Exp. during 2021-22	28.8
			EXP. OF MAY'21	21
			TOTAL EXPENDITURE (UPTO 31.05.21)	8868

UNDER-CONSTRUCTION UNITS WISE MILESTONE DATES (ACTUAL / ANTICIPATED)

Sl.	MILESTONE	UNIT-04	
		Original Date of Completion	Actual/Anticipated Date of Completion
1	COMPLETION OF BOILER FOUNDATION		
2	START OF BOILER ERECTION		07.12.2012
3	BOILER DRUM LIFTING		
4	BOILER CEILING GIRDER LIFTING COMPLETION		
5	BOILER HYDRO TEST (DRAINABLE) COMPLETION		
6	BOILER HYDRO TEST (NON-DRAINABLE) COMPLETION		
7	BOILER LIGHT UP		04.11.2020
8	CHEMICAL CLEANING		13.11.2020
9	STEAM BLOWING START		15.07.2021
10	STEAM BLOWING COMPLETION		30.07.2021
11	HP PIPING ERECTION START		20.06.2021
12	HP PIPING ERECTION COMPLETION		20.07.2021
13	CONDENSER ERECTION START		
14	TG ERECTION START		
15	TG BOX UP		30.06.2021
16	START OF OIL FLUSHING		
17	ROLLING & SYNC.		20.08.2021
18	FULL LOAD		20.08.2021
19	TRIAL RUN		20-30.08.21
20	COD		30.08.2021
21	PG TEST START AND COMPLETION		30.09.2021

MAIN PLANT PACKAGE (BTG VENDOR):

Sl.	Packages	UNIT-04	% Completion
1	BOILER	Civil works Structural works Pressure Parts	98% 99% 93.75%
2	TG	Civil works Structural works Pressure Parts	99% 99% 93.75%
3	ESP	Pass status	77.32%
4	FGD	CIVIL WORK MATERIAL SUPPLY ERECTION WORK	5.60% NIL NIL

STATUS OF BOPs

Sl.	Packages/ Linked Project Milestones	Vendor/Contracting Agency	% Completion
1	Chimney	Bygging India	95%
2	Coal Handling Plant	Technpro Ltd (Conveyor	80%
		Elecon/GPL	100%
		Elecon/GPL (Stacker	70%
3	Ash Handling Plant	INDURE	70%
4	Fuel Oil System	BHEL/Station Piping	100%
5	Cooling Towers	Paharpur CT Ltd.	85%
6	CW Pump house & Piping	JYOTI	75%
7	PT Plant	TOSHIBA	97%
8	DM Plant	DRIPLEX	100%
9	Air Compressor	BHEL	100%
10	Fire Protection System	LLYOD	70%
11	Switch Yard	ABB	95%
12	Station Transformers	ABB	100%
13	Unit Transformers	ABB	95%
14	Railway siding	RITES	78%
15	Power Evacuation	PGCIL	100%

REASONS OF DELAY :

1. Delay in Land acquisition .
2. Frequent strike & NAXAL Bandh in initial project construction phase upto 2014.

Nabinagar Super Thermal Power Project, Stage-I, 3X660MW

As on 31.05.2021

CENTRAL SECTOR

Developer- NSPGCL	**Zero Date:**21-01-2013	**Main Plant Vendor-**Main Plant SG - M/s BHEL, STG - M/s Alstom-Bharat Forge (GE)	**Original/Actual Trial Run UNIT-03**	May'2018/ Nov'2021
ADDRESS : -Shivanpur, PO- Ankorha, District- Aurangabad, State- Bihar, PIN-824303			**E-GEN PORTAL:** REGISTRATION STATUS- NO,	
CLEARANCES AND STATIC DATA			**FINANCIAL DATA (in Crore)**	
FUEL TYPE		Coal	**ORIGINAL ESTIMATED COST OF THE PROJECT**	13624.01 Crores (basis Q3 2011-12)
COAL COMBUSTION TECHNOLOGY		Supercritical	**LATEST ESTIMATED COST**	17304 Crores (Estimate base Q4 , 2018)
APPROVAL DATE/NOTICE TO PROCEED (NTP)		41295	**DATE OF FINANCIAL CLOSURE**	
ZERO DATE:		21-01-2013. Main Plant SG- M/s BHEL, LOA Date: 31-01 2013, STG- M/s Alstom-Bharat Forge (GE), LOA Date: 31- 01-2013	**EXP. DURING 2014-15**	3305.32
PPA		PPA Signed: Bihar:-1552.5 MW, Jharkhand:- 60 MW, UP:-209 MW, Sikkim :-10 MW, Un-Allocated - 148.5 MW Total Share (Firm + UN-allocated): Bihar :-1678MW, Jharkhand :- 65 MW, UP:-226MW, Sikkim:-11MW	**EXP. DURING 2015-16**	2697.12
COAL LINKAGE/FSA		Coal linkage agreement from CCL for 7.03 Million Ton Per Annum. FSA signed with CCL on 22.04.2020.	**EXP. DURING 2016-17**	3070
START UP POWER AGREEMENT		Through 132 KV grid of Bihar State Power Transmission Company Limited (BSPTCL) and South Bihar Power Distribution Company Limited (SBPDCL).	**EXP. DURING 2017-18**	2265
POWER EVACUATION SYSTEM		Being Executed by PGCIL. 400 kV line from NPGC to GAYA and second line from NPGC to Patna charged.	**EXP. DURING 2018-19**	1786
LAND POSSESSION		Total land required 2972 acres.	**EXP. DURING 2019-20**	1,373.21
WATER ALLOCATION		125 CUSEC (water agreement signed on 09.10.2017 with Water Resource Department , Govt of Bihar)	**EXP. DURING 2020-21**	1249.06
			EXP. DURING 2021-22	52.57
MOEF CLEARANCE		MOEF clearance received on 27.12.10. Clearance for Extension received on 14.01.20 with validity till 25.12.20. Further, Clearance extended for six month till June'21 vide MOEF letter dated 10.12.2020.	**EXP. OF MAY'21**	26.57
CIVIL AVIATION CLEARANCE		Clearance received on 04.11.09. Re validation of NOC issued Dated 11.11.16 Valid up to 03.11.2021	**TOTAL EXPENDITURE (UPTO 31.05.21)**	15814.66
CPCB CLEARANCE		NOT APPLICABLE		
SPCB CLEARANCE		Valid up to 30.06.2022 (CTO Granted on 05.03.18.)		
FOREST CLEARANCE		Received dated 13.02.10 (There is no forest land in the Project land)		

UNDER-CONSTRUCTION UNITS WISE MILESTONE DATES (ACTUAL / ANTICIPATED)			
Sl.	MILESTONE	UNIT-03	
		Original Date of Completion	Actual/Anticipated Date of Completion
1	COMPLETION OF BOILER FOUNDATION		
2	START OF BOILER ERECTION	Jan'2015	Apr'2015
3	BOILER DRUM LIFTING		
4	BOILER CEILING GIRDER LIFTING COMPLETION		
5	BOILER HYDRO TEST (DRAINABLE) COMPLETION	Aug'2016	Jul'2019
6	BOILER HYDRO TEST (NON-DRAINABLE) COMPLETION		Nov'2020
7	BOILER LIGHT UP	Jul'2017	Dec'2020
8	CHEMICAL CLEANING COMPLETION		Jan'2021
9	STEAM BLOWING START	July'2017	Jan'2021
10	STEAM BLOWING COMPLETION	Aug'2017	Feb'2021
11	HP PIPING ERECTION START		
12	HP PIPING ERECTION COMPLETION		
13	CONDENSER ERECTION START		June'2017
14	TG ERECTION START		July'2017
15	TG BOX UP	Apr'2017	June'2018
16	START OF OIL FLUSHING	Sep'2017	Dec'2018
17	ROLLING & SYNC.	Nov'2017	Mar'2021
18	FULL LOAD	Jan'2018	Nov'2021
19	TRIAL RUN	May'2018	Nov'2021
20	COD	May'2018	Dec'2021
21	PG TEST START AND COMPLETION		

MAIN PLANT PACKAGE (BTG VENDOR): M/S BHEL & M/s Alstom-Bharat Forge (GE) (30.01.2013)			
Sl.	Packages	UNIT-03	% Completion
1	BOILER	Civil works Structural works	95%
2	TG	Civil works Structural works Pressure Parts	100%
3	ESP	Pass status	93%
4	FGD	ALL UNITS	10%

STATUS OF BOPs

Sl.	Packages/ Linked Project Milestones	Vendor/Contracting Agency	% Completion
1	Chimney	M/S Gannon Dunkerely & co. Ltd	87.00%
2	Coal Handling Plant	M/s TRF Ltd(Conveyor package)	82.00%
			100.00%
			80.00%
3	Ash Handling Plant	M/s DCIPS	88.00%
4	Fuel Oil System		
5	Cooling Towers		85.00%
6	CW Pump house & Piping	Flowserve India controls Pvt Ltd	100.00%
7	PT Plant		90.00%
8	DM Plant		100.00%
9	Air Compressor		
10	Fire Protection System		
11	Switch Yard	M/s BHEL TBG Noida	95.00%
12	Station Transformers	M/s GE T&D India Ltd.	66.66%
13	Unit Transformers	M/s GE T&D India Ltd.	100.00%
14	Railway siding	M/s IRCON International Ltd	90.00%
15	Power Evacuation	M/s Powergrid	100.00%

REASONS OF DELAY :

- Readiness of Boiler#3 is getting delayed due to delay in receipt of balance material and further is dependent on supply of Insulation materials from BHEL.
- Items against open orders by BHEL from Trichy / Ranipet / Bhopal etc. (Ordered: 1306 DUs & 92 MDR, dispatch being expedited)
- Delay in balance civil work for SG U#2 & 3 and Offsite works as agency (M/s ERA) is under financial stress and is in NCLT. It is affecting work progress. Part works offloaded and being carried out by other agencies.
- Delay in readiness of Ash handling System as agency (M/s DCIPS) is under financial stress and is in NCLT and under liquidation process. It is adversely affecting supply and work progress. Ordering of balance materials of U#3 Ash handling system being expedited.

NORTH KARANPURA TPP, 3x660 MW

As on 31.05.2021

CENTRAL SECTOR

Developer- NTPC	**Zero Date:** 28.02.2014	**Main Plant Vendor-BHEL (EPC)**	**Original/Actual Trial Run UNIT-01**	Jun'2018 /Dec'2021
			Original/Expected Trial Run UNIT-02	Dec'2018 / Jun'2022
			Original/Expected Trial Run UNIT-03	Jun'2019 /Dec'2022
ADDRESS : -NTPC North Karanpura, Tandwa, Sub division – Simaria, Distt–Chatra – Jharkhand-825321			**E-GEN PORTAL:** REGISTRATION STATUS- NO	

CLEARANCES AND STATIC DATA		**FINANCIAL DATA (in Crore)**	
FUEL TYPE	Ultra-supercritical	**ORIGINAL ESTIMATED COST OF THE PROJECT**	15389.42
COAL COMBUSTION TECHNOLOGY	41671	**LATEST ESTIMATED COST**	Not Applicable
APPROVAL DATE/NOTICE TO	BTG (EPC) - BHEL - 28.02.14	**DATE OF FINANCIAL CLOSURE**	28.01.2014
ZERO DATE:	BTG (EPC) - BHEL - 28.02.14	**EXP. DURING 2010-11**	8.17
PPA	Jharkhand: 500; Odisha: 396; Bihar: 688; WB: 99; Unallocated: 297. All in MW.	**EXP. DURING 2011-12**	4.88
COAL LINKAGE/FSA	Letter of Assurance dtd. 24.03.2015 from CCL, securing 7.039 MMTPA coal (G7-G11) for 03 Units. FSA to be signed after commissioning in terms of para 1A(i)of SHAKTI-2017 policy.	**EXP. DURING 2012-13**	5.75
START UP POWER AGREEMENT	Through ATS - 400 KV NK Chandwa line. Line is under construction. Agreement yet to be done.	**EXP. DURING 2013-14**	1,362.18
POWER EVACUATION SYSTEM	2 No D/C lines to Chandwa (jharkhand pool) and Gaya	**EXP. DURING 2014-15**	527.92
LAND POSSESSION	Required - 2364 Acres. Under Possession - 2063 Acres.	**EXP. DURING 2015-16**	615.73
WATER ALLOCATION	20 Cusec from Garhi River - Raw water drawl agreement signed with DVC on 18.09.2020.	**EXP. DURING 2016-17**	2199.92
MOEF CLEARANCE	29.11.2004	**EXP. DURING 2017-18**	2044.46
CIVIL AVIATION CLEARANCE	13.02.2009	**EXP. DURING 2018-19**	1747.91
CPCB CLEARANCE	Not Applicable	**EXP. DURING 2019-20**	1762.62
SPCB CLEARANCE	Available. 31.12.01 for Bihar. 11.12.14 for Jharkhand	**EXP. DURING 2020-21**	1243.28
		EXP. DURING 2021-22	102.59
FOREST CLEARANCE	03.11.2015	**EXP. OF MAY'21**	52.64
		TOTAL EXPENDITURE (31.05.2021)	11774.74

UNDER-CONSTRUCTION UNITS WISE MILESTONE DATES (ACTUAL / ANTICIPATED)

Sl.	MILESTONE	UNIT-01		UNIT-02		UNIT-03	
		Original Date of Completion	Actual/Anticipated Date of Completion	Original Date of Completion	Actual/Anticipated Date of Completion	Original Date of Completion	Actual/Anticipated Date of Completion
1	COMPLETION OF BOILER FOUNDATION	Complete					
2	START OF BOILER ERECTION	Aug'2015	Apr'2016(A)	Feb'2016	Jul'2016(A)	Aug'2016	Jun'2017(A)
3	BOILER DRUM LIFTING	N/A					
4	BOILER CEILING GIRDER LIFTING COMPLETION	Complete					
5	BOILER HYDRO TEST (DRAINABLE) COMPLETION	Jan'2017	Dec'2018(A)	Jul'2017	Oct'2019(A)	Jan'2018	Se'2021
6	BOILER HYDRO TEST (NON-DRAINABLE) COMPLETION	-	Jan'2019(A)	-	Oct'2019(A)	-	Se'2021
7	BOILER LIGHT UP	Aug'2017	Dec'2020(A)	Feb'2018	Sep'2021	Aug'2018	May'2022
8	CHEMICAL CLEANING						
9	STEAM BLOWING START						
10	STEAM BLOWING COMPLETION	Oct'2017	Feb'2021(A)	Apr'18	Nov'2021	Oct'2018	Jul'2022
11	HP PIPING ERECTION START						
12	HP PIPING ERECTION						
13	CONDENSER ERECTION START	May'2016	Nov 2018(A)	Nov'2016	Jan'2020(A)	May'2017	Sep'2021
14	TG ERECTION START	Jul'16	Nov'2017(A)	Jan'2017	Jan'2018(A)	Jul'2017	Aug'2021
15	TG BOX UP	Jun'2017	Aug'2019(A)	Dec'2017	Jun'2021	Jun'2018	Dec'2021
16	START OF OIL FLUSHING						
17	ROLLING & SYNC.	Dec'2017	Dec'2021	Jun'2018	Jan'2022	Dec'2018	Aug'2022
18	FULL LOAD	Feb'2018	Dec'2021	Aug'2018	Jun'2022	Feb'2019	Dec'2022
19	TRIAL RUN	Jun'2018	Dec'2021	Dec'2018	Jun'2022	Jun'2019	Dec'2022
20	COD						
21	PG TEST START AND COMPLETION						

MAIN PLANT PACKAGE (BTG VENDOR):

Sl.	Packages	AREA	UNIT-01 (Percentage Completion)	UNIT-02 (Percentage Completion)	UNIT-03 (Percentage Completion)
1	BOILER	CIVIL STRUCTURE PRESSURE PARTS			
2	TG	CIVIL STRUCTURE PRESSURE PARTS			
3	ESP	UNDER PROGRESS			
4	FGD	UNDER PROGRESS			

STATUS OF BOPs

Sl.	Packages/ Linked Project Milestones	Vendor/Contracting Agency (EPC-BHEL)	UNIT-01 (Percentage Completion)	UNIT-02 (Percentage Completion)	UNIT-03 (Percentage Completion)
1	Chimney	M/s BHEL			
2	Coal Handling Plant	M/s BHEL (Conveyor package)			
		M/s BHEL (Wagon Tripler			
		M/s BHEL (Stacker Reclaimer)			
3	Ash Handling Plant	M/s BHEL			
4	Fuel Oil System	M/s BHEL			
5	Cooling Towers	M/s BHEL			
6	CW Pump house & Piping	M/s BHEL			
7	PT Plant	M/s BHEL			
8	DM Plant	M/s BHEL			
9	Air Compressor	M/s BHEL			
10	Fire Protection System	M/s BHEL			
11	Switch Yard	BHEL-TBG/ Arun Construction Technico India Pvt. Ltd.			
12	Station Transformers	M/s BHEL			
13	Unit Transformers	M/s BHEL			
14	Railway siding	Main vendor/ subcontractor			
15	Power Evacuation	Awarded on TBCB to NKTL			

REASONS OF DELAY :

? Main plant layout was changed to avoid GM land which Govt. was not in position to handover due to encroachments.

? Delay in Award of Critical Packages by BHEL. Air Cooled Condenser (ACC) Mechanical Package awarded in Mar'17 with a delay of 31months; ACC civil package was awarded in May'17 with a delay of 27 months.

? Delay due to slow work progress by EPC agency (M/s BHEL). Slow progress of Air Cooled Condenser works by M/s BHEL may affect the current commissioning target of project.

? Delay in acquisition of land. Approx. 131 acres of land is still balance for physical possession for Reservoir and Ash Dyke. It may further delay the commissioning of the project (another 101 Acre land is under litigation in Hon'ble HC, Ranchi).

? Additionally, 61 acres of Land is required for external CHP, under acquisition thru' CCL.

? Agitation by villagers for demand of additional compensation against already acquired land (about 2200 Acres). Project Work was completely stopped by the agitators, for about 40 days during Feb-March'2021.

DARLIPALLI THERMAL POWER STATION,2X800 MW

As on 31.05.2021

CENTRAL SECTOR

Developer NTPC	**Zero Date:** FEB 2014	**Main Plant Vendor-** M/s BHEL,M/s L&T, Toshiba JSW JV	**Original/Actual Trial Run UNIT-01**	Jun'2018/Dec'2019(A)
			Original/Actual Trial Run UNIT-02	Dec'2018/Jun'2021
ADDRESS : -			**E-GEN PORTAL:** REGISTRATION STATUS- NO	

CLEARANCES AND STATIC DATA		**FINANCIAL DATA (in Crore)**	
FUEL TYPE	Coal	**ORIGINAL ESTIMATED COST OF THE PROJECT**	13140.91
COAL COMBUSTION TECHNOLOGY	Supercritical	**LATEST ESTIMATED COST**	Not Applicable
APPROVAL DATE/NOTICE TO PROCEED (NTP)	01-Feb-14	**DATE OF FINANCIAL CLOSURE**	16.01.2014
ZERO DATE:	SG - BHEL - Feb-14, TG - Toshiba JSW JV - Feb-14	**EXP. DURING 2010-11**	0.89
PPA	Odisha– 800, West Bengal – 249.50, Bihar – 161.20, Jharkhand – 125.48, Sikkim – 23.81 and Unallocated: 240. All in MW.	**EXP. DURING 2011-12**	33.49
COAL LINKAGE/FSA	Linked with Dulanga Captive coal mine (PRC - 7 MMTPA); Bridge Linkage against the linked captive mine from MCL & SECL, valid upto March 2022 (FY 21-22 Qty: MCL 0.104 MMT, SECL-0.03 MMT)	**EXP. DURING 2012-13**	290.24
START UP POWER AGREEMENT	Done with PGCIL on 28.10.2016 through Darlipali-Sundargarh 765KV D/C line	**EXP. DURING 2013-14**	622.7
POWER EVACUATION SYSTEM	Darlipali STPP-Sundargarh pool 765kV D/C Line	**EXP. DURING 2014-15**	461.1
LAND POSSESSION	Required - 2000 Acres, Under Possession - 2000 Acres	**EXP. DURING 2015-16**	1691.4
WATER ALLOCATION	55 Cusec from Hirakud Reservoir in Mahanadi river	**EXP. DURING 2016-17**	2335.17
MOEF CLEARANCE	17.02.2014 Valid upto 17.02.2022	**EXP. DURING 2017-18**	2065.12
CIVIL AVIATION CLEARANCE	28.12.2011	**EXP. DURING 2018-19**	1598.28
CPCB CLEARANCE	Not Applicable	**EXP. DURING 2019-20**	1824.56
SPCB CLEARANCE	28.02.2014	**EXP. DURING 2020-21**	775.27
		EXP. DURING 2021-22	115.01
FOREST CLEARANCE	13.10.2014	**EXP. OF MAY'21**	86.56
		TOTAL EXPENDITURE (UPTO 31.05.21)	11816.89

UNDER-CONSTRUCTION UNITS WISE MILESTONE DATES (ACTUAL / ANTICIPATED)

Sl.	MILESTONE	UNIT-02	
		Original Date of Completion	Actual/Anticipated Date of Completion
1	COMPLETION OF BOILER FOUNDATION	COMPLETED	
2	START OF BOILER ERECTION	Oct'2015	Jul'2015(A)
3	BOILER DRUM LIFTING	NA	
4	BOILER CEILING GIRDER LIFTING COMPLETION	COMPLETED	
5	BOILER HYDRO TEST (DRAINABLE) COMPLETION	-	-
6	BOILER HYDRO TEST (NON-DRAINABLE) COMPLETION	Apr'2017	Mar'2018(A)
7	BOILER LIGHT UP	Jan'2018	Oct'2019(A)
8	CHEMICAL CLEANING		
9	STEAM BLOWING START		
10	STEAM BLOWING COMPLETION	Apr'2018	Jan'2021(A)
11	HP PIPING ERECTION START		
12	HP PIPING ERECTION COMPLETION		
13	CONDENSER ERECTION START	Sep'2016	Sep'2016(A)
14	TG ERECTION START	Dec'2016	Mar'2017(A)
15	TG BOX UP	Nov'2017	Feb'2019(A)
16	START OF OIL FLUSHING		
17	ROLLING & SYNC.	Jun'2018	Mar'2021(A)
18	FULL LOAD	Aug'2018	May'2021
19	TRIAL RUN	Dec'2018	Jun'2021
20	COD		
21	PG TEST START AND COMPLETION		

MAIN PLANT PACKAGE (BTG VENDOR):

Sl.	Packages	UNIT	% Completion
1	BOILER	UNIT-02	100%
2	TG	UNIT-02	100%
3	ESP	UNIT-02	100%
4	FGD	UNIT-01&02	UNDER PROGRESS

STATUS OF BOPs

Sl.	Packages/ Linked Project Milestones	Vendor/Contracting Agency	% Completion
1	Chimney	L&T	100%
2	Coal Handling Plant	TPL	100%
			100%
			100%
3	Ash Handling Plant	Indure	100%
4	Fuel Oil System	BHEL	100%
5	Cooling Towers	L&T Sunil Hitech	100%
6	CW Pump house & Piping		100%
7	PT Plant	Triveni	100%
8	DM Plant	Triveni	100%
9	Air Compressor	BHEL	100%
10	Fire Protection System	Consilium	100%
11	Switch Yard	GE	100%
12	Station Transformers	CGL	100%
13	Unit Transformers	CGL	100%
14	Railway siding	IRCON	UNDER PROGRESS
15	Power Evacuation	GE	100%

REASONS OF DELAY :

- Delay in acquisition of land for Railway Siding/MGR and ROU for MUW line. Last patch of 14.25 acres land received in Mar'21.

