

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.5287
TO BE ANSWERED ON 25.07.2019**

ONGOING POWER PROJECTS

5287. SHRI A. RAJA:

**Will the Minister of POWER
be pleased to state:**

- (a) the details of the ongoing power projects within the country including Tamil Nadu;**
- (b) the funds sanctioned, allocated and utilised under these projects during the last three years and the current year across the country including Tamil Nadu;**
- (c) the details of the cost fixed initially for these projects along with the target set for completing the projects;**
- (d) whether some of the projects are facing huge cost/time overrun;**
- (e) if so, the details thereof and the reasons therefor along with the action taken by the Government for timely completion of these projects in future without cost overrun; and**
- (f) the time by which the said projects are likely to be completed?**

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER, NEW & RENEWABLE ENERGY AND MINISTER OF STATE FOR SKILL DEVELOPMENT & ENTREPRENEURSHIP

(SHRI R.K. SINGH)

(a) to (f) : At present 36 nos. of Hydro-electric projects (above 25 MW) aggregating to 12034.5 MW and 67 nos. of thermal power projects aggregating to 63676.15 MW are under construction in the country including Tamil Nadu. The details of the original/sanctioned cost & expenditure incurred during the last three years and the current year along with original/anticipated commissioning schedules as well as reasons for time and cost overrun in respect of the under construction Hydro-electric projects are given at Annexure-I.

In respect of Thermal Power Projects, as per Section 7 of the Electricity Act, 2003, “any generating company may establish, operate and maintain a generating station without obtaining a license/permission under this Act, if it complies with the technical standards relating to connectivity with the grid. Accordingly, sanction of the Government is not required for setting up of thermal power projects.”

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The details of original cost, commissioning schedule along with anticipated revised cost and schedule of completion, and reasons for delay in respect of under construction thermal projects are given in Annexure-II.

The steps being taken for timely completion of these power projects are as given below:

- (i) Ministry of Power/Central Electricity Authority (CEA) monitors the process of under construction power projects through frequent site visits and interaction with the developers and equipment suppliers. CEA holds review meetings periodically with the developers and other stakeholders and identify issues critical for commissioning of projects and help in resolving them.**
- (ii) Regular reviews are also undertaken by Ministry of Power, Ministry of Heavy Industries and Cabinet Secretariat to identify the constraint areas and facilitate faster resolution of inter-ministerial and other outstanding issues.**
- (iii) In case of Central Power Sector Undertakings (CPSUs) projects, the project implementation parameters/ milestones are incorporated in the annual MoU signed between respective CPSU's and MoP and the same are monitored during the quarterly performance review meeting of CPSU's and other meetings held in MoP/CEA.**
- (iv) Matters are taken up with State Government/District Administration for extending help to the project implementing agencies in resolving Right of Way (ROW) issues.**
- (v) As and when required, issues are also reviewed in the PRAGATI portal of PMO for proactive governance and timely implementation.**

ANNEXURE-I

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) TO (f) OF UNSTARRED QUESTION NO.5287 TO BE ANSWERED IN THE LOK SABHA ON 25.07.2019.

Details of under construction Hydro Electric Projects (above 25 mw) including cost and expenditure details with time/cost overrun during last three years and current year

Sl. No	Name of Project & State	Capacity (MW)	Commissioning Schedule		Cost (Rs. Crore)		Expenditure (Rs. Crore)		Reasons for Time and Cost Overrun
			Original	Anticipated	Sanc-tioned	Anticipated	Last 3 years (2016-19)	During 2019-20 (Month)	
Central									
1	Pakal Dul (CVPPL) J&K	1000	Apr-20	Aug-23	8112.12	8112.12	1086.32		* Delay in award of works
2	Parbati -II(NHPC) H.P.	800	Sep-09	Dec-21	3919.59	8398.76	1687.45	42.11 (Apr-19)	* Hon'ble High Court of Himachal Pradesh ban on stone crusher operation. * Delay in revised forest clearance. * TBM suffered extensive damage due to heavy ingress of water and slush in TBM face in Nov, 2006. * Slide in Power House area in Apr-04, Jun-06 and Feb-07. * Flash flood in 2004,2005,2010 and 2011. * Jiwa Nallah works affected due to cavity treatment. * Contractual issues. * Poor geology in HRT. * Cash flow issues with civil contractors.
3	Tehri PSP (THDC), Uttarakhand	1000	Jul-10	Jun-22	1657.6	4401.9	1085.77	77.52 (Apr-19)	* Approval of RCE as L-1 price bid was more than cost estimate. RCE approved in Nov-2011. * Cash flow problem with contractor. * Litigation by bidders. * Poor geology. * Local agitation at Asena Quarry. * Agitation at muck disposal area. * Poor preparedness of contractor. * Revision of Layout of machine hall due to poor geology. * Works stalled since April, 2018 due to funds constraints with contractor