Transmission line of Make up water pump house could not be completed due to ROW issues. 122/335 foundations could only be completed as villagers are not accepting compensation decided by Distt. Administration.

- Slow progress in civil works CW & MUW System (Sunil Hitech). Agency under NCLT.
- Delay in readiness of AHP System (M/s Indure).
- Slow progress in SG package by M/s BHEL.
- Delay due to ongoing COVID-19 pandemic since Mar'20. Non-availability of Industrial oxygen during second wave.

TELANGANA THERMAL POWER PROJECT,2X8000 MW (Ph-I)

As on 31.05.2021

CENTRAL SECTOR

Developer- NTPC	**Zero Date:** 05.12.2016	**Main Plant Vendor-**M/S BHEL & M/s GE	**Original/Actual Trial Run UNIT-01**	May'2020/Mar'2022
			Original/Expected Trial Run UNIT-02	Nov'2020/Jul'2022
ADDRESS : - NTPC Telangana, PO Ramagundam (Sub Office), Karim Nagar, Telanganade:- 505208			**E-GEN PORTAL:** REGISTRATION STATUS- NO	

CLEARANCES AND STATIC DATA		**FINANCIAL DATA (in Crore)**	
FUEL TYPE	Coal	**ORIGINAL ESTIMATED COST OF THE PROJECT**	10997.7
COAL COMBUSTION TECHNOLOGY	Ultra-supercritical	**LATEST ESTIMATED COST**	Not Applicable
APPROVAL DATE/NOTICE TO PROCEED (NTP)	Jan-16	**DATE OF FINANCIAL CLOSURE**	29.01.2016
ZERO DATE:	SG Island - BHEL - 05.02.16; TG Island - GE - 05.02.16	**EXP. DURING 2015-16**	6.34
PPA	1360 MW power has been allocated to Telangana. Balance 240 MW is unallocated.	**EXP. DURING 2016-17**	798.21
COAL LINKAGE/FSA	Linked with Mandakini-B captive coal mine (PRC-20 MMTPA); however, NTPC has approached MOC on 26.12.2020 for surrendering the coal mine. Tapering linkage against the linked coal mine was initially allocated from WCL cost-plus. In July'2020, the linkage has been shifted to SCCL. Coal quantity quanitified by the Coal Controller is 6.846 MMTPA.	**EXP. DURING 2017-18**	1062.65
START UP POWER AGREEMENT	Start up Power has been granted for Telangana STPP by SRLDC on 26-6-20 through RSTPS-TeSTPP 400KV DC line	**EXP. DURING 2018-19**	2535.67
POWER EVACUATION SYSTEM	400kVD/C line to Nedunuru and Narsapur .	**EXP. DURING 2019-20**	2599.45
LAND POSSESSION	Being accomodated within land in possession of NTPC Ramagundam project. No new land acquired for the project.	**EXP. DURING 2020-21**	1308.35
		EXP. DURING 2021-22	149.94
WATER ALLOCATION	60 cusecs from Yellampally Barrage on Godavari river	**EXP. OF MAY'21**	91.97
MOEF CLEARANCE	20.01.2016, Valid upto 19.01.2024	**TOTAL EXPENDITURE (UPTO 31.05.21)**	**8,460.61**
CIVIL AVIATION CLEARANCE	29.03.2011		
CPCB CLEARANCE	Not Applicable		
SPCB CLEARANCE	Extension for Stg-1 approved by TSPCB up to 19-01-23		
FOREST CLEARANCE	Not Applicable		

UNDER-CONSTRUCTION UNITS WISE MILESTONE DATES (ACTUAL / ANTICIPATED)

Sl.	MILESTONE	UNIT-01		UNIT-02	
		Original Date of Completion	Actual/Anticipated Date of Completion	Original Date of Completion	Actual/Anticipated Date of Completion
1	COMPLETION OF BOILER FOUNDATION	Completed			
2	START OF BOILER ERECTION	Mar'2017	Dec'2017(A)	Sep'2017	Decc'2017(A)
3	BOILER DRUM LIFTING	Not Applicable			
4	BOILER CEILING GIRDER LIFTING COMPLETION	Completed			
5	BOILER HYDRO TEST (DRAINABLE) COMPLETION	Nov'2018	Jun'2021	May'2019	Aug'2021
6	BOILER HYDRO TEST (NON-DRAINABLE) COMPLETION	-	Aug'2021	-	Dec'2021
7		Jun'2019	Oct'2021	Dec'2019	Feb'2022
8	CHEMICAL CLEANING				
9	STEAM BLOWING START	-	Nov'2021	-	Mar'2022
10	STEAM BLOWING COMPLETION	Sep'2019	Dec'2021	Mar'2020	Apr'2022
11	HP PIPING ERECTION START				
12	HP PIPING ERECTION COMPLETION				
13	CONDENSER ERECTION START	Feb'2018	Jul'2018	Aug'2018	Feb 2019(A)
14	TG ERECTION START	May'2018	Aug'2018	Nov'2018	Mar'2019(A)
15	TG BOX UP	Apr'2019	Sep'2019(A)	Oct'2018	May'2020(A)
16	START OF OIL FLUSHING	Completed		-	Aug'21
17	ROLLING & SYNC.	Nov'2019	Jan'2022	May'2020	May'2022
18	FULL LOAD	Jan'2020	Mar'2022	Jul'2020	Jul'2022
19	TRIAL RUN	May'2020	Mar'2022	Nov'2020	Jul'2022
20	COD				
21	PG TEST START AND COMPLETION				

MAIN PLANT PACKAGE (BTG VENDOR):

Sl.	Packages	AREA	UNIT-01 (Percentage Completion)	UNIT-02 (Percentage Completion)
1	BOILER	CIVIL STRUCTURE PRESSURE PARTS		
2	TG	CIVIL STRUCTURE PRESSURE PARTS		
3	ESP	UNDER PROGRESS		
4	FGD	CONTRACT YET TO BE AWARDED		

STATUS OF BOPs

Sl.	Packages/ Linked Project Milestones	Vendor/Contracting Agency (EPC-BHEL)	UNIT-01 (Percentage Completion)	UNIT-02 (Percentage Completion)
1	Chimney	BHEL		
2	Coal Handling Plant	TATA Projects		
3	Ash Handling Plant	BHEL		
4	Fuel Oil System	TATA Projects		
5	Cooling Towers	TATA Projects		
6	CW Pump house & Piping	TATA Projects		
7	PT Plant	TATA Projects		
8	DM Plant	TATA Projects		
9	Air Compressor	TATA Projects		
10	Fire Protection System	TATA Projects		
11	Switch Yard	TATA Projects		
12	Station Transformers	TATA Projects		
13	Unit Transformers	TATA Projects		
14	Railway siding	TATA Projects		
15	Power Evacuation	Being done by Telangana Transco		

REASONS OF DELAY :

- Delay in Boiler design due to new De-Nox & De-Sox norms (New Env. norms came after opening of Price Bid and were incorporated in the contract). Accordingly, there was delay in Completion of Basic Engg. and Supply of Boiler / TG structures.
- Slow progress by BHEL sub-agency M/s B&R.
- Delay in Sand supply / Procurement at site (Due to restrictions by State Government of Telangana).
- Delay due to ongoing COVID-19 pandemic since Mar'20. Non-availability of Industrial oxygen during second wave.

PatratuTPS ,3X800 MW

As on 31.05.2021

CENTRAL SECTOR

Developer- PVUNL (JV of NTPC & Govt. of Jharkhand)]	**Zero Date:** 07.11.17	**Main Plant Vendor-**M/S BHEL (EPC-08.03.18)	**Original/Actual Trial Run UNIT-01**	Jan'22/August'23
			Original/Expected Trial Run UNIT-02	July'22/Feb'24
			Original/Expected Trial Run UNIT-03	Jan'23/August'24
ADDRESS : - Patratu Vidyut Utpadan Nigam Limited, Patratu, PO: PTPS, Patratu, Distt. Ramgarh, PIN - 829119			**E-GEN PORTAL:** REGISTRATION STATUS- NO	

CLEARANCES AND STATIC DATA		**FINANCIAL DATA (in Crore)**	
FUEL TYPE	Coal	**ORIGINAL ESTIMATED COST OF THE PROJECT**	Rs 18668 Crs including IDC, FC & WCM
COAL COMBUSTION TECHNOLOGY	Ultra super Supercritical	**LATEST ESTIMATED COST**	Not Applicable
APPROVAL DATE/NOTICE TO PROCEED (NTP)	Investment Approval accorded in 11th Board Meeting of PVUNL, dated 30.10.2017 subject to MOEF clearance. MOEF clearance letter received on 07.11.17. Zero date of the project is 07.11.17 as per investment approval accorded	**DATE OF FINANCIAL CLOSURE**	NP
ZERO DATE:	Zero date of the project is 07.11.17. EPC package awarded to BHEL on 08.03.18.	**EXP. DURING 2015-16**	4.69
PPA	85% allocated to Jharkhand, PPA signed on 30.03.16. 15% of power will remain as unallocated quota at the disposal of GoI	**EXP. DURING 2016-17**	127.18
COAL LINKAGE/FSA	12 MTPA for Ph-I from Banhardih Coal Mine at a distance of about 110 km. Banhardi Coal Mine transferred to PVUNL vide deed of adherence signed on 02.06.17. Bridge linkage granted. Allocation date ,sources, grade and quantity .Grade of Coal - G-11/12	**EXP. DURING 2017-18**	944.23
START UP POWER AGREEMENT	Through 7.5 kms Transmission line: Patratu-Patratu (Main Plant to Katia Substation) D/C Line	**EXP. DURING 2018-19**	745.41
POWER EVACUATION SYSTEM	Power evacuation voltage is envisaged at 400 kV through: Upcoming Patratu sub station (7.5 KM), Koderma Sub station (160 KM), New Chandil station (150 Km). One 400 KV ISTS also envisaged for connection with nearby ISTS substation at Ranchi/ Namkum (Jharkhand)	**EXP. DURING 2019-20**	1391.99
LAND POSSESSION	Total land identified for Ph-I is 1234 acres. 1199.03 acres land transferred to PVUNL by Govt of Jharkhand vide sankalp dt 08.09.17. 34.97 Acres of Private/Raiyati land lying in midst of Ash-dyke-II, the transfer is under process.	EXP. DURING 2020-21	1813.96
		EXP. DURING 2021-22	172.66
WATER ALLOCATION	Project is envisaged with Air cooled Condenser Technology. In principle commitment for 27 cusecs water available from Nalkari Dam Reservoir vide agreement dt 25.01.2016 with GoJ.	EXP. OF MAY'21	116.59
MOEF CLEARANCE	MOEF Clearance: EAC recommended for grant of EC for the project on EAC meeting held on 25.09.17. EC letter received on 07.11.17. Validity till 06.11.24.	**TOTAL EXPENDITURE (UPTO 31.05.21)**	5027.46
CIVIL AVIATION CLEARANCE	Civil Aviation Clearance: Received on 03.06.2016.		
CPCB CLEARANCE	CPCB Clearance: Not Applicable		
SPCB CLEARANCE	SPCB Clearance: CTE received on 19.10.2018. Validity till 06.11.24.		
FOREST CLEARANCE	No forest land in main plant area.		

UNDER-CONSTRUCTION UNITS WISE MILESTONE DATES (ACTUAL / ANTICIPATED)

Sl.	MILESTONE	UNIT-01		UNIT-02		UNIT-03	
		Original Date of Completion	Actual/Anticipated Date of Completion	Original Date of Completion	Actual/Anticipated Date of Completion	Original Date of Completion	Actual/Anticipated Date of Completion
1	COMPLETION OF BOILER FOUNDATION	May'19	30.04.19 (A)	Nov'19	28.12.19 (A)	May'20	20.01.21 (A)
2	START OF BOILER ERECTION	May'19	27.08.19 (A)	Nov'19	30.12.19 (A)	May'20	22.01.21 (A)
3	BOILER DRUM LIFTING	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
4	BOILER CEILING GIRDER LIFTING COMPLETION	Feb'20	25.03.21 (A)	Aug'20	30.05.21 (A)	Feb'21	Sept'21
5	BOILER HYDRO TEST (DRAINABLE) COMPLETION	Jan'21	Mar'22	July'21	Aug'22	Jan'22	July'23
6	BOILER HYDRO TEST (NON-DRAINABLE) COMPLETION	June'21	Aug'22	Dec'21	Jan'23	June'22	Dec'23
7		June'21	Dec'22	Dec'21	June'23	June'22	Dec'23
8	CHEMICAL CLEANING	July'21	Dec'22	Jan'22	June'23	July'22	Dec'22
9	STEAM BLOWING START	July'21	Jan'23	Jan'22	July'23	Aug'22	Jan'24
10	STEAM BLOWING COMPLETION	Sept'21	Mar'23	Mar'22	Sept'23	Oct'23	Mar'24
11	HP PIPING ERECTION START	July'20	Jan'22	Jan'21	July'23	Jan'23	Jan'23
12	HP PIPING ERECTION COMPLETION	May'21	Oct'22	Nov'21	April'23	Dec'23	Oct'23
13	CONDENSER ERECTION START	Feb'20	ACC package still not awarded	Aug'20	ACC package still not awarded	Feb'21	ACC package still not awarded
14	TG ERECTION START	June'20	Nov'21	Dec'20	May'22	June'21	Nov'22
15	TG BOX UP	May'21	Nov'22	Nov'21	May'23	May'22	Nov'23
16	START OF OIL FLUSHING	July'21	Dec'22	Jan'22	June'23	July'22	Dec'23
17	ROLLING & SYNC.	Nov'21	May'23	May'22	Nov'23	Nov'22	May'24
18	FULL LOAD	Dec'21	July'23	June'22	Jan'24	Dec'22	July'24
19	TRIAL RUN	Jan'22	August'23	July'22	Feb'24	Jan'23	August'24
20	COD	March'22	Sept'23	Sept'22	March'24	March'23	Sept'24
21	PG TEST START AND COMPLETION	NP	NP	NP	NP	NP	NP

MAIN PLANT PACKAGE (BTG VENDOR): M/S BHEL (EPC-08.03.18)

Sl.	Packages	AREA	UNIT-01 (Percentage Completion)	UNIT-02 (Percentage Completion)	UNIT-03 (Percentage Completion)
1	BOILER	CIVIL STRUCTURE PRESSURE PARTS	78% Civil RCC works completed.	76% Civil RCC works completed.	55% Civil RCC works completed
2	TG	CIVIL STRUCTURE PRESSURE PARTS	53% Civil RCC works completed	61% Civil RCC works completed	38% Civil RCC works completed
3	ESP	UNDER PROGRESS	16%	29%	5%
4	FGD	Civil works Just started and in progress.			

STATUS OF BOPs (BHEL-EPC)

Sl.	Packages/ Linked Project Milestones	Vendor/Contracting Agency (EPC-BHEL)	UNIT-01 (Percentage Completion)	UNIT-02 (Percentage Completion)	UNIT-03 (Percentage Completion)
1	Chimney	PSWR	96%	61%	35%
2	Coal Handling Plant	PSWR	19%		
3	Ash Handling Plant	PSWR	30%		
4	Fuel Oil System		NP	NP	NP
5	Cooling Towers	ACC is envisaged. ACC Package yet to be awarded by BHEL.	NOT APPLICABLE		
6	CW Pump house & Piping	ACC is envisaged. ACC Package yet to be awarded by BHEL.			
7	PT Plant	PSWR	NP	NP	NP
8	DM Plant	PSWR	10%		
9	Air Compressor	PSWR	NP	NP	NP
10	Fire Protection System	PESD, Hyderabad	NP	NP	NP
11	Switch Yard	TBG	60%		
12	Station Transformers	Bhopal	Work yet to start		
13	Unit Transformers	Jhansi	Work yet to start		
14	Railway siding	PMC Contractor- M/s RITES	NIL	NIL	NIL
15	Power Evacuation	To be constructed by JUSNL after approval from GoJ,	Work yet to start		

REASONS OF DELAY :

1:Poor performance of few sub-agencies.

CRITICAL AREA/ ASSSISTANCE REQUIRED:

Delay in award of Air Cooler Condenser (ACC) Mech Pkg by BHEL. LOI had been issued to Beijing Shouhang (China) in Dec 2019 by BHEL, but LOA and contract signing had not taken place due to new set of terms & conditions proposed by ACC vendor and change in Geo political situation. ACC Package was retendered on 28.11.20. Bid opened on 30.03.21 and technical evaluation / scrutiny of bids is under progress by BHEL. ACC supply is already delayed by 32 months by BHEL and BHEL has to expedite the award of contract with compressed schedule. Re-award of Ash Handling Package: BHEL has terminated the Ash Handling Package earlier awarded to M/s L&T. Retendered bid was opened on 22.03.21. Price bid opened on 22.05.21 and is under negotiation. Package is already delayed by 29 months and BHEL has to expedite the re-award of Package. Award of Start-up power line and balance 02 STU lines by GoJ: Start up powerline i.e. Patratu- Patratu (Main Plant to Katia Substation) D/C Line (7.5 Kms)- Proposal Approved. NIT done on 09.04.2021 by JUSNL. Technical BOD planned on 04.06.21 is now extended to 15.06.21. Award is critical for Start-up Power availability and Power evacuation from units. Patratu STPP- Koderma (JUSNL) 400kV D/C line (160 km): Erection of these lines is to be done by JUSNL under state funding. Investment proposal is still to be cleared by empowered committee of Govt. of Jharkhand. Patratu STPP- Chandil (JUSNL) 400kV D/C line are (150 km): Erection of these lines are to be done by JUSNL under state funding. Investment proposal is still to be cleared by empowered committee of Govt. of Jharkhand.

Rourkela PP-II Expansion, 1x 250 MW

As on 31.05.2021

CENTRAL SECTOR

Developer-JV of NTPC & Steel Authority of India (SAIL)	**Zero Date:11.5.2016**	**Main Plant Vendor**-M/S BHEL (BTG)	**Original/Actual Trial Run UNIT-01**	10.10.2018/ October, 2021
ADDRESS : - Rourkela, Dist: Sundargarh, Pin: 769011, Odisha			**E-GEN PORTAL:** REGISTRATION STATUS- YES, Reg No: U-01:N18000276	
CLEARANCES AND STATIC DATA			**FINANCIAL DATA (in Crore)**	
FUEL TYPE		Coal	**ORIGINAL ESTIMATED COST OF THE PROJECT**	1885.13
COAL COMBUSTION TECHNOLOGY		Subcritical	**LATEST ESTIMATED COST**	1885.13
APPROVAL DATE/NOTICE TO PROCEED (NTP)		11.05.16	**DATE OF FINANCIAL CLOSURE**	
ZERO DATE:		11.05.16 EPC agency - M/s BHEL		
PPA		100% power to be given to SAIL. PPA signed on 09.05.16	**EXP. DURING 2016-17**	237.51
COAL LINKAGE/FSA		Supply of 1.42 MTPA coal confirmed by SAIL from their Ramnagore Colliery on 29.08.13 and on 14.01.15 advised blending of MCL coal of CPP-II with Ramnagore coal in 50:50 ratio to improve coal quality.	**EXP. DURING 2017-18**	515.81
START UP POWER AGREEMENT		Startup power to be taken from 220 KV Power evacuation route.	**EXP. DURING 2018-19**	448.96
POWER EVACUATION SYSTEM		Evacuation at 220 KV level. Work up to switchyard in scope of EPC agency (M/s BHEL). Evacuation work after switchyard done by beneficiary (RSP, SAIL)	**EXP. DURING 2019-20**	354.67
LAND POSSESSION		• 80 acres required for main plant is within existing premises of NSPCL. • Dyke 'D' (140 acres) proposed to be used for expansion also.	**EXP. DURING 2020-21**	249.47
		8 cusec (reduced from 10 cusec, approved on 03.09.13) - Tarkera intake point / Brahamani on 07.06.17 - agreement signed on 24.03.18.	**EXP. DURING 2021-22**	11.02
WATER ALLOCATION		30.05.15	**EXP. OF MAY'21**	9.33
MOEF CLEARANCE		04.04.13	**TOTAL EXPENDITURE (UPTO 31.05.21)**	1817.82
CIVIL AVIATION CLEARANCE		-		
CPCB CLEARANCE		TOR approved (15.3.11) Public hearing done (16.1.13)		
SPCB CLEARANCE		-		
FOREST CLEARANCE				

UNDER-CONSTRUCTION UNITS WISE MILESTONE DATES (ACTUAL / ANTICIPATED)			
Sl.	MILESTONE	UNIT-01	
		Original Date of Completion	Actual/Anticipated Date of Completion
1	COMPLETION OF BOILER FOUNDATION	NP	30.05.2017
2	START OF BOILER ERECTION	10.02.2017	30.03.2017
3	BOILER DRUM LIFTING	08.06.2017	04.11.2017
4	BOILER CEILING GIRDER LIFTING COMPLETION	19.05.2017	NP
5	BOILER HYDRO TEST (DRAINABLE) COMPLETION	08.01.2018	08.09.2018
6	BOILER HYDRO TEST (NON-DRAINABLE) COMPLETION	NP	17.11.2020
7	BOILER LIGHT UP	10.04.2018	19.11.2020
8	CHEMICAL CLEANING COMPLETION	26.04.2018	17.01.2021
9	STEAM BLOWING START	NP	12.04.2021
10	STEAM BLOWING COMPLETION	10.06.2018	20.04.2021
11	HP PIPING ERECTION START	10.09.2017	14.11.2017
12	HP PIPING ERECTION COMPLETION	10.04.2018	09.04.2021
13	CONDENSER ERECTION START	10.07.2017	28.12.2017
14	TG ERECTION START	10.09.2017	27.11.2018
15	TG BOX UP	10.05.2018	26.03.2021
16	START OF OIL FLUSHING	16.05.2018	19.01.2021
17	ROLLING & SYNC.	10.08.2018	July,2021
18	FULL LOAD	10.09.2018	October, 2021
19	TRIAL RUN	10.10.2018	October, 2021
20	COD	10.11.2018	December, 2021
21	PG TEST START AND COMPLETION	NP	NP

MAIN PLANT PACKAGE (BTG VENDOR): M/S BHEL ()			
Sl.	Packages	UNIT-01	% Completion
1	BOILER	Civil works Structural works	99.81% 89.51%
2	TG	Civil works Structural works	98.66% 96.93%
3	ESP	Pass status	98.67%
4	FGD	Contract being retendered	

STATUS OF BOPs (BHEL-EPC)

Sl.	Packages/ Linked Project Milestones	Vendor/Contracting Agency	% Completion
1	Chimney	Bygging India	99%
2	Coal Handling Plant	OSM, RVPR, Sriram Enterprises, Vadim Infrastructure Pvt. Ltd. And S C Verghesse(TPS & Conveyors)	85%
		McNally Bharat &Sayagi, Sriram Enterprises, Vadim Infrastructure Pvt. Ltd. And S C Verghesse(Wagon Tippler)	40%
		McNally Bharat &Sayagi, Sriram Enterprises, Vadim Infrastructure Pvt. Ltd. And S C Verghesse(Stacker/Reclaimer)	90%
3	Ash Handling Plant	M/s S N Singh	60%
4	Fuel Oil System	BHEL, PSER and Trichy/B & R Co. (I) Ltd.	100%
5	Cooling Towers	Hammon (I), Powertronix & Nuvotronix	95%
6	CW Pump house & Piping	Golden Age, Powertronix & Nuvotronix	90%
7	PT Plant	Ion Exchange, Powertronix & Nuvotronix	50%
8	DM Plant	Ion Exchange, Powertronix & Nuvotronix	70%
9	Air Compressor	Elgi, Powertronix & Nuvotronix	95%
10	Fire Protection System	Powertronix & Nuvotronix	50%
11	Switch Yard	DAKESWARI ENTERPRISES&S.N.SINGH.	100%
12	Station Transformers	POWERTRONICS	100%
13	Unit Transformers	POWERTRONICS	90%
14	Railway siding	Laxmi Enterprises	30%
15	Power Evacuation	RSP	100%

REASONS OF DELAY :

1. Delay in award of work, less manpower deployment, engineering delay for SCR in absence of design parameters from Vendor and COVID-19 pandemic.

2:Delay in award of civil work, deployment of less manpower by the executing agency, delay in shifting on one bay of existing switchyard for 220 KV Line opposite i.e. East side of existing switchyard and COVID-19 Pandemic.

2:CRITICAL AREA/ ASSSISTANCE REQUIRED: Ash Dykes –D & E areas are yet to be physically handed over by RSP.

Ghatampur Thermal Power Project (3 x 660 MW)

As on 31.05.2021

CENTRAL SECTOR

Developer- NLC	**Zero Date:** 27.07.2016	**Main Plant Vendor-**M/s L&T & M/s GE (BTG)	**Original/Actual Trial Run UNIT-01**	29/05/2020 / SEP20 21
			Original/Expected Trial Run UNIT-02	27/11/2020 / FEB 2022
			Original/Expected Trial Run UNIT-03	29/05/2021 / JUNE 22
ADDRESS : -NEAR VILLAGE LAHURIMAU-KASIMPUR, GHATAMPUR TEHSIL, P.O.: SAMUHI-209206, KANPUR NAGAR DISTRICT, UTTAR PRADESH			**E-GEN PORTAL:** REGISTRATION STATUS- NO	

CLEARANCES AND STATIC DATA		**FINANCIAL DATA (in Crore)**	
FUEL TYPE	Coal	**ORIGINAL ESTIMATED COST OF THE PROJECT**	17237.8
COAL COMBUSTION TECHNOLOGY	Supercritical	**LATEST ESTIMATED COST**	As on date project sanctioned cost is not revised.
APPROVAL DATE/NOTICE TO PROCEED (NTP)	GoI Sanction (Zero Date) - 27.07.2016	**DATE OF FINANCIAL CLOSURE**	Rs. 1000 crore pending and balance of Rs 11067 Crore tied up with PFC and REC in 2018
ZERO DATE:	EPC Contractor Details: 1. Steam Generator Package (GA1)- L&T- MHI Power Boilers Pvt. Ltd/ LoA Date-02-08-2016 2. Steam Turbine Generator Package (GA2)- GE Power Systems India Pvt. Ltd /LoA Date- 02-08-2016 3. BoP Package (GA3)- BGR Energy Systems Ltd / LoA Date-21-11-2016	**EXP. DURING 2016-17**	927.76
PPA	75% PPA Signed with Uttar Pradesh Power Corporation Ltd.(UPPCL). Signing of balance 25% PPA is balance.	**EXP. DURING 2017-18**	1,228.45
COAL LINKAGE/FSA	Allocation Date- 03.10.2016. Allocated Mine (Source) - Pachwara South Coal Block Grade - G10 Quantity- Net Geological Reserve 373.52 MT.Extractable reserve - 262.84MT Pachwara South Coal Block will be fully funtional by the end of Financial Year 2026-27 and will be able to meet thecoal requirement of NUPPL. Hence, NUPPL is seeking coal under bridge linkage by the time Pachwara South Coal Block will be fully funtional.	**EXP. DURING 2018-19**	3,517.83
START UP POWER AGREEMENT	There are four incoming lines for 132KV Start-up power. Four lines are from: 1. Sarh-1 to NUPPL, 2. Ghatampur to NUPPL, 3. Sarh-2 to NUPPL, 4. Hamirpur to NUPPL. Out of four two are connected and we are availing power through two lines (Ghatampur to NUPPL & Sarh-2 to NUPPL).	**EXP. DURING 2019-20**	3,525.17
POWER EVACUATION SYSTEM	Power Evacuation from 1st Unit of 3X660MW Plant is through " 765KV, Single Circuit, Ghatampur-Agra Transmission line" (GATL). GATL line is made ready by GTL and is presently anti-theft charged upto dead end tower near our plant boundary. 765KV, Single Circuit, Ghatampur Hapur Line is also 98% ready and is expected to be duly available during synchronization of 1st Unit. 1st circuit of 400KV Double Circuit, Ghatampur-Kanpur Transmission line is also completed by GTL and is available for power evacuation. However, at NUPPL end, 765KV switchyard readiness shall be prior to 400KV switchyard. So, power evacuation is likely to happen through 765KV Agra and Hapur Lines at starting.	EXP. DURING 2020-21	2,253.18
		EXP. DURING 2021-22	398.84
LAND POSSESSION	Total Requirement -1024 Ha , Under possession: 1006 Ha	EXP. OF MAY'21	277.01
WATER ALLOCATION	80 cusec from UP Irrigation department (44.6 km from GTPP)	**TOTAL EXPENDITURE (UPTO 31.05.21)**	11729.39
MOEF CLEARANCE	Clearance obtained date from concerned authority-: 17.06.2015 validity of it (If any).:- 7 Years		
CIVIL AVIATION CLEARANCE	Clearance obtained date from concerned authority:- 13.12.2013 validity of it (If any).:- 5 Years, NUPPL had sent compliance to AAI regarding the NoC condition, AAI Reply is awaited.		
CPCB CLEARANCE	NOT APPLICABLE		
SPCB CLEARANCE	Clearance obtained date from concerned authority,:- 17.11.2017 validity of it (If any).- 5 Years		
FOREST CLEARANCE	NOT APPLICABLE		

UNDER-CONSTRUCTION UNITS WISE MILESTONE DATES (ACTUAL / ANTICIPATED)

Sl.	MILESTONE	UNIT-01		UNIT-02		UNIT-03	
		Original Date of Completion	Actual/Anticipated Date of Completion	Original Date of Completion	Actual/Anticipated Date of Completion	Original Date of Completion	Actual/Anticipated Date of Completion
1	COMPLETION OF BOILER FOUNDATION	01-01-2017	17-03-2017 (Actual)	01-07-2017	21-08-2017 (Actual)	28-12-2017	-
2	START OF BOILER ERECTION	01-09-2017	27-02-2018 (Actual)	01-03-2018	30-06-2018 (Actual)	28-08-2018	-
3	BOILER DRUM LIFTING	NA	NA	NA	NA	NA	-
4	BOILER CEILING GIRDER LIFTING COMPLETION	01-05-2018	25-11-2018 (Actual)	01-11-2018	04-04-2019 (Actual)	01-05-2019	-
5	BOILER HYDRO TEST (DRAINABLE) COMPLETION	NA	NA	NA	NA	NA	NA
6	BOILER HYDRO TEST (NON-DRAINABLE) COMPLETION	01-05-2019	06-01-2021 (Actual)	01-11-2019	24-02-2021 (Actual)	01-05-2020	
7	BOILER LIGHT UP	30-11-2019	31-05-21	30-05-2020	30-09-2021	30-11-2020	31-01-2022
8	CHEMICAL CLEANING	30-10-2019	-	30-04-2020	-	30-10-2020	-
9	STEAM BLOWING START	15-12-2020		15-06-2020	-	15-12-2020	-
10	STEAM BLOWING COMPLETION	30-01-2020	31-07-2021	30-07-2020	30-11-2021	30-01-2021	28-02-2022
11	HP PIPING ERECTION START	12-01-2019	30-10-2019 (Actual)	12-07-2019	21-02-2019 (Actual)	12-01-2019	-
12	HP PIPING ERECTION	10-06-2019	-	10-06-2020	-	12-06-2020	-
13	CONDENSER ERECTION START	19-07-2018	09-03-2019 (Actual)	19-01-2019	03-01-2020 (Actual)	19-07-2019	02-03-2021 (Actual)
14	TG ERECTION START	03-07-2018	08-02-2019 (Actual)	03-01-2019	29-02-2020 (Actual)	03-07-2019	30-04-2021 (Actual)
15	TG BOX UP	02-07-2019	23-10-2019 (Actual)	02-01-2020	31-08-2021	02-07-2020	31-12-2021
16	START OF OIL FLUSHING	30-11-2019	27-10-2020 (Actual)	31-05-2020	-	30-11-2020	-
17	ROLLING & SYNC.	01-03-2020	31-08-2021	31-08-2020	31-12-2021	01-03-2021	31-03-2022
18	FULL LOAD	01-04-2020	-	31-10-2020	-	01-04-2021	
19	TRIAL RUN	29-05-2020	-	27-11-2020	-	29-05-2021	
20	COD	01-06-2020	01-11-2021	30-11-2020	31-03-2022	01-06-2021	31-07-2022
21	PG TEST START AND COMPLETION	01-09-2020	-	01-03-2021	-	01-09-2021	-

MAIN PLANT PACKAGE (BTG VENDOR):

Sl.	Packages	AREA	UNIT-01 (Percentage Completion)	UNIT-02 (Percentage Completion)	UNIT-03 (Percentage Completion)
1	BOILER	CIVIL STRUCTURE PRESSURE PARTS	84.08%	66%	57%
2	TG	CIVIL STRUCTURE PRESSURE PARTS	94%	79.01%	53.84%
3	ESP	UNDER PROGRESS	96%	83%	42%
4	FGD	Expected Date of LoA issue: June 2021			

STATUS OF BOPs

Sl.	Packages/ Linked Project Milestones	Vendor/Contracting Agency (EPC-BHEL)	UNIT-01 (Percentage Completion)	UNIT-02 (Percentage Completion)	UNIT-03 (Percentage Completion)
1	Chimney	BGR Energy System Ltd.	80.67%		
2	Coal Handling Plant	BGR Energy System Ltd.	57%		
3	Ash Handling Plant	BGR Energy System Ltd.	53%		
4	Fuel Oil System	M/s L&T MHPS Boiler Private Limited-(LMBPL)	95.40%		
5	Cooling Towers	BGR Energy System Ltd	83.82%	52.93%	42.15%
6	CW Pump house & Piping	BGR Energy System Ltd	81.68%		
7	PT Plant	BGR Energy System Ltd	93.91%		
8	DM Plant	BGR Energy System Ltd	95%		
9	Air Compressor	M/s L&T MHPS Boiler Private Limited-(LMBPL)	99.41%		
10	Fire Protection System	BGR Energy System Ltd	43.59%		
11	Switch Yard	BGR Energy System Ltd	62%		
12	Station Transformers	M/s GE-Power Systems India Pvt. Ltd. - (GE-Power)	100%	40%	NIL
13	Unit Transformers	M/s GE-Power Systems India Pvt. Ltd. - (GE-Power)	85%	NIL	NIL
14	Railway siding	M/s. RITES	72%		
15	Power Evacuation	M/s. Ghatampur transmission limited (Adani transmission limited)	1st element - 99% 2nd element -100% 3rd element- 98%		

REASONS OF DELAY :
1:BKU Strike for 178 days, Impact of Covid-19 and Financial crunch being faced by the agency.
CRITICAL AREA/ ASSSISTANC EREQUIRED: PPA Signing for balance 25% is pending.

Khurja Super Thermal Power Project (STPP), 2X660 MW

As on 31.05.2021
CENTRAL SECTOR

Developer- THDC	Zero Date: 29.08.2019	**Main Plant Vendor**-M/s L&T MHI Power Boilers Pvt. Ltd. (LMB) & BHEL	**Original/Actual Trial Run UNIT-01**	02.07.23/02.01.24
			Original/Expected Trial Run UNIT-02	02.01.24/02.07.24
ADDRESS : - Corporate Office: Ganga Bhawan, Pragatipuram, Bypass Road, Rishikesh-249201 (Uttarakhand) Registered Office: Bhagirathi Bhawan (Top Tarrace), Bhagirathipuram, Tehri Garhwal-249001 (Uttarakhand)			**E-GEN PORTAL:** REGISTRATION STATUS- NO	
CLEARANCES AND STATIC DATA			**FINANCIAL DATA (in Crore)**	
FUEL TYPE		COAL	**ORIGINAL ESTIMATED COST OF THE PROJECT**	Rs.11,089.42 Cr. (Dec-17 PL) Investment Approval accorded on 07.03.19.
COAL COMBUSTION		Ultra Supercritical	**LATEST ESTIMATED COST**	Not Applicable
APPROVAL DATE/NOTICE TO PROCEED (NTP)		CCEA accorded Investment Approval for Khurja STPP in District Bulandshahar of Uttar Pradesh at an estimated cost of Rs.11,089.42 Cr. at Dec-17 PL, on 07.03.2019.	**DATE OF FINANCIAL CLOSURE**	The Project is being funded with a Debt Equity ratio of 70:30. Equity portion is being arranged by THDCIL from internal resources and Debt portion is being arranged by borrowing through Banks/ Financial Institutions and through issuance of bonds.
ZERO DATE:		Zero Date : 29.08.2019 (with respect to Award of Main Plant Package i.e. Steam Generator & Associated Packages)	**EXP. DURING 2016-17**	338.92
PPA		PPAs for entire off take-off power to be generated from Khurja STPP have been signed by THCDIL prior to 05.01.2011 with Uttar Pradesh, Uttrakhand, Rajasthan, Himachal Pradesh and Delhi. Out of 1320 MW, 60% power (792 MW) is to be supplied to UP & balance 40% power (528 MW) is to be supplied to other beneficiary states as per allocation to be done by Ministry of Power.	**EXP. DURING 2017-18**	10.66
COAL LINKAGE/FSA		For Coal linkage, Ministry of Coal, GoI vide allotment order dtd.17.01.2017 has allotted Amelia Coal Mine in District Singraulli, Madhya Pradesh to THDCIL to meet out fuel requirements of the project. Grade of Coal: G9 (Avg. GCV = 4746 Kcal/Kg) Net Geological Reserve in Amelia Coal Mine is 162.05 Million Ton (OC) out of this Extractable Coal Reserve is 139.48 Million Ton.	**EXP. DURING 2018-19**	148.87
START UP POWER AGREEMENT		Connectivity has been granted by CTU vide its letter No.C/CTU/N/05/1200002404 dated.18.03.2020 for evacuation of 528 MW power from Khurja (2x660 MW) STPP to ISTS beneficiaries. Signing of Connectivity agreement is under process. In line with the granted connectivity, power evacuation system is under implementation through Powergrid Corporation Of India Limited and is likely to completed by June-2022. Thereafter THDCIL will request RLDC for availing start up power as per CERC Regulations.	**EXP. DURING 2019-20**	439.95
POWER EVACUATION SYSTEM		a) Power Evacuation system to ISTS Beneficiaries :- MOU already signed with PGCIL on 26.06.2020 for Implementation of 400 kV Double Circuit alongwith construction of Associated bays at Aligarh Sub-Station for evacuation of Power from Khurja (2x660 MW) STPP. The scope of power evacuation system has been split into two packages namely Sub-station and transmission line package. The status of these two packages is as follows: (i) Sub-Station Package : Notification of award issued on 25.03.2021 to M/s HYOSUNG INDIA with a completion period of 15 Months and the works are under progress.(ii) Transmission Line Package : Notification of award issued on 02.03.2021 to M/s Unitech Power Transmission Limited with a completion period of 15 Months and works are under progress. b) Power Evacuation system to UP :- In line with 2nd meeting of Northern Region Power Committee (Transmission Planning) held on 01.09.2020, UPPTCL will directly evacuate their share of power i.e. 60% (792 MW) from Khurja STPP Switchyard Busbar by establishing LILO of one circuit of Aligarh - Shamli 400 kV D/C line at Khurja STPP as intra- State network and the works are under progress.	**EXP. DURING 2020-21**	789.69
			EXP. DURING 2021-22	89.34
LAND POSSESSION		Physical possession of total 1200.843 Acres land has been obtained and work is in progress in entire plant land through various main plant packages.	**EXP. OF MAY'21**	50.31
WATER ALLOCATION		Formal water commitment letter for providing 43 Cusec water for Makeup Water System from Upper Ganga Canal at just 11 Km from Project site issued by Water Resource Department, GoUP on 12.06.2014.	**TOTAL EXPENDITURE (UPTO 31.05.21)**	1866.32
MOEF CLEARANCE		Environmental Clearance has been accorded to Khurja STPP by MOEF&CC on 30.03.2017 with validity upto 29.03.2024.		
CIVIL AVIATION CLEARANCE		Clearance for construction of chimney for Khurja STPP has been obtained from Airport Authority of India (AAI) on 19.04.2018 with validity up to 17.07.2023.		
CPCB CLEARANCE		NOT APPLICABLE		
SPCB CLEARANCE		"Consent to Establish" has been granted by SPCB Uttar Pradesh on 13.06.2018 with validity upto 01.06.2023.		
FOREST CLEARANCE		NOT APPLICABLE		

UNDER-CONSTRUCTION UNITS WISE MILESTONE DATES (ACTUAL / ANTICIPATED)

Sl.	MILESTONE	UNIT-01		UNIT-02	
		Original Date of Completion	Actual/Anticipated Date of Completion	Original Date of Completion	Actual/Anticipated Date of Completion
1	COMPLETION OF BOILER FOUNDATION	29.09.2020	20.01.2021	29.03.2021	31.07.2021
2	START OF BOILER ERECTION	29.10.2020	20.02.2021	29.04.2021	31.08.2021
3	BOILER DRUM LIFTING	NA	NA	NA	NA
4	BOILER CEILING GIRDER LIFTING COMPLETION	28.05.2021	10.07.2021	28.11.2021	30.03.2022
5	BOILER HYDRO TEST (DRAINABLE) COMPLETION	29.05.2022	29.11.2022	29.11.2022	29.05.2023
6	BOILER HYDRO TEST (NON-DRAINABLE) COMPLETION	---	---	---	---
7		29.10.2022	29.04.2023	29.04.2023	29.10.2023
8	CHEMICAL CLEANING	29.10.2022	29.04.2023	29.04.2023	29.10.2023
9	STEAM BLOWING START	---	---	---	---
10	STEAM BLOWING COMPLETION	29.12.2022	29.06.2023	29.06.2023	29.12.2023
11	HP PIPING ERECTION START	28.06.2021	28.12.2021	28.12.2021	28.06.2022
12	HP PIPING ERECTION	26.10.2022	26.04.2023	26.04.2023	26.10.2023
13	CONDENSER ERECTION START	02.09.2021	02.03.2022	02.03.2022	02.09.2022
14	TG ERECTION START	03.09.2021	03.02.2022	03.03.2022	03.08.2022
15	TG BOX UP	04.08.2022	04.02.2023	04.02.2023	04.08.2023
16	START OF OIL FLUSHING	03.11.2022	03.05.2023	03.05.2023	03.11.2023
17	ROLLING & SYNC.	02.04.2023	02.10.2023	02.10.2023	02.04.2024
18	FULL LOAD	02.06.2023	02.12.2023	02.12.2023	02.06.2024
19	TRIAL RUN	02.07.2023	02.01.2024	02.01.2024	02.07.2024
20	COD	02.08.2023	02.02.2024	02.02.2024	02.08.2024
21	PG TEST START AND COMPLETION	Start – 30.04.23 Finish – 29.05.23	Start – 30.10.23 Finish – 29.11.23	Start – 30.10.23 Finish – 29.11.23	Start – 30.04.24 Finish – 29.05.24

MAIN PLANT PACKAGE (BTG VENDOR): M/s L&T MHI Power Boilers Pvt. Ltd. (LMB) & BHEL

Sl.	Packages	AREA	UNIT-01 (Percentage Completion)	UNIT-02 (Percentage Completion)
1	BOILER	CIVIL STRUCTURE PRESSURE PARTS	33% 5.4% 0%	12% 0% 0%
2	TG	CIVIL STRUCTURE PRESSURE PARTS	65.6% 0.7% 0%	35.3% 0% 0%
3	ESP	UNDER PROGRESS	0%	0%
4	FGD	FGD system is in the scope of SG package of Khurja STPP. The contractor M/s LMB has placed the order for FGD system. Detailed engineering for the same in under progress.		