4	Tapovan Vishnugad (NTPC) Uttarakhand	520	May-13	Dec-20	2978.48	3846.3	1150.2		* Heavy water ingress due to bad geology in HRT and rock fall on TBM. TBM struck up thrice.* Flash flood in June, 2013 & Aug'12 damaging coffer dam.* Termination of civil contracts for Barrage and HRT.* Cash flow issues with civil contractors.
5	Lata Tapovan (NTPC) Uttarakhand	171	Aug-17	Subject to restart of works (4 years)	1527	1801.07	6.16		* Flash flood during June, 2013 in Uttarakhand. * Local issues / non-start of works in Barrage area * Hon'ble Supreme court ban on construction works since May-14..
6	Vishnugad Pipalkoti (THDC) Uttarakhand	444	Jun-13	Dec-22	2491.58	3789.61	780.32	35.78 (Apr-19)	* CCEA approval in Aug-2008 but works could not be awarded due to Forest clearance/diversion of forest land. Forest land was acquired in January-14 and subsequently works awarded in January-2014. * Disruption of works by local people. * Cash flow problem with contractor.
7	Ramam-III (NTPC) West Bengal	120	Sep-19	Feb-22	1381.84	1592.34	255.14		* Delay in getting permission for tree felling from Govt. of West Bengal for Access road from Adit-1 to Adit-2. * Cash flow issues with civil contractors. * Strike / bandh during Gorkhaland agitation.
8	Subansiri Lower (NHPC) Ar. Pradesh/ Assam	2000	Sep-10	Subject to restart of works (4 years)	6285	18064	2355.53	60.3 (Apr-19)	* Delay in transfer of forest land.* Disruption of works by locals in Ar. Pradesh side. * Slope failure in Power House in Jan, 2008. * Damage to bridge on Ranganadi river. * Change in design of surge shafts to surge tunnels. * Stoppage of works due to agitation launched by Anti Dam activists in Assam against construction of Project. Work stopped since 16.12.2011. * Issue of D/s Impact. * Case in NGT.

9	Kameng (NEEPCO) Ar. Pradesh	600	Dec-09	Dec-19	2496.9	6179.96	2473.54	82.75 (Apr-19)	<ul style="list-style-type: none"> * Change in dam parameters. * Slow progress in dam & HRT due to bad geology, heavy seepage, inadequate machinery. * Flash flood in Oct. 08 and Sept. 2012. * Ingress of water in HRT. * Poor approach roads. * Contractual issues. * Shortage of aggregate. * Clearance for quarry from State Govt. * Slow Progress of works. * Leakage from penstocks & rectification of defects. * Cash flow issues with civil contractor
10	Naitwar Mori (SJVN) Uttarakhand	60	2021-22	2021-22	648.33	648.33	98.31		
11	Teesta St. VI (NHPC) Sikkim	500	Mar-24	Subject to restart of works (5 years)	5748.04	5748.04	907		<ul style="list-style-type: none"> * Poor geology. * Land acquisition. * Contractual issues * Funds constraints with developer (Private) and stalled since April, 2014 * M/s.LTHPL came under Corporate Insolvency Resolution Process. NHPC Ltd. emerged as H1 bidder. CCEA approval was accorded to NHPC on 08.03.2019.
State									
12	Parnai J&K	37.5	Jan-18	Mar-22	640	640	189.62	3.11 (May-19)	<ul style="list-style-type: none"> * Slow progress of works. * Delay in Land acquisition.
13	Lower Kalnai J&K	48	Sep-17	Subject to restart of works (4 years)	577	576.87	36.31		<ul style="list-style-type: none"> * Inadequate mobilization of man & machinery by Contractor. * Delany in finalization of R&R Plan. * Slow progress of works. * Funds constraints with contractor. Contractor under CDR.

14	Uhi-III H.P.	100	Mar-07	Jan-20	431.56	1281.52	343.49		<ul style="list-style-type: none"> * Delay in transfer of forest land. * Delay in acquisition of private land * Delay in transfer of quarry sites. * Delay in award of works. * Contract for construction of HRT rescinded twice i.e. during April, 2008 & July, 2010 due to slow progress and non-performance by the contractor. * Poor geology in HRT.
15	Sawara Kuddu H.P.	111	Dec-12	Mar-20	558.53	1181.9	293.35		<ul style="list-style-type: none"> * Delay in MOEF clearance. * Delay in award of Civil & E&M works. * Poor geology in HRT. * Slow progress of HRT Lining. * Contractual issues. * Contract for HRT package terminated on 9.1.14. Re-awarded in Nov,2014 to M/s. HCC.
16	Shontong Karcham H.P.	450	Mar-17	Apr-24	2807.83	3316.35	304.34		<ul style="list-style-type: none"> * Shifting of Army Ammunition Depot. * Local Issues.
17	Vyasi Uttarakhand	120	Dec-14	Jun-20	936.23	936.23	641.8		<ul style="list-style-type: none"> * Delay in award of works. * Local Issues.
18	Shahpurkandi Punjab	206	2015-16	Nov-21	2286	2715.7	662		<ul style="list-style-type: none"> * Works of Dam stopped since 29.08.2014 due to inter-state dispute between states of J&K & Punjab on sharing of waters of river Ravi and Tariff.
19	Koyna Left bank PSS Maharashtra	80	Oct-14	Subject to restart of works (4 years)	245.02	691.95 Power component	145.97		<ul style="list-style-type: none"> * Slow progress of works. * Fund constraints due to increase in project cost. RCE under approval.
20	Indrasagar Polavaram (PPA) Andhra Pradesh	960	-	-	3013.68	5338.95	758.18		
21	Pallivasal (KSEB) Kerala	60	Mar-11	Dec-21	283.19	550	83.84		<ul style="list-style-type: none"> * Slow progress of civil works. * Delay in land acquisition. * Change in alignment of Adit to HRT. * Poor geology strata in HRT. * Heavy Monsoon * Works stopped by contractor since 28.1.15 to 11.04.2017 due to contractual issues. * Contract terminated on 13.09.2018. Matter in Hon'ble High Court of Kerala.