STATUS OF BOPs

Sl.	Packages/ Linked Project Milestones	Vendor/Contracting Agency (EPC-BHEL)	UNIT-01 (Percentage Completion)	UNIT-02 (Percentage Completion)
1	Chimney	M/s L&T MHI Power Boilers Pvt. Ltd	87 % of Piling	
2	Coal Handling Plant	In tendering process		
3	Ash Handling Plant	M/s L&T MHI Power Boilers Pvt. Ltd	79 % of Piling	
4	Fuel Oil System	M/s L&T MHI Power Boilers Pvt. Ltd		
5	Cooling Towers	M/s Paharpur Cooling Towers Ltd.		
6	CW Pump house & Piping	In tendering process		
7	PT Plant	In tendering process		
8	DM Plant	In tendering process		
9	Air Compressor	In tendering process		
10	Fire Protection System	In tendering process		
11	Switch Yard	M/s GET&D		
12	Station Transformers	BHEL	5%	
13	Unit Transformers	BHEL	5%	
14	Railway siding	M/s Jhajhariya Nirman Ltd M/s ISC-CMIPL (JV)		
15	Power Evacuation	M/s Unitech Power Transmission M/s Hyosung India	1%	

REASONS OF DELAY :

6 Months Post Award delay due to COVID-19 Pandemic.

BROAD STATUS OF CENTRAL SECTOR THERMAL POWER PROJECTS
(SJVN Limited)

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. com.	COD	Syn. com	Trial-run COD	
	Central Sector						
1.	**Buxar TPP Village Chausa, Distt Buxar, Bihar (SJVNL)**	1320					**Boiler:** Pile cap (raft foundation work) ,Structure Erection started on 21.10.2020. Pilling of Boiler 2 is in progress. Pilling, raft foundation and structure erection for ESP-I and pilling work for ESP-II in progress. Pilling for coal mills I& II completed. Deck foundation of Mill-I in progress. **TG:** civil work started in 03/20 & 03/21 for U-1& 2.Plie foundation for STG-I completed. Main Plant works (Single EPC) awarded to M/s L&T on 22.06.2019. **BoP:** **Chimney:** Piling work for foundation completed. Concreting and Reinforcement work for pile cap raft foundation i/p. **CHP:** Track Hopper: Reinforcement work under progress. Wagon Tippler: Foundation reinforcement work in progress **AHP:** Piling for Bottom Ash Hopper-I foundation completed . Raft foundation work in proqress **DM Plant**: Piling work for DM Water Building and Foundation work for DM Water tanks completed . Column concreting in progress **PT Plant**: RCC work for Clarified Water Tank, Clarifier and Sludge Thickener in proqress. **CW system**: Excavation and RCC work in CW forebay in progress. CW pipe fabrication work i/p. **CT**: foundation of IDCT-1 and its control building in progress. **Switchyard:** Civil foundation work i/p. for 400kV and 220kV GIS switchyard and control room. **FGD**: raft foundation for FGD absorber-I & II i/p.
	U-1	660	02/23 05/23	07/23		07/23	
	U-2	660	08/23 11/23	01/24		01/24	
	Original/Latest Cost	: Rs 10439 Cr (01/2018)					
	Exp. During 2013-14 2014-15 2015-16 2016-17 2017-18 2018-19 2019-20 2020-21 2021-22	:Rs. 46.68 Cr :Rs. 15.18 Cr :Rs. 378.08 Cr :Rs. 23.96 Cr :Rs. 21.73 Cr :Rs. 68.21 Cr :Rs. 344.50 Cr :Rs. 1100.05 Cr :Rs. 37.11 Cr					
	CumulativeExpenditure	Rs. 2111.61 Crores (up to 05/21)					
	Type of fuel	: Coal					
	Zero Date	22.06.2019					
	Date of Main Plant Order (BTG)	Main Plant works (Single EPC) awarded to M/s L&T on 22.06.2019.					
	Power Evacuation	Meeting held with Principal Secretary, Energy Deptt., GoB on 10.02.20 and with BSPGCL on 19.02.20 to resolve the issues of Power Evacuation system.Matter being follow up with CEA/MoP.					
	MOE&F clearance: MOEF &CC Clearanace on 28.02.17. • NOC issued on 12.04.17from airport authority. • CCEA accorded investment approval for the project on 08.03.19. Foundation stone laid by Hon'ble Prime Minister of India on 09.03.19. • Power Purchase Agreement (PPA) has been signed with Bihar State Power Holding Company Limited (BSPHCL) for 85% share of power generation on bus bar rate. • Consent to establish : NOC granted by Bihar State Pollution Control Board on 03.09.2019. • Coal : Long-term coal linkage tied up through Central Coalfields Ltd. (CCL) vide Letter of Assurance (LoA) dated 10.12.2018						
	Critical Areas	Land Acquisition:The project is scheduled to commis ion in FY 2023-24 .Acquisition of land for Rail infrastructure corridor and Water pipe line corridor, Intake, Main Gate & Extra land for the project is critical for timely commissioning of the project. Matter needs to be taken up with Govt. of Bihar for early acquisition Law and Order :Construction activities of project have been commenced but construction work is being disrupted by locals frequently. Cooperation from Administration is required for uninterrupted construction activities of the project.					
	Reasons for Delay						

MK 21.05.21

STATE
&
PRIVATE SECTOR

Thermal Power Plants

NORTHERN REGION

Thermal Power Plants

SURATGARH SUPERCRITICAL THERMAL POWER PROJECT,2X660 MW

As on 31.05.2021

STATE SECTOR

Developer- RVUN	**Zero Date:**28.03.2013	**Main Plant Vendor-**M/S BHEL (EPC Contract-28.03.2013)	**Original/Actual Trial Run UNIT-07**	SEP 2016/ 15 MARCH 2020
			Original/Expected date Trial Run UNIT-08	28-11-2016/ JUNE 21
ADDRESS : - STPS-SC, Village-Thukrana, Tehsil- Suratgarh, Dist.-Sriganganagar, Rajasthan (335804).			**E-GEN PORTAL:** REGISTRATION STATUS- YES, Reg No: U-08:1200000800	

CLEARANCES AND STATIC DATA		**FINANCIAL DATA (in Crore)**	
FUEL TYPE	Coal	**ORIGINAL ESTIMATED COST OF THE PROJECT**	7920 cr. (02.03.2009)
COAL COMBUSTION TECHNOLOGY	Supercritical Technology	**LATEST ESTIMATED COST**	8966.47 cr (19.07.2019)
APPROVAL DATE/NOTICE TO PROCEED (NTP)	Administartive & Financial approval accorded by GoR on 02.03.2009	**DATE OF FINANCIAL CLOSURE**	NA
ZERO DATE:	28.03.2013	**EXP. DURING 2015-16**	4881.89
PPA	Signed on 18.05.2010 with Rajasthan Discoms	**EXP. DURING 2016-17**	1642.28
COAL LINKAGE/FSA	Approval accorded by Ministry of Coal, Govt. of India, New Delhi, to use Coal from Parsa East &Kanta Basin Coal blocks of RVUN vide letter Dt. 03.02.2012.	**EXP. DURING 2017-18**	1080.18
START UP POWER AGREEMENT	As per PPA	**EXP. DURING 2018-19**	1053.15
POWER EVACUATION SYSTEM	Through 4 nos. 400 K.V. Transmission lines of RVPN network.	**EXP. DURING 2019-20**	1102.71
LAND POSSESSION	672.873 Hect.	**EXP. DURING 2020-21**	1056.18
		EXP. DURING 2021-22	319.81
WATER ALLOCATION	60 cusec by WRD from INGP of dated 02.09.2009	**EXP. OF MAY'21**	106.28
MOEF CLEARANCE	EC granted by MoEF on 23.05.2012 and further extended upto 22.5.2022	**TOTAL EXPENDITURE (UPTO 31.05.21)**	10881.60
CIVIL AVIATION CLEARANCE	NOC issued by Airport Authority of India vide letter no. AAI/NOC/2010/79/938-940 dated 26.04.2010. (3) CPCB CLEARANCE: NIL		
CPCB CLEARANCE	NOT APPLICABLE		
SPCB CLEARANCE	(i) Consent to Establish:- Date of obtained:- 04.06.2013 Validity :- Up to 22.05.2020 (i) Consent to Establish:- Date of obtained:- 16.12.2020 Validity :- 31.10.2017 to 30.09.2022		
FOREST CLEARANCE	NOT APPLICABLE		

UNDER-CONSTRUCTION UNITS WISE MILESTONE DATES (ACTUAL / ANTICIPATED)			
Sl.	MILESTONE	UNIT-08	
		Original Date of Completion	Actual/Anticipated Date of Completion
1	COMPLETION OF BOILER FOUNDATION	25.05.2014	04.07.2014
2	START OF BOILER ERECTION	28.06.2014	25.06.2014
3	BOILER DRUM LIFTING	NA	
4	BOILER CEILING GIRDER LIFTING COMPLETION	23.12.2014	01.04.2015
5	BOILER HYDRO TEST (DRAINABLE) COMPLETION	28.11.2015	15.03.2016
6	BOILER HYDRO TEST (NON-DRAINABLE) COMPLETION	10.04.2016	27.07.2018
7	BOILER LIGHT UP	29.05.2016	28.09.2017
8	CHEMICAL CLEANING	13.07.2016	06.10.2018
9	STEAM BLOWING START	10.08.2016	04.03.2019
10	STEAM BLOWING COMPLETION	29.08.2016	07.06.2019
11	HP PIPING ERECTION START	02.09.2015	25.05.2016
12	HP PIPING ERECTION COMPLETION	10.07.2016	09.07.2019
13	CONDENSER ERECTION START	15.03.2015	28.06.2015
14	TG ERECTION START	15.04.2015	05.11.2015
15	TG BOX UP	15.06.2016	09.11.2017
16	START OF OIL FLUSHING	28.07.2016	18.08.2018
17	ROLLING & SYNC.	28.09.2016	23.03.2021
18	FULL LOAD	28.10.2016	June-21
19	TRIAL RUN	28.11.2016	June-21
20	COD	28.12.2016	June-21
21	PG TEST START AND COMPLETION	28.12.2016	July-21

MAIN PLANT PACKAGE (BTG VENDOR): M/S BHEL (28.03.2013)			
Sl.	Packages	UNIT	% Completion
1	BOILER	UNIT-08	98.8
2	TG	UNIT-08	91.06
3	ESP	UNIT-08	96.5
4	FGD	UNIT-08	Revised NIT floated on 25.03.2021.

STATUS OF BOPs

Sl.	Packages/ Linked Project Milestones	Vendor/Contracting Agency (EPC- BHEL)	% Completion
1	Chimney	M/s Simplex Infrastructure	99.05
2	Coal Handling Plant	M/s Zuberi Engineering Company(Conveyor package)	50.28
		M/s GDCL(Wagon tippler)	50.28
		ISG M/s L&T(Stacker Reclaimer)	50.28
3	Ash Handling Plant	ISG	87.94
4	Fuel Oil System	M/s. BHEL-PSER	97
5	Cooling Towers	M/s BGR	98.64
6	CW Pump house & Piping	M/s Power Mech	100
7	PT Plant	M/s VA Tech	100
8	DM Plant	M/s Thermax Limited	100
9	Air Compressor	M/s Ingersol	100
10	Fire Protection System	M/s Jyoti Turbo BHEL-TBG, M/s Sterling & Wilson	82
11	Switch Yard	M/s Telmos Electronics	94.02
12	Station Transformers	M/s Telmos Electronics	100
13	Unit Transformers	M/s Sigma	100
14	Railway siding	NWR- Bikaner	63
15	Power Evacuation	M/s RVPNL/ M/s Adani	

REASONS OF DELAY :

1. Delay in ordering & engineering by M/s BHEL.
2. M/s BHEL delayed in submission of drawings to M/s TCE (consultant of RVUNL) for approval.
3. Many incompetent sub agencies deployed under the banner of M/s BHEL main contract due to which several types of labour disputes arose and work could not be commenced and completed in time.
4. Inadequate man power supply & non availability of Civil front.
5. Lack of co-ordination between different units of M/s BHEL, no senior officer of M/s BHEL posted at SSCTPP, Suratgarh site for proper co-ordination between different units of BHEL, which hampered the progress of project.
6. Due to world wide spread of COVID pandemic.

BROAD STATUS OF THERMAL POWER PROJECTS IN UTTAR PRADESH

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) / As now Anticipated.		
			Syn. Comm	COD	Syn. Comm	Trial-run COD	
2	**Harduaganj Expn. -II UPRVUNL Distt.: Aligarh, U.P**						**Boiler:** Boiler Light Up completed, Mill Bay, APH structure erection completed, Insulation & Cladding work is in progress, Boiler & Auxiliaries major erection completed. APH-B & SCR- B erection is under progress.ID Fan-A, PA Fan-A erection work completed. Air Duct & Gas Duct, Expansion Joints & Dampers erection completed.Stream-B duct erection and insulation work in progress. **TG & Aux:** LP condenser flash box work & neck joint welding in progress. HP condenser neck joint welding completed & Gland steam work in progress HP, IP Turbine trial box-up in progress, CRV & MSV erection completed.3. TG Building: Ground & Mezzanine & Operating floor all equipment foundations completed. HP Turbine, IP Turbine, LP-A & B final box-up completed. **ESP:** All Passes ATT completed. Pass-A,B,C ALT completed. Balance erection work under progress. **BOP areas :** Civil works under progress. • **Chimney:** Shell construction , Corbel work, AR Brick lining work completed. External Platform & Hopper work completed. Chimney outside painting completed. CEMS & Electrical cable tray work in progress.. • **Raw Water system**: Raw water Reservoir-A & B completed, RW Intake Pump House and RWPH major Civil works completed. • **PT Plant:** Mechanical, Electrical and C&I erection completed. PT Plant both streams in operation. Chemical House, Chlorination building, CWST & PH finishing works is in progress.ETP/ERS mechanical erection in progress. • **CHP:** Major equipment & structure material received at site. Track Hopper civil works in progress. Crusher House & ERH major erection completed. Commissioning activities under progress. • **AHP:** Ash Slurry Piping Fabrication & Laying work in progress. Ash water pumps erected, Fly Ash piping works in progress at ESP. Bottom Ash Hopper major erection completed. Ash Slurry Piping inside & outside plant to Ash dyke erection in progress. • **IDCT:** All 24 cells mechanical, electrical work completed. Fan Load trial & Group trial completed. • **DM plant**: Regeneration equipment& piping erection completed. DMWST-A & B water fill test completed, Now in operation. Stream-A & B commissioning completed. In Operation. • **Switchyard:** Erection of Switchyard Structure, EHV Equipment's completed. 220 KV & 400 KV Switchyard charging completed. Transmission Tower-1 & 2 erection completed. Switchyard in charged condition and start up power available for commissioning works. • **FGD Plant:** FGD awarded to M/S Doosan. Major civil works completed. Mechanical erection is in progress. Lime stone & Gypsum processing building civil works in progress Absorber Tower Make up water tank& steel structure erection in progress. GGH, Absorber tower, ARP/OAB, Pumps & Steel Major structure erection completed.
	Unit-1	660	09/19 11/19	01/20	06/21 06/21	07/21 08/21	
	Original//Latest Cost	: Rs. 4826.49 Cr. / Rs. 5500.98 Cr due to inclusion of FGD & SCR / Rs. 6011.83 Cr which is approved by ATS and submitted to cabinet.					
	Exp. During 2015-16 Exp. During 2016-17 Exp. During 2017-18 Exp. During 2018-19 Exp. During 2019-20 Exp. During 2020-21 Exp. During 2021-22	: Rs. 305.81 Crores : Rs 115.13 Crores : Rs 458.10 Crores : Rs 1223.83 Crores : Rs 1339.22 Crores : Rs. 775.91 Crores :Rs. 42.97 Crores					
	Cumulative Exp.	:Rs 4261.01 Crores (upto 05/2021)					
	Date of Financial Closure	: Achieved on 14.03.2012 (80% PFC Loan & 20% government equity). After 2nd revision, 70% PFC loan & 30% Govt. Equity.					
	Type of fuel	: Coal					
	Date of Main Plant Order/BoPs	: M/s Toshiba JSW Systems Private Limited as a single EPC basis on 08.09.2015 Boiler: Doosan, India ; TG & Generator: Toshiba JSW Power Systems					
	Zero date	: 08.09.2015					
	NTP (Notice to proceed) date	: 08.09.2015					
	PPA	: Signed on 16.01.13					
	Fuel Linkage	: From Saharpur-Jamarpani, Jharkhand coal Block allocated on 25.03.15.					
	Power Evacuation System	400kV Switchyard, work under progress by UPPTCL.					
	MOE&F clearance	MoE&F clearance granted on 12.05.2015.					
	Land	Complete land under possession being an Expansion Project.					
	Civil Aviation Clearance	Civil Aviation Clearance granted on 12.07.12 by Airports Authority of India.					
	Water Allocation	Water Allotted on 03.12.11 from Upper Ganga Canal.					
	SPCBClearance:	Consent to Establish (CTE) accorded by UPPCB vide ref no. 33082/UPPCB/Aligarh (UPPCBRO)/ CTE /ALIGARH /2019 dtd. 06.06.2019.					

Critical Areas/ Assistance Required	
Reasons for Delay	• Late receipt of the MOEF&CC revised order by UPRVUNL with inclusion of FGD & SCR System in the project i.e. in December'2016. • Due to unprecedented and unpredictable condition of Covid-19, work at site has been halted by the EPC contractor.

RKM-28.06.21

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) / As now Anticipated.		
			Syn. Comm	COD	Syn. Comm	Trial-run COD	
3	**Obra-C 2X660 MW TPP, UPRVUNL (Obra, Dist. Sonebhadra), U.P.**	1320					**Unit-1:** **Boiler**: Erection Work of Furnace Front, Upper Vertical LHS Wall Panel for boiler in progress. RCC work in ER-01,ER-02,ER-04, Drive house-1 & 2, Pent house-3 in progress. **TG:** Erection of Bottom LP casing (1 & 2) Turbine, Condenser#1 LP neck dragging **ESP:** Preassembly work of casing Panel with columns, Beams & Bracing of ESP#1 is in progress. **Unit-2:** **Boiler:** Steel Structure tier #1-#5,TBN Building #1 & CCB Building in progress RCC Work for ID Fan Unit #2 & Duct Support in progress **TG:** Erection Work of Main Steel Structure for TBN Building #1 & CCB Building. **ESP:** Pass B,C & D casing frame & panel erection and collecting beam & structure beam erection , Pass E support structure erection in progress **BOP :** • **Chimney:** RCC Work for chimney shell in progress • **Raw Water system**: RCC work for RWPH forbay electrical room under progress • **CHP:** Excavation, PCC & RCC Work for Stacker/Re-Claimer, Track Hopper, Wagon tripler & Emergency reclaimer hopper complex, RCC Work for JT#5 & JT#4 Column. CHP fabrication works for conveyor 10A/B, 8A/B,7A/B,5A/B & stringers in progress. • **AHP:** RCC work for Ash slurry pump house i/p • **CWPH**: • PCC & RCC work of CW treatment shelter, CW Chlorination in progress • **PT Plant:** RCC for HRSCC Tank-A, Cascade Ariator, Excavation of CW Chlorination Building in progress • **Switchyard:** RCC Work for 400kV GIS ground slab & brick work for wall & 765kV AIS Building column, Switchyard Fdn. & Pedestal in progress. • **FGD:**PCC & RCC Work for FGD MCC building in progress. PO placed for FGD Duct Bearing, GGH, insulation accessories
	U-1	660	08/20 09/20	12/20	09/22 10/22	01/23	
	U-2	660	12/20 12/20	04/21	01/23 01/23	05/23	
	Original/Latest Cost	: Rs.10416 Crore (Including IDC)					
	Expenditure 2016-17 2017-18 2018-19 2019-20 2020-21 2021-22	 423.77 Crores 277.83 Crores 855.89 Crores 2175.96 Crores 1560.21 Crores 345 Crores					
	Cumulative Expenditure (up to 05/21)	: Rs. 5645.92 Crores					
	Date of Financial Closure	: 13.11.2013 70% debt loaned from REC and 30% equity to be borne by State Govt.					
	Type of fuel	: Coal					
	Fuel Linkage	: From Saharpur Jamrpani, Jharkhand Coal Block allocated to UPRVUNL with the project specified in the end use plants for the Block/ MoU with MMTC for imported Coal					
	Date of Main Plant Order/BoPs	: Order for main Plant Equipment (BTG) awarded to M/s. Doosan Power Systems India Pvt. Ltd. On 22.12.2016 SG package by M/s DPSI& STG package by M/s GE Ltd.					
	Zero date	: 22.12.2016					
	Land	: Not required being an expansion Project					
	PPA	: Signed with UPPCL on 16.01.2013					
	Power Evacuation System	By UPPTCL at 765KV					
	Water allocation	Allocation of 54 cusec water by Govt. of UP from Rihand Reservoir					
	MOE&F clearance	21.06.2016					
	Civil Aviation clearance	22.07.2009 and revalidated on 12.07.2016					
	Critical Areas/Assistance Required	Delay in Unit #1 & 2 COF will be approx 25 months as compared to the baseline schedule. The efforts are being made to arrest the delay.					
	Reason of Delay	• Work delayed due to COVID Pandemic.					

RKM 28.06.21

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) / As now Anticipated.		
			Syn. Comm	COD	Syn. Comm	Trial-run COD	
4	**Jawaharpur STPP (2X660 MW) JVUNL (100% subsidiary of UPRVUNL) Village: Malawan, Dist. Etah), U.P**	1320					**Unit-1:** **Boiler**: Steel structure, Pressure part, Ducting, Coal silo erection ,SCR erection, Insulation works , PA/FD Fan Chipping , Mills Erection ,Bottom Ash hopper steel structure erection , Duct support structure erection work in Progress. **TG**: Steel structure erection, Operating floor Bearing pedestal installation, HP Turbine erection, LP casing erection, Cold & Hot Reheating piping erection , HP & LP Heaters erection, DE aerator Tanks installation works in Progress. **ESP**:Erection of ESP structure- A& B Pass& Hopper Bin Fabrication welding and Steel structure and Casing frame erection and alignment work in progress **Unit-2:** **Bolier**: Steel structure, Pressure part, Ducting, Coal silo erection, PA/FD fan Foundation work In progress. **TG**: Steel structure erection and Aux. equipment Foundation works in progress. **ESP**: Pedestal and backfillingwork in progress, PCC and rebar work of Zone-3 & Zone-4 of ESP **BOP** • **Chimney:**RCC Shell work for chimney completed. Platform and Flue cane Fabrication in progress. • **Raw Water system**: Foundation (RCC) work for Raw water reservoir-A, HDPE lining & motor and sand bedding in progressExcavation work for raw water Reservoir-B in progress • **DM Plant:** Column work for DM Plant building and backfilling work for electrical Building in progress • **CHP:**Excavation work for JT-1 + Tunnel. Foundation work for Stacker & Re-claimer and coal stock drain. Foundation re-bar, shuttering and column work for Pipe rack –09and cable rack(03,04,5 & 24)Steel Structure erection for JT-05,JT-06,(JT-08 ~ JT-10).Conveyor 3A/3B and 5A/5B structure fabrication and erection work in progress • **AHP:** Embankment, rock toe and sand chimney, Bottom Excavation work for ash dyke-A, Embankment, Rock toe & Crushed rock work for ash dyke-B in progress. Ash slurry Pump house/Electrical building, Ash water pump house/Electrical building ,Ash Water clarifier, Ash Recovery pump house, Ash Dyke civil works in different stages • **NDCT:**- NDCT #1 HW Pipe Fabrication completed, Cage Ladder erection completed, Internal pre cast erection yet to be started. NDCT #2 Shell casting in progress. • **CWPH**: CW pump station & CW Forebay intake wall shuttering & re-bar work and volute 2nd stage re-bar and form work alignment in progress. • **PT Plant:** Grade slab PCC work for PT plant shelter in progress • **Switchyard:**Finishing work (Celling and Epoxy painting for Floor) for 220KV GIS Building.220 KV Hall HVAC duct support erection, Super structure work for 400kV GIS building, 765kV GIS building Brick work, Plastering and cable trench 765 KV GIS HVAC Duct assembly and erection work Foundation & pedestal (Raft & Column), Back filling & Trench work for 220 kV, 400 kV & 765kV in progress **FGD:** Order with EPC to M/s Doosan Power Systems India Pvt. Ltd. on 22.12.2016. GGH Absorber #1 & #2 Steel structure & Duct erection in progress , Lime stone handling system structure erection in progress , Limestone Slurry & Gypsum dewatering building
		U-1 (660)	08/20 09/20	12/20	08/22 09/22	12/22	
		U-2 (660)	12/20 01/21	04/21	02/23 03/23	06/23	
	Original/Latest Cost	: Rs.10566.27 cr					
	Expenditure Details 2017-18 2018-19 2019-20 2020-21 2021-22	 Rs 805 cr Rs 991 cr Rs 2286 cr Rs 1211.45 cr Rs 385.19 cr					
	Cumulative Expenditure	Rs. 6405.64 (upto 05/2021)					
	Type of fuel	Coal					
	Date of Financial Closure	80% debt loan from M/s PFC/REC and 20% state equity. Out of 80% loan 50% from PFC & 50% from REC agreement signed					
	Date of Main Plant Order/BoPs	Order for main Plant Equipment (BTG) awarded to M/s. Doosan Power Systems India Pvt. Ltd. On 22.12.2016					
	Zero date	22.12.2016					
	Coal Linkage/FSA	Coal allocated from Saharpur Jamarpani Coal Block, Jharkhand (25.03.2015)					
	PPA	Signed on 31. 12.2016 with UPPCL					
	Power Evacuation System	765 KV, 400 KV, 220 KV					
	Land	The land required is 865 acres for the proposed plant at Malawan is in possession of JVUNL					
	MOE&F clearance	Received on date 26.10.2016					
	Water	09.11.2009, 53 Cusec from U.P. irrigation					
	Civil Aviation clearance	12.06.2015 for Chimney					
	Critical Areas/Assistance required	Delay in Unit 1 & 2 COF will be approx. 23 & 25 months respectively as compared to the baseline schedule of 21st Dec. 2020. The efforts are being made to catch up the baseline schedule with below catch-up activities: - Acceleration effort for various work activities like (a) day & night shift work for piling and steel structure fabrication (TG & CCB) (b) working on Sundays and holidays (c) Emphasis on maximizing pressure part pre-assembly at ground level (d) Subcontract with additional vendors for Boiler steel structure supply (e) Acceleration work for TBN pedestalincluding Top deck.					
	Reason of Dealy	• Work stopped wef 23.03.2020 due to COVID Pandemic.					

RKM 28.06.21

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. com.	COD	Syn. com	Trial-run COD	
	State Sector						
5	**Panki TPS Ext, Distt. Kanpur, U.P. (UPRVUNL)**	Unit-1 660	05/21 06/21	09/21	05/22 06/22	09/22	Piling & pedestal works- - 8882 out of 8894 (RFC) piling completed. - 1/ 4 no rigs are under operation. - Boiler pile cap-43/ 50 no & pedestal 93/ 95 no completed. - ESP pile cap-130/ 130 no & pedestal 180/ 180 no completed. - PHB pile cap-72/ 77 no & pedestal 88/ 94 no completed. - MDBFP, ID Fan-A & B, FD Fan-A, PA fan-A&B final lift foundation casted. **Boiler:** 93/95 nos. pedestals casting completed. Total-18731 MT erected. 18470/ 28000 Nos HP joints completed. Ceiling girder erection completed. Condenser preassembly started on 15.03.21 **TG:** TG raft: Casting completed TG column casting started on 20.02.20. 68/68 lift column completed. TDBFP: 261/ 275 m³ RCC completed. **ESP:** 6799/ 11886 MT erected. **BOPs:** **Chimney:** Chimney shell casting, EL +270 m completed. 452/545 MT flue can fabrication completed. **CHP:** ERH: Excavation 92358/125000 m3 completed, Wagon tippler: Excavation started and 44897/5000 m3 RCC completed, JT-1 & tunnel: Excavation 82555/110000 m3 completed. 1736/1736 nos piling and 1076/13500 MT structural erection completed for JT-2, JT-4, JT-9 & JT-6. **AHP:** 847 / 847 nos piling & 2538/6077 Cum RCC completed for AWPH, VPH, ASPH, Chemical house etc. **CWPH:** 283/ 350 m3 RCC completed. CWPH: 2750/ 2960m3 RCC completed. 316/772 MT CW piping completed **Raw Water System:** Compartment 1: 20297/20319 m³ RCC completed. Compartment 2: 14067/ 20319 m3 RCC completed. RWPH: 1563/ 2400 m3 RCC completed. **NDCTs:** Raft casting completed. Racker Column: 96/ 96 Nos casted. Basin slab: 429/429 nos basin pile cap and NDCT Cell : 556/2095 nos **PT Plant**: 1847/ 2200 m³ excavation & 68/ 850 m³ RCC of HRSCC-1 completed. 900/ 2200 m³ excavation & 67/ 850 m³ RCC of HRSCC2 completed. **FGD**: Absorber – 47/47 nos pedestal casting completed. 307 MT supply completed.
	Original/Latest Cost	: Rs 3715 cr +GST					
	Exp.During 2018-19 **2019-20** **2020-21** **2021-22**	: Rs 543.29 cr : Rs 837.26 cr : Rs 1131.47 cr : Rs 43.98 cr					
	Cumulative Exp	Rs 2556. 01 Crores (upto 05/2021)					
	Type of fuel	: Coal					
	Zero Date	31.03.2018					
	Date of Main Plant Order (BTG)	EPC package to M/s BHEL. LOA date: 31.03.18.					
	Fuel Linkage :	Saharpur-Jamarpani coal mine allotted to UPRVUNL for the project.Bridge linkage is also available.					
	Water Supply:	16 cusec of treated water from secondary treatment plant of U.P. Jal Nigam's Sewage Treatment Plant at Bingawan (Kanpur)shall be utilised for the project as clarified water after again treating in tertiary treatment plant. In addition, water sully from Lower Ganga Canal is also available.					
	MoE&F clearance:	Obtained NOC from MoEF&CC on 29.06.2017.					
	Critical Areas						
	Reasons for Delay	Due to the challenging environment and various restrictions imposed by ongoing pandemic COVID-19, all activities related to ordering, procurement, manufacturing & construction for Panki Project are getting affected. Due to lockdown invoked by Government of India/UP, all activities for the projects were suspended from 22.03.20 to 04.05.20 (except civil work of WT, which resumed on 16.04.20 with reduced manpower). Presently work with limited/available manpower is under progress.					

PK-18.05.2021

WESTERN REGION

Thermal Power Plants

BHUSAWAL SUPERCRITICAL THERMAL POWER PROJECT,1X660 MW

As on 31.05.2021

STATE SECTOR

Developer- MAHAGENCO	**Zero Date:**31.12.2018	**Main Plant Vendor-**M/S BHEL (EPC Contract-17.01.2018)	**Original/Anticipated Trial Run UNIT-06**	31.05.2022/ Nov 2022
ADDRESS : - Village Pimpari Sekam, Tal Bhusawal, Dist Jalgaon, Maharashtra, 425307			**E-GEN PORTAL:** REGISTRATION STATUS- NO,	

CLEARANCES AND STATIC DATA		**FINANCIAL DATA (in Crore)**	
FUEL TYPE	Coal	**ORIGINAL ESTIMATED COST OF THE PROJECT**	Rs. 4548 Crs. dated 22/07/2011
COAL COMBUSTION TECHNOLOGY	Supercritical	**LATEST ESTIMATED COST**	Rs. 4550.97 Crs. Dated 31/12/2018
APPROVAL DATE/NOTICE TO PROCEED (NTP)	25-09-2009	**DATE OF FINANCIAL CLOSURE**	NA
ZERO DATE:	31-12-2018	**Exp. during 2018-19**	59.41 Cr
PPA	Long Term Power Purchase Agreement dated 24.12.2010 with Maharashtra state Electricity Distribution Co. ltd for 100% of installed capacity	**Exp. during 2019-20**	584.06 Cr
COAL LINKAGE/FSA	Allocation Date: 11/09/2020,Source:WCL/SECL/MCL mines ,Grade: E/F Quantity : 318 MTPA	**Exp. during 2020-21**	2025.32 Cr
		Exp. during 2021-22	97.76
START UP POWER AGREEMENT	Maharashtra State Electricity Transmission Company Limited (MSETCL) vide letter no MSETCL/CO/STU/302 B/B_GC/No. 12757, dated 06/12/2018 approved Grid connectivity, which is valid till 06.06.2021. Letter regarding extension up to Dec-2022, is sent to STU, MSETCL on 07.05.2021.	**Exp. Of May'21**	46.1
POWER EVACUATION SYSTEM	Maharashtra State Electricity Transmission Company Limited (MSETCL) has started the work of 400 KV Switch yard	**TOTAL EXPENDITURE (UPTO 31.05.21)**	2180.21 Cr
LAND POSSESSION	Total Land Required: 120.39 Hectare Total land acquired: 118.415 Hectare Total land in use: 118.415 Hectare		
WATER ALLOCATION	Source: - Tapi River Quantity: - 18.85 MM3 Per Annum		
MOEF CLEARANCE	Clearance obtained date from concerned authority: 27/11/2012 validity : 26/11/2022		
CIVIL AVIATION CLEARANCE	Clearance obtained date from concerned authority: 27/08/2008 validity : 23/02/2022		
CPCB CLEARANCE	Not Applicable		
SPCB CLEARANCE	Clearance obtained date from concerned authority: 10/06/2020 validity : The consent to establish is granted for period up to commissioning of the unit or up to 5 years whichever is earlier.		
FOREST CLEARANCE	Clearance obtained date from concerned authority: 14/01/2020 validity : 26/11/2022.		

UNDER-CONSTRUCTION UNITS WISE MILESTONE DATES (ACTUAL / ANTICIPATED)			
Sl.	MILESTONE	UNIT-06	
		Original Date of Completion	Actual/Anticipated Date of Completion
1	COMPLETION OF BOILER FOUNDATION	25.11.2019	15.11.2019
2	START OF BOILER ERECTION	30.11.2019	22.11.2019
3	BOILER DRUM LIFTING	NA	NA
4	BOILER CEILING GIRDER LIFTING COMPLETION	30.06.2020	20.01.2021
5	BOILER HYDRO TEST (DRAINABLE) COMPLETION	31.05.2021	Nov 2021
6	BOILER HYDRO TEST (NON-DRAINABLE) COMPLETION	10.11.2021	May 2022
7	BOILER LIGHT UP	30.11.2021	May 2022
8	CHEMICAL CLEANING COMPLETION	20.12.2021	June 2022
9	STEAM BLOWING START	24.01.2022	July 2022
10	STEAM BLOWING COMPLETION	19.02.2022	Aug 2022
11	HP PIPING ERECTION START	11.05.2021	Nov 2021
12	HP PIPING ERECTION COMPLETION	25.04.2022	Oct2022
13	CONDENSER ERECTION START	31.10.2020	15.03.2021
14	TG ERECTION START	30.11.2020	July 2021
15	TG BOX UP	30.11.2021	July 2022
16	START OF OIL FLUSHING	04.12.2021	Aug 2022
17	ROLLING & SYNC.	31.03.2022	Sept 2022
18	FULL LOAD	30.04.2022	Oct 2022
19	TRIAL RUN	31.05.2022	Nov 2022
20	COD	30.06.2022	Dec 2022
21	PG TEST START AND COMPLETION	30.06.2022	Dec-22

MAIN PLANT PACKAGE (BTG VENDOR): M/S BHEL (17.01.2018)			
Sl.	Packages	UNIT	% Completion
1	BOILER	UNIT-06	55%
2	TG	UNIT-06	51%
3	ESP	UNIT-06	45%
4	FGD	UNIT-06	20%

STATUS OF BOPs

Sl.	Packages/ Linked Project Milestones	Vendor/Contracting Agency (EPC- BHEL)	% Completion
1	Chimney	M/s Powermech	44%
2	Coal Handling Plant	M/s BJCL & Macawber Beekay Pvt Ltd.(Conveyor package)	40%
		M/s BJCL& Promac (Wagon tippler)	10%
		M/s BJCL& Promac(Stacker Reclaimer)	29%
3	Ash Handling Plant	M/s BJCL & Macawber Beekay Pvt Ltd.	15%
4	Fuel Oil System	M/s. New Fire Engineers Pvt Ltd.	27%
5	Cooling Towers	M/s Hayagrev civil engineering Pvt Ltd	36%
6	CW Pump house & Piping	M/s Alpha power engineering services Pvt Ltd,G&J Pvt Ltd.	39%
7	PT Plant	M/s Clear Water company	3%
8	DM Plant	M/s Wipro Enterprises Pvt Ltd	44%
9	Air Compressor	M/s Elgi equipment Ltd.	25%
10	Fire Protection System	M/s Alpha power engineering services Pvt Ltd	40%
11	Switch Yard	M/s BNC Power Projects Ltd	NIL
12	Station Transformers	M/s BHEL	44%
13	Unit Transformers	M/s BHEL	44%
14	Railway siding	ISC Projects	NIL
15	Power Evacuation	MSETCL/BNC Power Projects	NIL

REASONS OF DELAY :

Anticipated dates are provided considering delay of 6 months due to Covid-19 impact.

Southern Region

Thermal Power Plants

SRI DAMODARAM SANJIVAIAH THERMAL POWER STATION,STAGE-II,1X800 MW

As on 31.05.2021

STATE SECTOR

Developer- APGENCO	**Zero Date:** 15.12.2015	**Main Plant Vendor-**M/S BHEL-EQUIPMENT PKG and M/s TATA PROJECTS LTD-CIVIL, STRUCTURE.	**Original/Actual Trial Run UNIT-01**	May 2019/ 15 July 2021
ADDRESS : - Nelatur (Village), near Krishnapatnam, Muthukuru (Mandal), SPSR Nellore (District) Andhra Pradesh – 524 347			**E-GEN PORTAL:** REGISTRATION STATUS- YES, Reg No: U-01:1200001078	

CLEARANCES AND STATIC DATA		**FINANCIAL DATA (in Crore)**	
FUEL TYPE	Domestical Coal	**ORIGINAL ESTIMATED COST OF THE PROJECT**	4276.03
COAL COMBUSTION TECHNOLOGY	Supercritical	**LATEST ESTIMATED COST**	7922.72
APPROVAL DATE/NOTICE TO PROCEED (NTP)	16-Feb-13	**DATE OF FINANCIAL CLOSURE**	17.09.2014
ZERO DATE:	15.12.2015	**EXP. DURING 2015-16**	7.08
PPA	PPA entered with APDISCOMS to sell 90% of the declared capacity	**EXP. DURING 2016-17**	568.03
COAL LINKAGE/FSA	M/s Mahanadhi Coal fields limited has issued LOA to supply 3.548MTPA vide letter dated 04-03-2018.	**EXP. DURING 2017-18**	1664.72
START UP POWER AGREEMENT	From the existing Stage-I (2x800MW) Units.	**EXP. DURING 2018-19**	2886.73
POWER EVACUATION SYSTEM	400KV Grid	**EXP. DURING 2019-20**	1062.04
LAND POSSESSION	51 Acres of land is used for Stage-II from the available land of 1344.80Acres which is already under possession of APPDCL. No additional land is required for Stage-II (1x800MW)	**EXP. DURING 2020-21**	885.36
		EXP. DURING 2021-22	122.88
WATER ALLOCATION	Sea water about 6,556 Cum/Hr	**EXP. OF MAY'21**	63.84
MOEF CLEARANCE	MoEF clearancce obtained on 02-07-2015 for 7 Years	**TOTAL EXPENDITURE (UPTO 31.05.21)**	7196.85 Cr
CIVIL AVIATION CLEARANCE	Case No. MM315/2011: AAI/SR/NOC/RHQ, Dt. 25.06.2012		
CPCB CLEARANCE	Same as MOEF Clearance		
SPCB CLEARANCE	APPCB/VIJ/NLR/159/CFO/2014-494 DT. 08.05.2014		
FOREST CLEARANCE	RC. No. 646/2013/WL-1, Dt. 23.02.2012		

UNDER-CONSTRUCTION UNITS WISE MILESTONE DATES (ACTUAL / ANTICIPATED)

Sl.	MILESTONE	UNIT-01	
		Original Date of Completion	Actual/Anticipated Date of Completion
1	COMPLETION OF BOILER FOUNDATION	17.04.2017	27.05.2017
2	START OF BOILER ERECTION	06.04.2017	26.06.2017
3	BOILER DRUM LIFTING	Not applicable	
4	BOILER CEILING GIRDER LIFTING COMPLETION	06.04.2017	04.02.2018
5	BOILER HYDRO TEST (DRAINABLE) COMPLETION	27.03.2018	01.07.2019
6	BOILER HYDRO TEST (NON-DRAINABLE) COMPLETION	16.11.2018	18.12.2019
7	BOILER LIGHT UP	11.12.2018	31.12.2019
8	CHEMICAL CLEANING	25.12.2018	07.12.2020
9	STEAM BLOWING START	27.12.2018	20.03.2021
10	STEAM BLOWING COMPLETION	21.01.2019	08.06.2021
11	HP PIPING ERECTION START	01.04.2018	21.11.2019
12	HP PIPING ERECTION COMPLETION	15.05.2019	In Progress
13	CONDENSER ERECTION START	26.08.2017	24.08.2018
14	TG ERECTION START	23.11.2017	03.10.2018
15	TG BOX UP	14.11.2018	29.02.2020
16	START OF OIL FLUSHING	30.11.2018	19.03.2020
17	ROLLING & SYNC.	14.01.2019	09.07.2021
18	FULL LOAD	14.03.2019	15.08.2021
19	TRIAL RUN	--	15.07.2021
20	COD	14.06.2019	31.08.2021
21	PG TEST START AND COMPLETION	--	--

MAIN PLANT PACKAGE (BTG VENDOR): M/S BHEL-EQUIPMENT PKG and M/s TATA PROJECTS LTD-CIVIL, STRUCTURE

Sl.	Packages	UNIT	% Completion
1	BOILER	UNIT-01	95%
2	TG	UNIT-01	92%
3	ESP	UNIT-01	95%
4	FGD	UNIT-01	Tender specification prepared.

STATUS OF BOPs

Sl.	Packages/ Linked Project Milestones	Vendor/Contracting Agency	% Completion
1	Chimney	TPL / Bygging	100%
2	Coal Handling Plant	(Conveyor package) TPL / ISGEC	85%
		(Wagon tippler)	NOT APPLICABLE
		(Stacker Reclaimer)	
3	Ash Handling Plant	TPL / MBPL	80%
4	Fuel Oil System	TPL / United System	100%
5	Cooling Towers	TPL / Hayagrev	100%
6	CW Pump house & Piping	TPL / Xylem & DSS	100%
7	PT Plant	TPL / BGR	100%
8	DM Plant	TPL / BGR	100%
9	Air Compressor	TPL / ELGI	100%
10	Fire Protection System	TPL / AGNICE	80%
11	Switch Yard	TPL / ABB	100%
12	Station Transformers	M/s BHEL	100%
13	Unit Transformers	M/s BHEL	80%
14	Railway siding	NOT APPLICABLE	
15	Power Evacuation	Generated power will be evacuated with exiting 400kv lines connected to switch yard	Available

REASONS OF DELAY :

1. Delay due to change in boiler design (boiler design changed to imported coal firing to indigenous coal firing) Due to the change in MOEF & CC pollution norms, the Boiler was redesigned which resulted in delay in completion of Boiler foundations and thus Boiler erection was delayed.
2. Due to Covid-19 pandemic all the works are held up at site from the third week of March 2020 due to announcement of Lockdown.
3. Due to Covid-19 pandemic 2nd wave all the works are held up at site from the third week of April 2021 due to unprecedented situations of Covid -19 2nd wave.

CRITICAL AREA: Boiler left side coal bunker house, mills, feeder floor, pipe racks 2 & 7 and ash handling system are required to be completed in full shape to achieve the COD of the UNIT.

Dr Narla Tata Rao Thermal Power Station, Stage-V, 1x 800MW

As on 31.05.2021

STATE SECTOR

Developer- APGENCO	**Zero Date:**15.12.2015	**Main Plant Vendor-**M/S BHEL (BTG)	**Original/Actual Trial Run UNIT-08**	20.04.2019/ 10.10.2021
ADDRESS : - Ibrahimpatnam (Village & Mandalam), Krishna District, Andhra Pradesh. PIN: 521456			**E-GEN PORTAL:** REGISTRATION STATUS- YES, Reg No: U-08:1200000271	
CLEARANCES AND STATIC DATA			**FINANCIAL DATA (in Crore)**	
FUEL TYPE		Coal	**ORIGINAL ESTIMATED COST OF THE PROJECT**	6143.88
COAL COMBUSTION TECHNOLOGY		Supercritical	**LATEST ESTIMATED COST**	7586.67
APPROVAL DATE/NOTICE TO PROCEED (NTP)		Administrative approval accorded on 09.07.2014	**DATE OF FINANCIAL CLOSURE**	44500
ZERO DATE:		BTG/BHEL-15.12.2015 and BOP/BGR-06.07.2016	**EXP. DURING 2015-16**	6.6
PPA		PPA is available with DISCOMS of erstwhile APGENCO in combined AP. The same is being revised with APDISCOMS.	**EXP. DURING 2016-17**	422.91
COAL LINKAGE/FSA		MCL issued LOI for supply of 35,48,000 Tonnes/Annum vide lettter dated:12.11.2018.	**EXP. DURING 2017-18**	2099.15
START UP POWER AGREEMENT		Not Applicable	**EXP. DURING 2018-19**	1495.18
POWER EVACUATION SYSTEM		Power evacuation with 3 Nos 400KV feeders are ready with extension of existing 400 Kv switch yard of Stage- IV.	**EXP. DURING 2019-20**	1032
LAND POSSESSION		85 Acres land is available within plant boundary for Main plant & facilities and green belt. This is extension project being constructed in the available land of Dr. NTTPS Project.	**EXP. DURING 2020-21**	585
			EXP. DURING 2021-22	120.95
WATER ALLOCATION		Irrigation department vide letter dt:05.03.2015 agreed to supply 25 Cu.Secs water from krishna river upstream of prakasam barrage,Vijayawada.	**EXP. OF MAY'21**	66.59
MOEF CLEARANCE		MoEF issued clearence for imported coal vide letter dated:26.06.2015 and the same was revised vide letter dt:11.04.2019.	**TOTAL EXPENDITURE (UPTO 31.05.21)**	6074.59
CIVIL AVIATION CLEARANCE		Aviation clearence was obtained vide letter dated:15.10.2012		
CPCB CLEARANCE		CPCB clearence is Not Applicable.		
SPCB CLEARANCE		APCB issued consent for establishment vide letter dated:28.09.2015 and the same amended vide letter dt:07.03.2020		
FOREST CLEARANCE		Forest Clearence is Not applicale.		

UNDER-CONSTRUCTION UNITS WISE MILESTONE DATES (ACTUAL / ANTICIPATED)			
Sl.	MILESTONE	UNIT-08	
		Original Date of Completion	Actual/Anticipated Date of Completion
1	COMPLETION OF BOILER FOUNDATION	15.11.2016	20.06.2017
2	START OF BOILER ERECTION	25.10.2016	22.05.2017
3	BOILER DRUM LIFTING	NA	NA
4	BOILER CEILING GIRDER LIFTING COMPLETION	06.04.2017	27.12.2017
5	BOILER HYDRO TEST (DRAINABLE) COMPLETION	27.03.2018	03.03.2019
6	BOILER HYDRO TEST (NON-DRAINABLE) COMPLETION	16.11.2018	24.10.2019
7	BOILER LIGHT UP	15.05.2019	28.12.2019
8	CHEMICAL CLEANING COMPLETION	12.12.2018	12.03.2020
9	STEAM BLOWING START	27.12.2019	05.04.2021
10	STEAM BLOWING COMPLETION	09.02.2019	01.06.2021
11	HP PIPING ERECTION START	19.12.2018	10.01.2019
12	HP PIPING ERECTION COMPLETION	11.02.2019	15.07.2021
13	CONDENSER ERECTION START	23.09.2017	22.08.2018
14	TG ERECTION START	23.11.2017	03.10.2018
15	TG BOX UP	14.11.2018	13.06.2021
16	START OF OIL FLUSHING	30.11.2018	18.12.2020
17	ROLLING & SYNC.	08.03.2019 14.03.2019	22.02.2021
18	FULL LOAD	30.04.2019	20.10.2021
19	TRIAL RUN	20.04.2019	10.10.2021
20	COD	14.06.2019	31.10.2021
21	PG TEST START AND COMPLETION	11.09.2019	15.11.2021

MAIN PLANT PACKAGE (BTG VENDOR): M/S BHEL (15.12.2015)			
Sl.	Packages	UNIT-08	% Completion
1	BOILER	Civil works Structural works	97% 89%
2	TG	Civil works Structural works Pressure Parts	88.7% 95.23% 97%
3	ESP	Pass status	90.50%
4	FGD	Tendering process for installation of FGD is under progress	

STATUS OF BOPs

Sl.	Packages/ Linked Project Milestones	Vendor/Contracting Agency	% Completion
1	Chimney	M/s BGRESL	97%
2	Coal Handling Plant	M/s BGRESL (Conveyor package)	50%
		M/s BGRESL (Wagon Tripler)	80%
		M/s BGRESL (Stacker Reclaimer)	45%
3	Ash Handling Plant	M/s BGRESL	37% works completed.
4	Fuel Oil System	M/s BGRESL	100%
5	Cooling Towers	M/s BGRESL	85%
6	CW Pump house & Piping	M/s BGRESL	95%
7	PT Plant	M/s BGRESL	95%
8	DM Plant	M/s BGRESL	95%
9	Air Compressor	M/s BGRESL	90%
10	Fire Protection System	M/s BGRESL	70%
11	Switch Yard	M/s BGRESL / M/s Sri Sai Contractors	95%
12	Station Transformers	M/s BHEL / M/s KSL Contractors	100%
13	Unit Transformers	M/s BHEL / M/s KSL Contractors	90%
14	Railway siding	M/s BGRESL	30%
15	Power Evacuation	Unit-8 Switchyard is extended from existing switchyard of Unit-7 and Power evacuation is proposed through lines on the existing switchyard.	

REASONS OF DELAY :

1. Due to change in Boiler design for implementation of revised norms regarding reduction of NOx levels initial delay was occurred and due to COVID-19 pandemic project has been delayed.

Bhadradri Thermal Power Project Manuguru,4X270 MW

As on 31.05.2021

STATE SECTOR

Developer- MAHAGENCO	**Zero Date:**21.03.2015	**Main Plant Vendor-**M/S BHEL (EPC Contract-21.03.2015)	**Original/Anticipated Trial Run UNIT-01**	MARCH 2017 / 05.06.2020
			Original/Anticipated Trial Run UNIT-02	MAY 2017/07.12.2020
			Original/Anticipated Trial Run UNIT-03	JULY 2017/26.03.21
			Original/Anticipated Trial Run UNIT-04	SEP 2017/ Aug 2021
ADDRESS : - Village-Ramanujavaram, Teh-Manuguru, Dist-Bhadradri Kothagudem, Pin-507117			**E-GEN PORTAL:** REGISTRATION STATUS- YES, UNIT-01-1200000624 UNIT-02-1200000625 UNIT-03-1200000628 UNIT-04-1200000629	

CLEARANCES AND STATIC DATA		**FINANCIAL DATA (in Crore)**	
FUEL TYPE	Coal	**ORIGINAL ESTIMATED COST OF THE PROJECT**	Rs. 7290.60 Crores. Administrative approval vide Dt:20.03.2015
COAL COMBUSTION TECHNOLOGY	Subcritical	**LATEST ESTIMATED COST**	Rs. 9962.32 Crores .Revised administrative approval vide Dt: 10.08.2020
APPROVAL DATE/NOTICE TO PROCEED (NTP)	PROJECT APPROVED DATE (LOI) ON 21.03.2015.	**DATE OF FINANCIAL CLOSURE**	M/s Power Finance Corporation Ltd vide Letter dated- 03.06.2015
ZERO DATE:	Awarded on EPC Basis to M/s BHEL on 21.03.2015	**Exp. during 2014-15**	59.71
PPA	PPA entered on 17.09.2019 with TSDISCOMS	**Exp. during 2015-16**	256.54
COAL LINKAGE/FSA	Ministry of Coal vide file No.23014/1/2018-CLD date :15.02.2018,has granted coal linkage from M/s SCCL Grade: G9/G10, for supply of 4.2MTPA	**Exp. during 2016-17**	635.91
START UP POWER AGREEMENT	TSDISCOMS will provide electrical energy to TSGENCO for construction and start-up.	**Exp. during 2017-18**	1085.61
POWER EVACUATION SYSTEM	400KV Julurupadu Transmission Line-1 & Line-2	**Exp. during 2018-19**	2512.23
LAND POSSESSION	Total Land acquired and using : Acs 1186 - 11 Gts Total land to be acquired : Acs 184 - 34 Gts Total land Required : Acs 1370 - 45 Gts	**Exp. during 2019-20**	1759.27
WATER ALLOCATION	State Govt. has allotted for drawl of 1.4 TMC of water per year @ 45 cusec from Godavari river vide G.O.Ms.No. 03, dt-07.01.2015	**Exp. during 2020-21**	1066.95
		Exp. during 2021-22	
MOEF CLEARANCE	Environmental Clearance obtained from MoEF & CC vide Lr.No.J-13012/02/2015-IA.I(T),dated.15.03.2017 with a validity of 7 years from the date of issue.	**Exp. Of May'21**	
CIVIL AVIATION CLEARANCE	Civil Aviation cleared NOC issued by AAI vide Lr.No.AAI/SR/NOC/RHQ, Dt:11.12.2015 and it is valid for 07 years from date of issued	**TOTAL EXPENDITURE (UPTO 31.05.21)**	**7481.71**
CPCB CLEARANCE	Not Applicable		
SPCB CLEARANCE	Order no.59/TSPCB/CFE/RO-KGM/HO/2017-3680, Dt: 30.03.2017		
FOREST CLEARANCE	An extent of 25.8435 Ha of forest land required for construction of new railway line from Manuguru railway station to BTPS Project for transportation of coal from Singarani Mines is involved. In this regard MOEF/Chennai has accorded stage-I clearence vide Lr. F.No.4-TSC164/2019-CHN/0182, Dt: 04.02.2020. Further, compliance reported for the condition stipulated in the Stage-I were submitted to principal chief conservator of FOHS vide Lr. CE/C/Thermal/SE/C/TCD-II/F.Forest land/D.No. 170/21, Dt: 28.01.2020 for according stage-II clearance (final approval) Also PCCF accorded working permission vide RC. No. 6727/2018/FCA-4, Dt: 08.03.2021 for taking up of Railway line construction.Work in progress.		

UNDER-CONSTRUCTION UNITS WISE MILESTONE DATES (ACTUAL / ANTICIPATED)			
Sl.	MILESTONE	UNIT-04	
		Original Date of Completion	Actual/Anticipated Date of Completion
1	COMPLETION OF BOILER FOUNDATION	18.04.2016	15.02.2018
2	START OF BOILER ERECTION	19.04.2016	03.08.2018
3	BOILER DRUM LIFTING	20.07.2016	21.08.2018
4	BOILER CEILING GIRDER LIFTING COMPLETION	10.08.2018	
5	BOILER HYDRO TEST (DRAINABLE) COMPLETION	19.02.2017	16.02.2020
6	BOILER HYDRO TEST (NON-DRAINABLE) COMPLETION	19.02.2017	03.04.2021
7	BOILER LIGHT UP	19.05.2017	16.04.2021
8	CHEMICAL CLEANING COMPLETION	19.06.2017	Jun'21
9	STEAM BLOWING START	03.07.2017	July'21
10	STEAM BLOWING COMPLETION	19.07.2017	July'21
11	HP PIPING ERECTION START	08.06.2019	
12	HP PIPING ERECTION COMPLETION	July'21	
13	CONDENSER ERECTION START	20.10.2016	24.12.2019
14	TG ERECTION START	20.10.2016	17.12.2019
15	TG BOX UP	19.07.2017	29.01.2021
16	START OF OIL FLUSHING	19.07.2017	30.01.2021
17	ROLLING & SYNC.	18.08.2017	Aug'21
18	FULL LOAD	04.09.20] 7	01.08.1921
19	TRIAL RUN	17.09.2017	Aug-21
20	COD	20.09.2017	Aug-21
21	PG TEST START AND COMPLETION	11.12.2018	Sep-21

MAIN PLANT PACKAGE (BTG VENDOR): M/S BHEL (21.03.2015)			
Sl.	Packages	UNIT	% Completion
1	BOILER	UNIT-04	70%
2	TG	UNIT-04	96%
3	ESP	UNIT-04	60%
4	FGD	ENGINEERING IN PROGRESS	

STATUS OF BOPs

Sl.	Packages/ Linked Project Milestones	Vendor/Contracting Agency (EPC- BHEL)	% Completion
1	Chimney		80%
2	Coal Handling Plant		60%
			15%
			70%
3	Ash Handling Plant		70%
4	Fuel Oil System		100%
5	Cooling Towers		100%
6	CW Pump house & Piping		100%
7	PT Plant		100%
8	DM Plant		100%
9	Air Compressor		100%
10	Fire Protection System		80%
11	Switch Yard		100%
12	Station Transformers		100%
13	Unit Transformers		70%
14	Railway siding		2%
15	Power Evacuation		100%

REASONS OF DELAY : ANNEXURE -I & II

YADADRI TPS, 5x800 MW

As on 31.05.2021

STATE SECTOR

Developer- TSGENCO	**Zero Date:** 17.10.2017	**Main Plant Vendor- BHEL (EPC)**	**Original/Actual Trial Run UNIT-01**	SEP 20/Feb 23
			Original/Expected Trial Run UNIT-02	SEP 20/March 23
			Original/Expected Trial Run UNIT-03	MAY 21/April 23
			Original/Expected Trial Run UNIT-04	MAY 21/May 23
			Original/Expected Trial Run UNIT-05	SE 21/June 23
ADDRESS : -Veerlapalem village, Damercharla Mandal,Nalgonda-508208			**E-GEN PORTAL:** REGISTRATION STATUS- NO	

CLEARANCES AND STATIC DATA		**FINANCIAL DATA (in Crore)**	
FUEL TYPE	Coal	**ORIGINAL ESTIMATED COST OF THE PROJECT**	Rs.25,099.42 Crores. Administrative approval vide 29.08.2015
COAL COMBUSTION TECHNOLOGY	Supercritical	**LATEST ESTIMATED COST**	Rs.29,965.48 Crores .Revised administrative approval vide Dt: 23.12.2017
APPROVAL DATE/NOTICE TO PROCEED (NTP)	04.10.2014 (MoU entered with BHEL)	**DATE OF FINANCIAL CLOSURE**	M/s REC Ltd vide Lr dt 11-08-2015. M/s PFC Ltd vide Lr dt 19-07-2015.
ZERO DATE:	LOI was issued to M/s BHEL on EPC (BTG & BOP) basis on 01.06.2015 . Revised LOI issued on Dt:17.10.2017 for considering new norms & impact of GST with zero date as 17.10.2017.	**EXP. DURING 2015-16**	499.46
PPA	Power purchase Agreement entered on 11.03.2020 with TSDISCOMS	**EXP. DURING 2016-17**	59.29
COAL LINKAGE/FSA	Ministry of Coal vide File No.23014/1/2018-CLD, Dt:15.02.2018 has granted Coal linkage from M/s SCCL for supply of 14 Million MTPA of G9 grade coal.	**EXP. DURING 2017-18**	941.44
START UP POWER AGREEMENT	As per clause no.2.2 of PPA ,TSDISCOMS shall provide electrical energy to TSGENCO for construction, start up and maintenance, also for commissioning of the project.	**EXP. DURING 2018-19**	2129.24
POWER EVACUATION SYSTEM	400KV Janagaon,Damarcherla, Choutuppal and Dindi.	**EXP. DURING 2019-20**	2935.56
LAND POSSESSION	Total Land Required - Acs 2800 Total land acquired - Acs 5459.39 Gts Total land in use - Acs 2800	**EXP. DURING 2020-21**	4427.54
		EXP. DURING 2021-22	29.85
WATER ALLOCATION	Water Source from river Krishna Qty- 208cuses(i.e.6.60 TMC per year) allotted vide G.O.Ms.No.13,Dt:30.01.2015	EXP. OF MAY'21	8.91
MOEF CLEARANCE	EC obtained from MoEF&CC vide Lr.No.J-13012/18/2015-IA.I(T), Dt.29-06-2017 with a validity of 7 years from the date of issue of MoEF clearance(i.e upto 29.06.2024)	**TOTAL EXPENDITURE (UPTO 31.05.21)**	11068.23
CIVIL AVIATION CLEARANCE	1.NOCID:NADI/SOUTH/B/071216/149982,Dt:26.07.2016. 2.NOCID:NADI/SOUTH/B/071216/149984,Dt:26.07.2016. 3. NOCID:NADI/SOUTH/B/071216/149988,Dt:26.07.2016.		
CPCB CLEARANCE	Not Applicable		
SPCB CLEARANCE	Consent for Establishment (CFE) received from TSPCB vide Order No.10/TSPCB/CFE/RO-NLG/HO/2017, Dt.25-07-2017.		
FOREST CLEARANCE	Approval was accorded by Central Govt. Ministry of Environment, Forest, Climate Change, MoEF &CC, GOI, FC Section, New Delhi for diversion of forest land to an extent of 1892.35 hectares vide lr.no.F.No.8.07/2015-FC dt.07-07-2015 Subsequent G.O. was issued by Govt. of Telangana vide G.O.Ms.No.38,dt.30-07-2015 by EFS & T (For) Department		

UNDER-CONSTRUCTION UNITS WISE MILESTONE DATES (ACTUAL / ANTICIPATED)

Sl.	MILESTONE	UNIT-01		UNIT-02		UNIT-03		UNIT-04		UNIT-05	
		Original Date of Completion	Actual/Anticipated Date of Completion	Original Date of Completion	Actual/Anticipated Date of Completion	Original Date of Completion	Actual/Anticipated Date of Completion	Original Date of Completion	Actual/Anticipated Date of Completion	Original Date of Completion	Actual/Anticipated Date of Completion
1	COMPLETION OF BOILER FOUNDATION	08.01.20	31.01.20	29.12.19	29.12.19	11.02.20	11.02.20	16.02.20	16.02.20	23.03.20	23.03.20
2	START OF BOILER ERECTION	18.02.20	18.02.20	30.07.20	30.07.20	18.03.20	18.03.20	30.07.20	30.07.20	14.08.20	14.08.20
3	BOILER DRUM LIFTING	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4	BOILER CEILING GIRDER LIFTING COMPLETION	31.01.21	20.03.21	31.03.21	31.03.21	31.03.21	11.04.21	30.04.21	09.06.21	31.05.21	09.06.21
5	BOILER HYDRO TEST (DRAINABLE) COMPLETION	31.01.22		31.03.21		28.02.22		31.05.22		30.05.22	
6	BOILER HYDRO TEST (NON-DRAINABLE) COMPLETION										
7	BOILER LIGHT UP	31.07.22		30.09.22		31.08.22		30.11.22		31.12.22	
8	CHEMICAL CLEANING	29.08.22		29.09.22		29.10.22		29.11.22		29.12.22	
9	STEAM BLOWING START	14.09.22		14.10.22		14.11.22		14.12.22		14.01.23	
10	STEAM BLOWING COMPLETION	14.10.22		14.11.22		14.12.22		14.01.23		14.02.23	
11	HP PIPING ERECTION START	01.04.21		01.05.21		01.06.21		01.07.21		.0.08.21	
12	HP PIPING ERECTION COMPLETION	31.10.22		13.11.22		13.12.22		13.01.23		13.02.23	
13	CONDENSER ERECTION START	31.03.21		31.05.21		30.06.21		31.07.21		31.08.21	
14	TG ERECTION START	03.05.21		03.06.21		03.07.21		03.08.21		03.09.21	
15	TG BOX UP	31.05.22		31.07.22		31.08.22		30.09.22		31.10.22	
16	START OF OIL FLUSHING	30.04.22		31.05.22		31.06.22		30.07.22		30.08.22	
17	ROLLING & SYNC.	30.10.22		31.12.22		31.01.23		31.03.23		31.05.23	
18	FULL LOAD	15.02.23		15.03.23		15.04.23		15.05.23		15.06.23	
19	TRIAL RUN										
20	COD	28.02.23		31.03.23		30.04.23		31.05.23		31.06.23	
21	PG TEST START AND COMPLETION										

MAIN PLANT PACKAGE (BTG VENDOR):

Sl.	Packages	AREA	UNIT-01 (Percentage Completion)	UNIT-02 (Percentage Completion)	UNIT-03 (Percentage Completion)	UNIT-04 (Percentage Completion)	UNIT-05 (Percentage Completion)
1	BOILER	CIVIL STRUCTURE PRESSURE PARTS	25%	27%	23%	22.31%	17.37%
2	TG	STRUCTURAL TG Deck	89.92% 100%	58.73% 61.9%	80.98% 51.68%	44.47% 40.72%	27% 3%
3	ESP	UNDER PROGRESS	59%	54%	46%	44.52%	22.99%
4	FGD	YET TO START					

STATUS OF BOPs

Sl.	Packages/ Linked Project Milestones	Vendor/Contracting Agency (EPC-BHEL)	UNIT-01 (Percentage Completion)	UNIT-02 (Percentage Completion)	UNIT-03 (Percentage Completion)	UNIT-04 (Percentage Completion)	UNIT-05 (Percentage Completion)
1	Chimney	Bygging India Ltd for Unit #1&2 Pharpur for Unit #3&4 Bygging India Ltdfor Unit #5	20%	20%	17%	17%	9%
2	Coal Handling Plant	Powermech (Conveyor package)					
		Powermech (Wagon tripler					
		Powermech (Stacker Reclaimer)	79%				
3	Ash Handling Plant	Powermech / Indure	5%				
4	Fuel Oil System	Thermosystems					
5	Cooling Towers	NBCC for Unit #1 Gammon for Unit#2 NBCC for Unit#3 Gammon for Unit#4 NBCC for Unit#5					
6	CW Pump house & Piping	Cwpump house &channel - BHEL/HES / CW Pipe Line St1&2 - BHEL/GAJA / E&c CWPipingSt 1 -BHEL/S Vinfratech / E&c CWPiping St2-BHEL/Santhosh Infra					
7	PT Plant	SCC/Gaja					
8	DM Plant	SCC/Wipro					
9	Air Compressor	HES					
10	Fire Protection System	BHEL					
11	Switch Yard	Bluechip					
12	Station Transformers	EIPL/KEPL					
13	Unit Transformers	EIPL/KEPL					
14	Railway siding						
15	Power Evacuation	TS TRANSCO/MEIL					

REASONS OF DELAY :

YELAHANKA COMPINED CYCLE POWER PLANT (YCCPP) (1x370 MW)

As on 31.05.2021

STATE SECTOR

Developer- KPCL-KARNATAKA	**Zero Date:** 09.11.2015	**Main Plant Vendor-**BHEL (EPC Contract-03.11.2015)	**Original/Anticipated Trial Run**	**02.07.2018/ Nov 2021**
ADDRESS : - Yelahanka Combined Cycle Power Plant (YCCPP), Doddballapura Road, Yelahanka, Bengalure-560064			**E-GEN PORTAL:** REGISTRATION STATUS- No	

CLEARANCES AND STATIC DATA		**FINANCIAL DATA (in Crore)**	
FUEL TYPE	RLNG (Regasified Liquified Natural Gas)	**ORIGINAL ESTIMATED COST OF THE PROJECT**	1571.18
COAL COMBUSTION TECHNOLOGY	NOT APPLICABLE	**LATEST ESTIMATED COST**	2055.23
APPROVAL DATE/NOTICE TO PROCEED (NTP)	Approval Date: Government Of Karnataka Order No. EN78PPC2010 Bengaluru dated:05.07.2011	**DATE OF FINANCIAL CLOSURE**	31.03.2021
ZERO DATE:	1. LOA Date:03.11.2015 2. Zero Date: 09.11.2015 3. EPC Contractor: M/s BHEL	**Exp. during 2015-16**	4.87
PPA	Under Process	**Exp. during 2016-17**	152.89
COAL LINKAGE/FSA	NOT APPLICABLE	**Exp. during 2017-18**	1050
START UP POWER AGREEMENT	20000 KVA on HT basis vide BESCOM Letter No. CEE/BMAZ-N/SEE(O)/AEE-2/18-19/2473-78 dated:17.11.2018	**Exp. during 2018-19**	140.93
POWER EVACUATION SYSTEM	220KV 3 lines are ready at outdoor switchyard.	**Exp. during 2019-20**	171.41
LAND POSSESSION	102 Acres lands are avalibale under DG plant / KPCL. DG plant stopped due to High generating cost & Environmental issues. In the existing land Gas Power plant is established.	**Exp. during 2020-21**	219.28
		Exp. during 2021-22	
WATER ALLOCATION	15 MLD Tertiary treated plant at JAKKUR is supplying water to YCCP Plant	**Exp of May'21**	71.08
MOEF CLEARANCE	Approval No : State Level environment impact assesment athority(SEIAA) no SEIAA20IND 2014 DATED 1/9/2015	**TOTAL EXPENDITURE (UPTO 31.05.21)**	1995.13
CIVIL AVIATION CLEARANCE	Approval no : AAI /KIA/ATM/NOC/488-92 DATED 5/5/2015		
CPCB CLEARANCE	NOT APPLICABLE		
SPCB CLEARANCE	Approval No : KSPCB/CFE/CEO/KPCL/2015-16/H1033 DATED 02/11/2015		
FOREST CLEARANCE			

UNDER-CONSTRUCTION UNITS WISE MILESTONE DATES (ACTUAL / ANTICIPATED)			
Sl.	MILESTONE	UNIT-08	
		Original Date of Completion	Actual/Anticipated Date of Completion
1	COMPLETION OF BOILER FOUNDATION	30/06/2016	14/11/2016
2	START OF BOILER ERECTION	07.01.2016	11.09.2016
3	BOILER DRUM LIFTING	03-10-17	04-07-17
4	BOILER CEILING GIRDER LIFTING COMPLETION	30/11/2016	21/12/2016
5	BOILER HYDRO TEST (DRAINABLE) COMPLETION	30/06/2017	27/11/2017
6	BOILER HYDRO TEST (NON-DRAINABLE) COMPLETION	30/06/2017	27/11/2017
7	BOILER LIGHT UP	-	-
8	CHEMICAL CLEANING COMPLETION	-	01.08.2021
9	STEAM BLOWING START	26/10/2017	01.09.2021
10	STEAM BLOWING COMPLETION	30/10/2017	01.10.2021
11	HP PIPING ERECTION START	-	01.09.2017
12	HP PIPING ERECTION COMPLETION	-	01.11.2021
13	CONDENSER ERECTION START	14/08/2017	01.11.2017
14	TG ERECTION START		
15	TG BOX UP	30/09/2017	01.02.2021
16	START OF OIL FLUSHING	10.09.2017	29/08/2018
17	ROLLING & SYNC.	16/12/2017	21/10/2021
18	FULL LOAD	17/12/2017	01.11.2021
19	TRIAL RUN	02.07.2018	Nov-21
20	COD	-	-
21	PG TEST START AND COMPLETION	03.08.2018	Dec-21

MAIN PLANT PACKAGE (BHEL-BTG VENDOR):			
Sl.	Packages	UNIT-01	% Completion
1	BOILER	CIVIL STRUCTURE PRESSURE PARTS	100% 99% 99%
2	TG	CIVIL STRUCTURE PRESSURE PARTS	100% 99% 99%
3	ESP	NOT APPLICABLE	
4	FGD	NOT APPLICABLE	

STATUS OF BOPs

Sl.	Packages/ Linked Project Milestones	Vendor/Contracting Agency (EPC- BHEL)	% Completion
1	Chimney	M/s BHEL/ BJCL	100%
2	Coal Handling Plant	NOT APPLICABLE	
3	Ash Handling Plant	NOT APPLICABLE	
4	Fuel Oil System	NOT APPLICABLE	
5	Cooling Towers	M/s BHEL/ BJCL	90%
6	CW Pump house & Piping	M/s BHEL/ BJCL	100%
7	PT Plant	NOT APPLICABLE	
8	DM Plant	M/s BHEL/ GE (Mechanical work) M/s BHEL/ BJCL (Civil work)	100%
9	Air Compressor	M/s BHEL/ELGI (Mechanical work) M/s BHEL/ BJCL (Civil work)	98%
10	Fire Protection System	M/s BHEL (Mechanical work) M/s BHEL/ BJCL (Civil work)	95%
11	Switch Yard	BHEL-TBG	95
12	Station Transformers	M/s BHEL/ BJCL (Civil work)	100%
13	Unit Transformers	M/s BHEL PSSR (Mechanical work) M/s BHEL/ BJCL (Civil work)	100%
14	Railway siding	NOT APPLICABLE	
15	Power Evacuation	KPTCL	95

REASONS OF DELAY : Delay in completion of civil work and fire accident of gas turbine. Low Pressure Turbine (LPT) technical issues.

ENNORE SCTPP PROJECT ,2X660 MW

As on 31.05.2021

STATE SECTOR

Developer- TANGEDCO	**Zero Date:** 27.09.2014	**Main Plant Vendor-**M/S BHEL (EPC)	**Original/Actual Trial Run UNIT-01**	27.11.17/ 30.03.23
			Original/Expected Trial Run UNIT-02	27.01.18/ 30.04.23
ADDRESS : - Voyalur village, Minjur 601203, Thiruvallur Dist. Tamil Nadu			**E-GEN PORTAL:** REGISTRATION STATUS- NO	

CLEARANCES AND STATIC DATA		**FINANCIAL DATA (in Crore)**	
FUEL TYPE	Coal	**ORIGINAL ESTIMATED COST OF THE PROJECT**	Rs.9800.00 Crores
COAL COMBUSTION TECHNOLOGY	Supercritical	**LATEST ESTIMATED COST**	Rs.9800.00 Crores
APPROVAL DATE/NOTICE TO PROCEED (NTP)	27.09.2014	**DATE OF FINANCIAL CLOSURE**	ETripartite agreement between TANGEDCO, M/s BHEL (EPC contractor), PFC (Lender) signed on 21.11.16 and Loan agreement between PFC and TANGEDCO signed on 18.01.17.
ZERO DATE:	27.09.2014	**EXP. DURING 2016-17**	241.21
PPA	State sector project. Hence entire 100% power from this project will be utilized by TAMILNADU	**EXP. DURING 2017-18**	1014.84
COAL LINKAGE/FSA	Long term Coal Linkage application submitted on 26.02.2010 to Ministry of Coal/GoI/New Delhi for the supply domestic coal. Coal allocation is yet to be received. However MoU has already been signed between MMTC & TANGEDCO on 25.06.2012 for the supply of 100% Import coal for this project.CEA vide their letter dt.19.02.2019 communicated that development of Chandrabila coal block is getting delayed and hence MoP may consider to recommend for accord of Bridge Linkage based on use of blended coal consisting of 50% imported coal and 50% Indigenous Coal for 1x660MW Ennore Expansion project,2x660MW Udangudi Thermal Power Project Stage I, and 2x660MW Ennore SEZ STPP project. During the standing linkage committee (SLC) meeting held on 24.6.2019 it has been decided that the discussion on the Bridge Linkage will be taken up in the next SLC meeting.	**EXP. DURING 2018-19**	2081.18
START UP POWER AGREEMENT	By TAGEDCO	**EXP. DURING 2019-20**	710.6
POWER EVACUATION SYSTEM	Power will be evacuated from the proposed thermal power station through double circuit 400 KV transmission lines ie. Through 2 Nos. 400 KV lines to 765 KV Pooling Station and 2 Nos. 400 KV lines to ETPS Expansion STPP.	EXP. DURING 2020-21	407.38
		EXP. DURING 2021-22	
LAND POSSESSION	Acquisition of Land does not arise since own Land of TANGEDCO (Out of 1100 acres available at Ash Dyke of NCTPS , only 500 Acres of ash dyke is utilised for the development of the subject project)	EXP. OF MAY'21	
WATER ALLOCATION	Supply of 4 MGD water from CMWSSB obtained. However desalination plant is envisaged in the project.	**TOTAL EXPENDITURE (UPTO 31.05.21)**	4502.22
MOEF CLEARANCE	MOEF Letter No. J 13012 / 36/2010-1A.II(T) dt.07.01.2014. Validity extended upto 31.12.2023 as per MoEF lr. Dt.09.04.2021		
CIVIL AVIATION CLEARANCE	Airport Authority has been addressed to issue NOC vide Letter No:Se/C/P&E/EE/EMC/AEE/C/F.ETPS-SEZTPP/D768 dt 17.4.2010. No Objection certificate issued by Airport Authority of India for the construction of chimney for the proposed Ennore SEZ TPP-2X800MW Project vide Lr.Ref:AAI/SR/NOC/dt 13.5.2010-validity 7 years available.Validity extended upto 13.5.22 vide their letter dt 19.5.17.		
CPCB CLEARANCE	Not applicable		
SPCB CLEARANCE	Consent to establish under Air and water Acts issued by TNPCB vide order 2002229941522 Dt.26.11.2020 extended the validity upto 06.01.2021. Extension of validity upto 31.12.2023 is under process.		
FOREST CLEARANCE	Not applicable		

UNDER-CONSTRUCTION UNITS WISE MILESTONE DATES (ACTUAL / ANTICIPATED)

Sl.	MILESTONE	UNIT-01		UNIT-02	
		Original Date of Completion	Actual/Anticipated Date of Completion	Original Date of Completion	Actual/Anticipated Date of Completion
1	COMPLETION OF BOILER FOUNDATION	13.08.15	14.09.17	13.10.15	07.06.18
2	START OF BOILER ERECTION	25.08.15	15.09.17	28.10.15	08.06.18
3	BOILER DRUM LIFTING	NA	NA	NA	NA
4	BOILER CEILING GIRDER LIFTING COMPLETION	28.01.16	30.11.18	28.03.16	16.05.19
5	BOILER HYDRO TEST (DRAINABLE) COMPLETION	28.12.16	15.02.20	27.02.17	29.03.21
6	BOILER HYDRO TEST (NON-DRAINABLE) COMPLETION	28.04.17	30.07.22	28.06.17	30.08.22
7		30.05.17	30.08.22	29.07.17	30.09.22
8	CHEMICAL CLEANING	10.06.17	07.09.22	10.08.17	05.10.22
9	STEAM BLOWING START	20.06.17	15.09.22	20.08.17	10.10.22
10	STEAM BLOWING COMPLETION	15.07.17	15.10.22	15.09.17	10.11.22
11	HP PIPING ERECTION START	27.04.16	15.03.22	27.06.16	15.01.22
12	HP PIPING ERECTION	27.05.16	15.03.22	27.07.16	15.01.22
13	CONDENSER ERECTION START	27.04.17	15.12.22	20.06.17	15.01.23
14	TG ERECTION START	10.06.17	20.12.22	10.08.17	25.01.23
15	TG BOX UP	27.09.17	30.01.23	27.11.17	15.03.23
16	START OF OIL FLUSHING	27.10.17	28.02.23	27.12.17	30.03.23
17	ROLLING & SYNC.	27.11.17	30.03.23	27.01.18	30.04.23
18	FULL LOAD	27.10.17	28.02.23	27.12.17	30.03.23
19	TRIAL RUN	27.11.17	30.03.23	27.01.18	30.04.23
20	COD	27.01.18	15.04.23	27.03.18	15.05.23
21	PG TEST START AND COMPLETION	27.01.18	30.04.23	27.03.18	30.05.23

MAIN PLANT PACKAGE (BTG VENDOR): M/S BHEL

Sl.	Packages	AREA	UNIT-01 (Percentage Completion)	UNIT-02 (Percentage Completion)
1	BOILER	CIVIL STRUCTURE PRESSURE PARTS	90% 75.20% 86.26%	90% 75.19% 72.10%
2	TG	CIVIL STRUCTURE PRESSURE PARTS	25% YET TO START YET TO START	37% YET TO START YET TO START
3	ESP	UNDER PROGRESS	70%	57%
4	FGD	FGD Tender Specification is being received from M/s. Desein Pvt Ltd. Civil, Mechanical and C&I specifications are received and the same is under verification. After specification approval from Board/TANGEDCO, Tender for setting up of FGD will be floated.		

STATUS OF BOPs (BHEL-EPC)

Sl.	Packages/ Linked Project Milestones	Vendor/Contracting Agency (EPC-BHEL)	UNIT-01 (Percentage Completion)	UNIT-02 (Percentage Completion)
1	Chimney	M/s.Simplex	WILL BE UPDATED BY ENNORE SEZ TPP IN JUNE STATUS	WILL BE UPDATED BY ENNORE SEZ TPP IN JUNE STATUS
2	Coal Handling Plant	M/s.Bevcon (Conveyor package supply), M/s.FLSIDTH- Pipe conveyor package		
		M/L&T: Crusher package supply		
		M/s.Promac : Stacker Reclaimer supply, M/s.Elecon : Vibrating Grizzy feeder supply, M/s.BEML: Dozers supply, M/s.APC: Water system		
3	Ash Handling Plant	M/s.Indure (for supply and erection for mechanical packages) , M/s.Turbo Engineers for Sluury disposal pipes supply M/s.Weir for Slurry pumps supply, M/s.Atlas Copco& M/s.Ingersoll for Compressor supply M/s.Suraj cables for LT cables, M/s.Gem cabs for HT power cable supply, BHEL - BPL for HT motors, M/s.Mahaveer for earthing material supply,M/s.Premier for Cable trays & accessories supply		
4	Fuel Oil System	M/s.New Fire Engineers Pvt ltd.		
5	Cooling Towers	M/s.Simplex (Design – Paharpur)		
6	CW Pump house & Piping	CW Pump House - M/s Cornerstone (De-scoped from M/s.Simplex),CW Piping: BHEL / M/s Vijay Gowtham- (De-scoped from M/s.Simplex)		
7	PT Plant	M/s.Otoklin Global business services for supply and erection package		
8	DM Plant	M/s Cornerstone (De-scoped from M/s.Simplex)		
9	Air Compressor	M/s.ELGI Equipments Ltd.		
10	Fire Protection System	BHEL- PE&SD		
11	Switch Yard	BHEL-TBG (Awarded to Sakthi Kanna Construction Ltd & M/s.Vijay Gowtham- De-scoped from M/s.Simplex)		
12	Station Transformers	M/s Cornerstone		
13	Unit Transformers	M/s Cornerstone		
14	Railway siding	NA		
15	Power Evacuation	TANGEDCO Scope		

REASONS OF DELAY :

1) Zero date is 27.09.2014, Works commenced at Site on 09.10.2014. Project works temporarily suspended from 07.09.2015 to 18.10.2016 due to litigation. Original completion schedule is March 2018. Work resumed at Site from 19.10.2016. Completion schedule re-fixed to 06.05.2019 (without levy of LD & penalty) due to time lost of 407 day due to court case. Time extension granted from 06.05.2019 to upto 31.08.2020 for U#1 and 31.10.2020 for Unit 2 without prejudice to levy of LD & Penalty clauses. Once again time extension granted from 01.09.2020 to 31.05.2022 for Unit 1 & from 01.11.2020 to 14.08.2022 for Unit 2 without prejudice to levy of LD & Penalty clauses.

2) Entire project civil works were awarded to M/s.Simplex. Wherever slow progress of work noticed, BHEL has descoped the certain works from M/s.Simplex based on TANGEDCO's request, but still the progress is very poor from M/s.Simplex.

3) Project activities are slow down since 24th March 2020 due to lock down enforced by GOI in view of COVID-19 outbreak. Permission accorded by Distt Collector (Thiruvalur) for resumption of work at site with only 600 manpower on 25.04.2020. Work resumed by BHEL from 18.05.2020. Project activities affected with limited man power due to complete lockdown from 10.05.2021 to 14.06.2021 & further extended upto 21.06.2021 announced by GoTN. Due to recent restrictions by Govt on use of Oxygen for Industrial purpose, structural work is being affected badly. BHEL to overcome this issue and increase the manpower at site to speed up the progress works.

CRITICAL AREA/ ASSSISTANCE REQUIRED:

1:Long term Coal Linkage application submitted on 26.02.2010 to Ministry of Coal/GoI/New Delhi for the supply domestic coal. Coal allocation is yet to be received. However MoU has already been signed between MMTC & TANGEDCO on 25.06.2012 for the supply of 100% Import coal for this project. CEA vide their letter dt.19.02.2019 communicated that development of Chandrabila coal block is getting delayed and hence MoP may consider to recommend for accord of Bridge Linkage based on use of blended coal consisting of 50% imported coal and 50% Indigenous Coal for 1x660MW Ennore Expansion project,2x660MW Udangudi Thermal Power Project Stage I, and 2x660MW Ennore SEZ STPP project.During the standing linkage committee (SLC) meeting held on 24.6.2019 it has been decided that the discussion on the Bridge Linkage will be taken up in the next SLC meeting.- FSA is awaited from Ministry of Coal.

2:The progress in NDCT is affected from 06.12.19 onwards and M/s. Paharpur has issued Suspension Notice on 27.05.20 (initiated on 10.03.20) and the works are in standstill condition. Hence early steps shall be taken by M/s.BHEL to resume the activity.

UPPUR SUPERCRITICAL THERMAL POWER PROJECT,2X8000 MW

As on 31.05.2021

STATE SECTOR

Developer- TANGEDCO	**Zero Date:** 03.08.2017	**Main Plant Vendor-**M/S BHEL	**Original/Actual COD UNIT-01**	01-02-2021/ FY 2024-25
			Original/Expected COD UNIT-01	01-02-2021/ FY 2024-25
ADDRESS : - Dist.-Ramnad, Tamilnadu (623503).			**E-GEN PORTAL:** REGISTRATION STATUS- NO	

CLEARANCES AND STATIC DATA		**FINANCIAL DATA (in Crore)**	
FUEL TYPE	Coal Base	**ORIGINAL ESTIMATED COST OF THE PROJECT**	Rs.12778 Crs
COAL COMBUSTION TECHNOLOGY	Supercritical	**LATEST ESTIMATED COST**	Not Applicable
APPROVAL DATE/NOTICE TO PROCEED (NTP)	BGT-SE/E/T & H(P)/OT No. 01/ 2015-16. BOP-SE/E/T&H(P)/OT.No.1/2020-21. SWIOP-SE/C/TP/OT.NO.2/2016-17.	**DATE OF FINANCIAL CLOSURE**	Financial tie up with M/s. PFC
ZERO DATE:	BTG:03.08.2017 BOP:21.02.2018 SWIP: 08.05.2018	**EXP. DURING 2016-17**	16.74
PPA	NOT APPLICABLE. State sector project.	**EXP. DURING 2017-18**	226.62
COAL LINKAGE/FSA	MOU entered with M/s. MMTC for supply of imported Coal of 5.02 MTPA on 25.05.2015	**EXP. DURING 2018-19**	1594.15
START UP POWER AGREEMENT	230KV/11 Karaigudi Feeder	**EXP. DURING 2019-20**	924.32
POWER EVACUATION SYSTEM	765 KV	**EXP. DURING 2020-21**	366.61
		EXP. DURING 2021-22	0
LAND POSSESSION	Land reuired for the proejct is under TANGEDCO Possesson. EPC COntracts awarded to M/s. BHEL & M/S L&T has been suspended as per the NGT(SZ), Chennai Judgment dated 17.03.2021, delivered on Appeal No. 144 of 2016(SZ) filed in the designated court for a period of six months or until further orders	**EXP. OF MAY'21**	NIL
WATER ALLOCATION	Tamil Nadu Maritime Board has issued NOC for construction of Jetty for drawal and discharge of cooling water, vide 27.4.2015.	**TOTAL EXPENDITURE (UPTO 31.05.21)**	3128.44
MOEF CLEARANCE	Ministry of Environment and Forest has accorded clearance for the above Project on 18.05.2016.		
CIVIL AVIATION CLEARANCE	Clearance expired on 21.11.2019. Clearance further extended upto 21.11.2024.		
CPCB CLEARANCE	NOT APPLICABLE. State sector project.		
SPCB CLEARANCE	CRZ committee of MOEF recommended the Project on 28.1.16 and MOM published in web site on 8.2.16.		
FOREST CLEARANCE	NOT APPLICABLE		

UNDER-CONSTRUCTION UNITS WISE MILESTONE DATES (ACTUAL / ANTICIPATED)

Sl.	MILESTONE	UNIT-01		UNIT-02	
		Original Date of Completion	Actual/Anticipated Date of Completion	Original Date of Completion	Actual/Anticipated Date of Completion
1	COMPLETION OF BOILER FOUNDATION				
2	START OF BOILER ERECTION	03.06.2018		03.06.2018	
3	BOILER DRUM LIFTING	NA		NA	
4	BOILER CEILING GIRDER LIFTING COMPLETION				
5	BOILER HYDRO TEST (DRAINABLE) COMPLETION	22.07.2019		22.07.2019	
6	BOILER HYDRO TEST (NON-DRAINABLE) COMPLETION	20.02.2020		20.02.2020	
7		12.02.2020		12.02.2020	
8	CHEMICAL CLEANING	19.03.2020		19.03.2020	
9	STEAM BLOWING START	16.04.2020		16.04.2020	
10	STEAM BLOWING COMPLETION	16.04.2020		16.04.2020	
11	HP PIPING ERECTION START	19.12.2019		19.12.2019	
12	HP PIPING ERECTION COMPLETION	19.12.2019		19.12.2019	
13	CONDENSER ERECTION START	23.01.2020		23.01.2020	
14	TG ERECTION START	19.03.2020		19.03.2020	
15	TG BOX UP	13.02.2020		13.02.2020	
16	START OF OIL FLUSHING	19.03.2020		19.03.2020	
17	ROLLING & SYNC.	06.05.2020		06.05.2020	
18	FULL LOAD	03.06.2020		03.06.2020	
19	TRIAL RUN				
20	COD	01.02.2021		01.02.2021	
21	PG TEST START AND COMPLETION	01.02.2021		01.02.2021	

MAIN PLANT PACKAGE (BTG VENDOR): M/S BHEL

Sl.	Packages	AREA	UNIT-01 (Percentage Completion)	UNIT-02 (Percentage Completion)
1	BOILER	CIVIL STRUCTURE PRESSURE PARTS	23% 55% 1%	30% 31% NIL
2	TG	CIVIL STRUCTURE PRESSURE PARTS	WORK YET TO BE COMMENCED	
3	ESP	UNDER PROGRESS	14%	6%
4	FGD	CONTRACT YET TO BE AWARDED		

STATUS OF BOPs (M/s L&T)

Sl.	Packages/ Linked Project Milestones	Vendor/Contracting Agency (EPC-BHEL)	UNIT-01 (Percentage Completion)	UNIT-02 (Percentage Completion)
1	Chimney	RETENDERING WORK UNDER PROGRESS	RETENDERING WORK UNDER PROGRESS	RETENDERING WORK UNDER PROGRESS
2	Coal Handling Plant			
3	Ash Handling Plant			
4	Fuel Oil System			
5	Cooling Towers			
6	CW Pump house & Piping			
7	PT Plant			
8	DM Plant			
9	Air Compressor			
10	Fire Protection System			
11	Switch Yard			
12	Station Transformers			
13	Unit Transformers			
14	Railway siding			
15	Power Evacuation			

REASONS OF DELAY :

1:The EPC contracts awarded to M/s. BHEL & M/S L&T has been suspended as per the NGT(SZ), Chennai Judgment dated 17.03.2021, delivered on Appeal No. 144 of 2016(SZ) filed in the designated court for a period of six months or until further orders.

NORTH CHENNAI SUPER CRITICAL THERMAL POWER PROJECT STAGE III (1X800 MW)

As on 31.05.2021

STATE SECTOR

Developer- TANGEDCO	**Zero Date:**29.01.2016	**Main Plant Vendor-**M/S BHEL (BTG)	**Original/Actual Trial Run UNIT-08**	28.04.2019/ FEB 2022
ADDRESS : - NCTPP Stage III, Athipattu village, Ponneri Tk, Tiruvallur Dt, Chennai - 600 120.			**E-GEN PORTAL:** REGISTRATION STATUS- NO,	
CLEARANCES AND STATIC DATA			**FINANCIAL DATA (IN CR.)**	
FUEL TYPE		Coal Based	**ORIGINAL ESTIMATED COST OF THE PROJECT**	Rs.6376 crores.
COAL COMBUSTION TECHNOLOGY		Super critical	**LATEST ESTIMATED COST**	Rs.8722.86 crores
APPROVAL DATE/NOTICE TO PROCEED (NTP)		BTG : SE/E/T & H (P)/ OT No. 02/2015-16 ; BOP : SE/E/T & H (P) OT No.04/2015-16	**DATE OF FINANCIAL CLOSURE**	In-prinicpal approval for financial assistance of Rs.5006.992 crores with Debt : Equity ratio of 80 : 20 for setting up of 1 x 800 MW Supercritical Thermal Power Plant in Tiruvallur District of Tamil Nadu has been received from M/s. REC on 05.08.2016. Loan has been sanctioned on 22.11.2016. Loan Agreement was signed on 28.01.2017.
ZERO DATE:		BTG : 29.01.2016 BOP : 28.10.2016	**EXP. DURING 2012-13**	0.2058
PPA		NOT APPLICABLE. State sector project.	**EXP. DURING 2013-14**	0.3955
COAL LINKAGE/FSA		MOU has been entered with M/s. MMTC for supply of Imported coal of 2.51 MTPA on 25.05.2015. Ministry of Coal recommended for long term coal linkage for 1.971 MT Indigenous coal to Singareni colleries. Execution of FSA is under finalization between TANGEDCO and SCL. FOR SUPPLY OF Imported Coal of 2.51 MTPA	**EXP. DURING 2014-15**	0.1294
START UP POWER AGREEMENT		Start up Power Arrangement is through 230 KV level by ine-In-Line-out of NCTPS 1 to Ennore Feeder. Station Transformer was charged on 05.09.2020.	**EXP. DURING 2015-16**	0.2529
POWER EVACUATION SYSTEM		Power Evacuation is through 765 KV DC feeder to the proposed North Chennai Pooling Station and 765 KV DC link line feeder to the proposed Ennore Replacement Power Plant and the same is being established by TANTRANSCO.	**EXP. DURING 2016-17**	198.08
LAND POSSESSION		The proposed site is within the existing NCTPS complex and land is already under possession of TANGEDCO.	**EXP. DURING 2017-18**	929.75
WATER ALLOCATION		The raw water requirement for this project will be met from existing cooling water fore-bay of NCTPS, Stage-II. The make up water for cooling water, boiler make up and other sweet water requirements are to be met from desalination plant under construction for this project. Construction water from M/s. CMWSSB available to the contractor from 07.01.2017.	**EXP. DURING 2018-19**	2243.52
MOEF CLEARANCE		Environmental clearance issued by MoEF on 20.01.2016 valid for a period of seven years.	**EXP. DURING 2019-20**	2090.62
CIVIL AVIATION CLEARANCE		Chimney constructed for full height and the same was informed to Airports Authority of India.	**EXP. DURING 2020-21**	928.95
			EXP. DURING 2021-22	40
CPCB CLEARANCE		NOT APPLICABLE. State sector project.	**EXP. OF MAY'21**	20
SPCB CLEARANCE		Approval has been obtained on 13.04.2017.	**TOTAL EXPENDITURE (UPTO 31.05.21)**	6431.81
FOREST CLEARANCE		NOT APPLICABLE since the same is not coming under Forest area.		

UNDER-CONSTRUCTION UNITS WISE MILESTONE DATES (ACTUAL / ANTICIPATED)			
Sl.	MILESTONE	UNIT-01	
		Original Date of Completion	Actual/Anticipated Date of Completion
1	COMPLETION OF BOILER FOUNDATION	31-10-2016	14-06-2018
2	START OF BOILER ERECTION	29.11.2016	30.08.2017
3	BOILER DRUM LIFTING	NA	NA
4	BOILER CEILING GIRDER LIFTING COMPLETION	11-05-2017	31.07.2018
5	BOILER HYDRO TEST (DRAINABLE) COMPLETION	28.02.2018	31.12.2019
6	BOILER HYDRO TEST (NON-DRAINABLE) COMPLETION	26.09.2018	01.07.2021
7	BOILER LIGHT UP	29.10.2018	23.02.2021
8	CHEMICAL CLEANING	27.02.2019	01.08.2021
9	STEAM BLOWING START	31-12-2018	01.10.2021
10	STEAM BLOWING COMPLETION	29-01-2019	01.11.2021
11	HP PIPING ERECTION START	24-10-2017	25.03.2018
12	HP PIPING ERECTION COMPLETION	13-04-2019	01.08.2021
13	CONDENSER ERECTION START	29.08.2017	02.01.2019
14	TG ERECTION START	28.10.2017	25.02.2019
15	TG BOX UP	07.11.2018	01.02.2021
16	START OF OIL FLUSHING	29.11.2018	03.11.2020
17	ROLLING & SYNC.	28-02-19	01.12.2021
18	FULL LOAD	28.03.2019	01.01.2022
19	TRIAL RUN	28-04-2019	FEBRUARY 2022
20	COD	28.07.2019	01.03.2022
21	PG TEST START AND COMPLETION	28-07-2019	MAY 2022

MAIN PLANT PACKAGE (BTG VENDOR): M/S BHEL (29.01.2016)			
Sl.	Packages	UNIT-01	% Completion
1	BOILER	Civil works Structural works	95% 89% 96%
2	TG	Civil works Structural works Pressure Parts	100% 98% 90%
3	ESP	Pass status	100.00%
4	FGD	WORK AWARDED on 22.02.2021. DESIGN AND ENGINEERING WORKS UNDER PROGRESS.	

STATUS OF BOPs-BGRESL/Chennai

Sl.	Packages/ Linked Project Milestones	Vendor/Contracting Agency	% Completion
1	Chimney	M/s BGRESL	97%
2	Coal Handling Plant		77%
3	Ash Handling Plant		45%
4	Fuel Oil System		95%
5	Cooling Towers		80%
6	CW Pump house & Piping		60%
7	PT Plant		75%
8	DM Plant		80%
9	Air Compressor		90%
10	Fire Protection System		71%
11	Switch Yard		80%
12	Station Transformers	BHEL / PSSR	100%
13	Unit Transformers	BHEL / PSSR	80%
14	Railway siding	NA	
15	Power Evacuation	TANTRANSCO	88%

REASONS OF DELAY :

1. REASONS OF DELAY(BTG & BOP, mention separately) : Due to COVID Lock down in 2020 & 2021 and non availability of Oxygen, Delay in CW pipe line readiness.

2.Ash Handling Plant- Under-reamed piling and ADPL erection are in progress. Piling activities inside water bodies, viz., Buckingham canal, Kosasthalaiyar river and Bridge across Boat canal are in critical area, as monsoon rain affects the work progress.

TUTICORIN THERMAL POWER PROJECT STAGE IV (1x525 MW)

As on 31.05.2021

PRIVATE SECTOR

Developer- M/s. SEPC Power Private Ltd.	**Zero Date:** 18.01.2014	**Main Plant Vendor-** BHEL-BTG	**Original/Anticipated Trial Run UNIT-01**	SEP 2018 /15 JULY 2021
ADDRESS : -M/s. SEPC Power Private Ltd., Check Post 1, VOC Road, VOC Port Trust, Thoothukudi-628004			**E-GEN PORTAL:** REGISTRATION STATUS- YES (1200000178)	

CLEARANCES AND STATIC DATA		**FINANCIAL DATA (in Crore)**	
FUEL TYPE	Imported Coal	**ORIGINAL ESTIMATED COST OF THE PROJECT**	Original & Latest Estimated Project Cost #: Rs 3514 Crore (TNERC approved Cost on 30.4.2015). Latest cost would be submitted as Part of final true up of capital cost.
COAL COMBUSTION TECHNOLOGY	Sub Critical	**LATEST ESTIMATED COST**	
APPROVAL DATE/NOTICE TO PROCEED (NTP)	Project Approval Date: 03.08.2009	**DATE OF FINANCIAL CLOSURE**	30.10.2015 (FCD approved by Hon'ble TNERC)
ZERO DATE:	30.10.2015 (NTP issued to EPC Contractor), 18.01.2014 (Date of Award on EPC Basis to M/s MEIL)	**Exp. Upto Fy 2015-16**	480.79
PPA	Signed with TANGEDCO and the PPA approved by the Hon'ble TNERC on 30.04.2015.	**Exp. during 2016-17**	248.7
COAL LINKAGE/FSA	Imported Coal firmed up and the Agreement with the Coal Supplier was approved by Hon'ble TNERC on 10.1.2020.	**Exp. during 2017-18**	822.94
START UP POWER AGREEMENT	09.10.2020 (Date of availing startup Power)	**Exp. during 2018-19**	508.91
POWER EVACUATION SYSTEM	2 X 400 kV approved by CEA and to be implemented by TANGEDCO / TANTRANSCO	**Exp. during 2019-20**	812.56
LAND POSSESSION	Land Lease Agreement signed with VOC Port trust and 100% possession obtained.	**Exp. during 2020-21**	561.55
		Exp. during 2021-22	183.83
		Exp of May'21	174.13
WATER ALLOCATION	Sea Water Desalination Plant is envisaged for meeting water requirement of the Power Plant. Permission to draw Sea Water from Sheltered Basin has been obtained from Port	**Total Exp.(Upto 31.05.21)**	3609.58
MOEF CLEARANCE	MOE & F Clearance Obtained and extended upto 2.11.2020. Since all construction works are completed (Civil & Mechanical) within the month of September 2020, thereafter CTO was obtained and therefore EC valid until 2.11.2020 is adequate and hence further extension not being taken up or required.		
CIVIL AVIATION CLEARANCE	Civil Aviation Clearance Obtained and valid up to 17.12.2021.		
CPCB CLEARANCE	NA		
SPCB CLEARANCE	State Pollution Control Board Clearance Obtained and valid upto 30.11.2021.		
FOREST CLEARANCE	NA		

UNDER-CONSTRUCTION UNITS WISE MILESTONE DATES (ACTUAL / ANTICIPATED)

Sl.	MILESTONE	UNIT-01	
		Original Date of Completion	Actual/Anticipated Date of Completion
1	COMPLETION OF BOILER FOUNDATION	15/12/2015	15/12/2015
2	START OF BOILER ERECTION	15/12/2016	15/12/2016
3	BOILER DRUM LIFTING	13/08/2017	13/08/2017
4	BOILER CEILING GIRDER LIFTING COMPLETION	NP	NP
5	BOILER HYDRO TEST (DRAINABLE) COMPLETION	28/12/2018	28/12/2018
6	BOILER HYDRO TEST (NON-DRAINABLE) COMPLETION	28/12/2019	12/03/2020
7	BOILER LIGHT UP	16/04/2020	20/10/2020
8	CHEMICAL CLEANING COMPLETION	NP	NP
9	STEAM BLOWING START	NP	NP
10	STEAM BLOWING COMPLETION	16/05.2020	15/02/2021
11	HP PIPING ERECTION START	NP	NP
12	HP PIPING ERECTION COMPLETION	NP	NP
13	CONDENSER ERECTION START	08/09/2017	08/09/2017
14	TG ERECTION START	08/09/2017	08/09/2017
15	TG BOX UP	25/02/2020	05/01/2021
16	START OF OIL FLUSHING	25/02/2020	30/09/2020
17	ROLLING & SYNC.	NP	30/06/2021
18	FULL LOAD	NP	05/07/2021
19	TRIAL RUN	NP	15/07/2021
20	COD	NP	25/07/2021
21	PG TEST START AND COMPLETION	NP	NP

MAIN PLANT PACKAGE (BTG VENDOR): BHEL

Sl.	Packages	UNIT-01	% Completion
1	BOILER	Civil works Structural works Pressure Parts	99% 97% 100%
2	TG	Civil works Structural works Pressure Parts	99% 100% 98%
3	ESP	Status	99%
4	FGD	YET TO AWARD	

STATUS OF BOPs

Sl.	Packages/ Linked Project Milestones	Vendor/Contracting Agency	% Completion
1	Chimney	Paharpur	100%
2	Coal Handling Plant	Lepton/MEIL (Conveyor package)	99%
		Promac India (Stacker Reclaimer)	70%
3	Ash Handling Plant	MBPL	96%
4	Fuel Oil System	MEIL	100%
5	Cooling Towers	Paharpur	100%
6	CW Pump house & Piping	Flow Serve	100%
7	PT Plant	Tecton	100%
8	DM Plant	Tecton	100%
9	Air Compressor	Atlas Copco (I) Ltd.	100%
10	Fire Protection System	IDSL	100%
11	Switch Yard	GE T&D	100%
12	Station Transformers		
13	Unit Transformers	Prolec GE	100%
14	Railway siding		
15	Power Evacuation		

Sl. No.	Project Details	Unit No.	Capa-city (MW)	Commissioning Schedule				Broad Status
				Original		Actual(A)/ As Expected		
				Syn. Comm	COD	Syn. Comm	Trial-run COD	
State Sector								
5	**Udangudi STPP - Stage-I** **Distt. Thoothukudi, Tamil Nadu** **[TANGEDCO]**	1 2	660 660	12/20 02/21 12/20 02/21	03/21 05/21	04/22 04/22 06/22 06/22	05/22 07/22	Preliminary works Engineering activities, Geo Technical works, Approach road works, Topographical survey , Jungle clearances and Temporary weigh Bridge Construction are completed. *Site levelling and Grading work under progress. *Boiler & ESP Civil foundation works completed and Erection work under progress. *Chimney earthwork excavation PCC completed. RCC Raft work completed. Shell wall works upto 224m completed. *TG foundation completed. *Mechanical Erection of Boiler I & II under progress. Compound wall, cooling water pump house, bunker, bowl mill, power house, sea water inake & outfall construction works, NDCT (Unit-I & II) excavation, Engineering and other civil works for non-plant buildings are in progress. About 2x750 mts intake pipe in SWIO system sinking completed in offshore. **Captive Coal Jetty :** *Topographical Survey, Land investigation, Bathymetry Survey, Marine investigation and Construction enabling activities completed. *Approach Pile and Pile cap construction activities are under progress in the off shore. *Total 5.5 km length of piles completed. *Casting of PSC Girders and Accropode Pre casting are under progress. *Pre casting of deck slab are under progress. *Brake water construction and Construction of compound wall work under progress. Unit-2 has a phase difference of 8 weeks. Appointment of Consultants (For Plant) - Project Management Consultancy LOA was issued to M/s.TATA Consulting Engineers Ltd., on 19.02.2019 for engaging Project Management Consultancy services in the post award of EPC contracts till completion of entire project and consultancy services for preparation of tender specification, analysis of bid, award and post award PMC services until completion of the FGD & SCR. For Captive Coal Jetty - TANGEDCO Board has approved the proposed of consultancy services through IIT Madras on nomination basis and the same was approved by GOTN on 07.02.2019.
	Original Cost/ Latest Cost	: Rs. 13076.70 Crores (Includes cost of Pollution Control Equipments & IDC) { a. Plant Rs. 7894.169 Crores & b. Coal Jetty Rs. 1902.87 Crores}						
	Expenditure during 2010-11 Expenditure during 2012-13 Expenditure during 2013-14 Expenditure during 2014-15 Expenditure during 2015-16 Expenditure during 2016-17 Expenditure during 2017-18 Expenditure during 2018-19 Expenditure during 2019-20 Expenditure during 2020-21 Expenditure during 2021-22	: 102.84 Crores (Upto 31.03.14 by UPCL) : 0.64375 Crores : 0.39802 Crores : 14.06281 Crores : 0.54035 Crores : 0.14855 Crores : 0.29594 Crores : 336.4342 Crores : 654.7697 Crores : 1778.574 Crores :201.95 Crores						
	Total Expenditure	**: 3090.65 Crores (up to 05/21)**						
	Zero date:	: 07.12.2017						
	Financial closure	. Financial tie up with REC						
	Main Plant Order & BOP	: EPC Contract was awarded to M/s. BHEL for Rs. 7359.00 Crores on 07.12.2017.						
	Captive Coal Jetty	EPC Contract was awarded to M/s ITD Cementation India Ltd for Coal Jettey to the Power Project for an amount of Rs. 1902.87 Crores (Post GST)						
	Type of fuel	: COAL. MMTC clearance obtained on 19.11.2012 (Import coal)						
	PPA	N.A. State sector project. Entire power will be utilised by Tamilnadu State.						
	Power Evacuation system	400 KV						
	• Land: Out of 1040 acres of land, Government Poromboke Land is of 760 acres and private patta lands of 280 acres. Around 760 acres of Govt. land and 135 acres of private land had been handed over by TANGEDCO to M/s. BHEL on 15.12.2017 for project preparatory works. Almost all 280 acres of private land are in possession of TANGEDCO except 11 acres which are under court case. 66 acres of land has been handed over to M/s. ITD cementation India Ltd., EPC contractor for Captive Coal Jetty. • MOE&F: Ministry of Environment and forest has accorded clearance for 2x800 MW of the project on 14.10.13 and for 2x660 MW amendment on 16.03.2017, which is valid up to 13.10.2023. • SPCB Clearance: Obtained. TNPCB has given consent for extension up to 31.03.2020. Extension for consent has been applied on 07.03.2020 and approval is awaited. • Civil Aviation Clearance: Obtained on 19.07.2016 valid till 18.07.2023. • CRZ clearance: Awarded for coal jetty on 06.06.2021, valid up to 05.06.2021. • Water: Intake of 21000 m^3/hr and outfall discharge of 13500 m^3/hr as per CRZ clearance dt. 06.06.2011, valid up to 05.06.2021.							
Critical issues								
Reasons for Delay	• Work stopped w.e.f. 23.03.2020 due to COVID pandemic. • Slow progress of work by BHEL.							

PK– 12.05.2021

Eastern Region

Thermal Power Plants

SAGARDIGHI THERMAL POWER PROJECT,1X660 MW

As on 31.05.2021

STATE SECTOR

Developer- MAHAGENCO	**Zero Date:**01.07.2020	**Main Plant Vendor-**M/S BHEL (EPC Contract-27.12.2018)	**Original/Anticipated Trial Run UNIT-01**	01.01.2024/ Will be scheduled Later
ADDRESS : - PS-Sagardighi, PO-Manigram, Pin-742237, Block-Sagardighi, Subdivision-Jangipur, District-Murshidabad, West Bengal			**E-GEN PORTAL:** REGISTRATION STATUS- NO,	

CLEARANCES AND STATIC DATA		**FINANCIAL DATA (in Crore)**	
FUEL TYPE	Coal	**ORIGINAL ESTIMATED COST OF THE PROJECT**	Rs. 3862.65 Cr. (Approved in the State Cabinet held on 23.03.2018.)
COAL COMBUSTION TECHNOLOGY	Supercritical	**LATEST ESTIMATED COST**	Rs. 4567.316 Cr. (Awaiting Approval)
APPROVAL DATE/NOTICE TO PROCEED (NTP)	Notice to Proceed Date: 01.07.2020 The proposal was approved in the State Cabinet held on 23.03.2018.	**DATE OF FINANCIAL CLOSURE**	02.01.2017
ZERO DATE:	Zero Date: 01.07.2020 For Main Plant BTG package has been awarded to Bharat Heavy Electricals Ltd (BHEL) and Award (LOA) date 27.12.2018	**Exp. during 2018-19**	70
PPA	Power Purchase Agreement executed with WBSEDCL	**Exp. during 2019-20**	56.25
COAL LINKAGE/FSA	Coal will be sourced mainly from captive coal mines of WBPDCL.	**Exp. during 2020-21**	362.47
		Exp. during 2021-22	76.08
START UP POWER AGREEMENT	Start up power shall be obtained from the other running units of the Sagardighi Thermal Power Project.	**Exp. Of May'21**	60.89
POWER EVACUATION SYSTEM	Power Evacuation from the proposed unit shall be done through the existing electrical network consisting of following feeders : (1) 220 KV New Sagardighi –1, (2) 220 KV New Sagardighi-2, (3) 400 KV Farakka-1, (4) 400 KV Farakka-2, (5) 400 KV Parulia-1, (6) 400 KV Parulia-2, (7) 400 KV Subhashgram, (8) 400 KV Jeerat, (9) 400 KV Baharampore-1, (10) 400 KV Baharampore-2, (11) 400 KV Gokarna-1, (12) 400 KV Gokarna -2.	**TOTAL EXPENDITURE (UPTO 31.05.21)**	438.55
LAND POSSESSION	Adequate land is available for the project. (WBPDCL have 365 Ha of land under possession for Phases I, II & III of the plant and another 184 Ha for ash disposal.)		
WATER ALLOCATION	Source:River Bhagirathi/Hooghly Quantity:74.36 cusec of water in total for the entire Project. Permission vide F. No. TE-15015/1/2019/NMCG, Dated: 01.07.2019 accorded by National Mission for Clean Ganga (Ministry of Water Resources, River Development & Ganga rejuvenation, Govt. of India) for drawal of 74.36 cusec of water from river Bhagirathi/Hooghly.		
MOEF CLEARANCE	Environmental clearance vide F. No. J-13012/01/2019-IA. I (T) dated 24.03.2020 accorded by MoEF & CC Govt. of India for new unit No 5 of 660 MW. Validity: Valid for a period of 7 years from the date of its issue to start operations by the power plant.		
CIVIL AVIATION CLEARANCE	NOC for height Clearance vide NOC ID: MALD/EAST/B/100316/175516, Dated: 19.10.2016 obtained from Airports Authority of India. Validity:The certificate is valid upto 7 years from the date of its issue. (This NOC has been issued by Airports Authority of India in pursuance of Govt of India-Ministry of Civil Aviation Order.)		
CPCB CLEARANCE	Not Applicable		
SPCB CLEARANCE	Online application for Grant of Consent to Establish / NoC has been be made to WBPCB on 27.03.2021		
FOREST CLEARANCE	Not Applicable		

UNDER-CONSTRUCTION UNITS WISE MILESTONE DATES (ACTUAL / ANTICIPATED)			
Sl.	MILESTONE	UNIT-01	
		Original Date of Completion	Actual/Anticipated Date of Completion
1	COMPLETION OF BOILER FOUNDATION	19.04.2021	U/P
2	START OF BOILER ERECTION	29.04.2021	27.03.2021
3	BOILER DRUM LIFTING	NA	
4	BOILER CEILING GIRDER LIFTING COMPLETION	30.12.2021	NIL
5	BOILER HYDRO TEST (DRAINABLE) COMPLETION	30.12.2022	30.12.2022
6	BOILER HYDRO TEST (NON-DRAINABLE) COMPLETION	29.05.2023	29.05.2023
7	BOILER LIGHT UP	13.06.2023	13.06.2023
8	CHEMICAL CLEANING COMPLETION	28.06.2023	28.06.2023
9	STEAM BLOWING START	13.07.2023	13.07.2023
10	STEAM BLOWING COMPLETION	12.08.2023	12.08.2023
11	HP PIPING ERECTION START	25.11.2022	25.11.2022
12	HP PIPING ERECTION COMPLETION	26.08.2023	26.08.2023
13	CONDENSER ERECTION START	03.03.2022	03.03.2022
14	TG ERECTION START	02.05.2022	02.05.2022
15	TG BOX UP	01.06.2023	01.06.2023
16	START OF OIL FLUSHING	28.03.2023	28.03.2023
17	ROLLING & SYNC.	01.09.2023	01.09.2023
18	FULL LOAD	NP	NP
19	TRIAL RUN	01.01.2024	01.01.2024
20	COD	NP	NP
21	PG TEST START AND COMPLETION	01.07.2024	01.07.2024

MAIN PLANT PACKAGE (BTG VENDOR): M/S BHEL (27.12.2018)			
Sl.	Packages	UNIT-01	% Completion
1	BOILER	CIVIL WORKS STRUCTURAL WORKS PRESSURE PARTS COMPLETION	30% .04% NIL
2	TG	CIVIL WORKS STRUCTURAL WORKS PRESSURE PARTS COMPLETION	PILE WORK U/P
3	ESP	CIVIL WORKS STRUCTURAL WORKS	PILE WORK U/P
4	FGD	Not Started yet	

STATUS OF BOPs

Sl.	Packages/ Linked Project Milestones	Vendor/Contracting Agency (EPC- BHEL)	% Completion
1	Chimney	Pre-bid done. Tender Opening date : 25.06.2021	
2	Coal Handling Plant	(Conveyor package) : M/s Bengal Tools Limited	Project is in early stage of development
		Twin Wagon Tippler : M/s ThyssenKrupp)	
		Existing Stacker Reclaimerof Stage-II will be used	
3	Ash Handling Plant	M/s. MacawberBeekeyPvt. Ltd.	Project is in early stage of development
4	Fuel Oil System	M/s. BHEL	
5	Cooling Towers	M/s. Paharpur Cooling Towers Limited	
6	CW Pump house & Piping	M/s. BHEL	
7	PT Plant	Will be used from Existing Stage – II Project.	
8	DM Plant		
9	Air Compressor	M/s. BHEL	Project is in early stage of development
10	Fire Protection System	M/s. BHEL	
11	Switch Yard	M/s. BHEL	
12	Station Transformers	M/s. BHEL	
13	Unit Transformers	M/s. BHEL	
14	Railway siding	NP	
15	Power Evacuation	Power Evacuation from the proposed unit shall be done through the existing electrical network consisting of following feeders : (1) 220 KV New Sagardighi –1, (2) 220 KV New Sagardighi-2, (3) 400 KV Farakka-1, (4) 400 KV Farakka-2, (5) 400 KV Parulia-1, (6) 400 KV Parulia-2, (7) 400 KV Subhashgram, (8) 400 KV Jeerat, (9) 400 KV Baharampore-1, (10) 400 KV Baharampore-2, (11) 400 KV Gokarna-1, (12) 400 KV Gokarna -2.	

REASONS OF DELAY :

LIST OF ABBREVIATIONS

Sl. No.	Abbreviation	Description
1	AHP	Ash Handling Plant
2	BAH	Bottom Ash Hopper
3	BFP	Boiler Feed Pump
4	BG	Barring Gear
5	BLU	Boiler Lightup
6	BOP	Balance of Plant
7	BTG	Boiler Turbine Generator
8	C&I	Control & Instrumentation
9	CF	Coal Fire
10	CHP	Coal Handling Plant
11	COD	Commercial Operation Date
12	CRH	Cold Re Heat
13	CW System	Cooling Water System
14	DM Plant	De Mineralisation Plant
15	EDTA	Ethyle Diamine Tetraacetic Acid
16	EPC	Erection Procurement & Commissioning
17	ESP	Electro Static Precipitator
18	FC	Financial Closure
19	FD Fan	Forced Draft Fan
20	FGD	Flue Gas De-sulphurisation
21	FL	Full Load
22	FO System	Fuel Oil System
23	FSA	Fuel Supply Agreement
24	GCB	Generator Circuit Breaker
25	GT	Generator Transformer
26	HCSD	High Concentrated Slurry Disposal
27	HPT	High Pressure Turbine
28	HRH	Hot Re Heat
29	HT	Hydraulic Test
30	ID Fan	Induced Draft Fan
31	IDCT	Induced Draft Cooling Tower
32	IPT	Intermediate Pressure Turbine
33	LOA	Letter of Award
34	LPT	Low Pressure Turbine
35	MDBFP	Motor Driven Boiler Feed Pump
36	MGR	Merry Go Round
37	MOE&F	Ministtry of Environment & Forests
38	MSL	Main Steam Line
39	NDCT	Natural Draft Cooling Tower
40	NTP	Notice To Proceed
41	PA Fan	Primary Air Fan
42	PHB	Power House Building
43	PPA	Power Purchase Agreement
44	PTP	Pre Treatment Plant
45	ROW	Right Of Way
46	SBO	Steam Blowing Operation
47	SCR	Selective Catalytic Reduction
48	SG	Steam Generator
49	ST	Station Transformer
50	SVF	Safety Valve Floating
51	Synch.	Synchronisation
52	TDBFP	Turbine Driven Boiler Feed Pump
53	TG	Turbine Generator
54	WT	Wagon Tippler
55	WTP	Water Treatment Plant