22	Thottiyar (KSEB) Kerala	40	Apr-12	Dec-20	145.47	280	10.74		<ul style="list-style-type: none"> * Land acquisition issue. * The works of weir and approach channel stopped from 2010 to 2012 by local people. * The work stopped by Court from 12.12.2012 to April-2013. * Contractual issues. * Financial crunch with contractor. * Foreclosure of earlier contract in April,2017 and balance works re-awarded in January, 2018.
23	Kundah Pumped Storage-I Tamil Nadu	125	2021-22	2022-23	488	989.8	221.52	22.23 (May-19)	<ul style="list-style-type: none"> * Delay in award of Civil & HM works * Civil & HM works have been taken up from 05/2018 only
Private									
24	Ratle J&K	850	2017-18	Subject to restart of works (5 years)	5517.02	6275	0		<ul style="list-style-type: none"> * Slow progress of works. * Works suspended since 11.7.14 due to frequent local disturbance. * Developer wants to surrender the Project to State Govt. Govt. of J&K, PDD have terminated PPA on 09.02.2017 and directed JKSPDC to take over the project. * The parties namely, GVKRHEPPL and JKPDD have contested their respective claims and matter is now Sub-judice. * JV of JKSPDC & NHPC formed for implementation of project.
25	Sorang H.P.	100	Nov-11	Mar-20	586	586	0		<ul style="list-style-type: none"> * Poor geology. * Poor weather conditions, difficult & poor accessibility. * Penstock cracks / leakage during filling of Water conductor System in Nov '13. * Rupture in surface penstock in Nov-15 during trial run. * Funds constraints with developer.

26	Tidong-I H.P.	100	Oct-21	Oct-21		940	163.74	36.56	* Delay in NOC by Projects affected Panchayats. * Suspension of works by Govt. for one year. * Funds constraints with the developer
27	Tangnu Romai-I H.P.	44	Jun-14	Subject to restart of works (4 years)	255	641.89	0		* Slow progress of civil works. * Poor geology. * Difficult area. * Weather conditions & accessibility. * Financial constraints with the developer.
28	Bajoli Holi H.P.	180	May-18	Mar-20	1696.93	2205	704	94 (May-19)	* Slow progress of works.
29	Phata Byung Uttarakhand	76	Jun-12	Subject to restart of works (3 years)	520	1225.53	78.86		* Flash flood in June,2013. * Poor geology in HRT.
30	Singoli Bhatwari Uttarakhand	99	Dec-12	Mar-20	666.47	1694	892.47		* Poor geology in HRT.* Agitation by local people.* Flash flood in June,2013.
31	Maheshwar M.P.	400	Mar-02	Subject to restart of works (1.5 years)	1569.27	8121	0		* R&R issues * Cash flow problem with developer * PFC as lead lender have acquired majority equity i.e. 51% in the SMHPCL w.e.f. 1st June, 2016. Matter Sub-judice.
32	Rangit-IV Sikkim	120	Jan-12	Subject to restart of works (3.5 years)	726.16	1692.6	1.68		* Slow progress of HRT & Surge Shaft works due to poor geology. * Works hampered due to earthquake in September, 2011. * Financial constraints with developer
33	Bhasmey Sikkim	51	Jun-12	Subject to restart of works (3 years)	408.5	746.01	0		* Forest clearance * Financial constraints with developer
34	Rangit- II Sikkim	66	Apr-15	Subject to restart of works (2.5 years)	496.44	496.44	126.83		* Slow progress of works. * Financial constraints with the developer.
35	Rongnichu Sikkim	96	Jul-14	Sep-20	491.32	1187	821		* Land Acquisition * Poor geology.
36	Panan Sikkim	300	2018-19	Subject to restart of works (4.5 years)	1833.05	2516	17.7		* Clearance from NWLB received in December, 2015. * Clearance from NGT obtained * Applied for NoC from Govt. of Sikkim in NWLB angle

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Details of Under Construction Thermal Power Projects in the country

Sl. No.	State	Project Name / Impl. Agency/ EPC or BTG	Unit No	Capacity (MW)	Original Commissioning Schedule	Anticipated Commissioning Schedule	Original Cost Rs. In Crore	Latest Cost Rs. In Crore	Reason for Delay
CENTRAL SECTOR									
1	Bihar	Barh STPP-I /NTPC/Others	U-1	660	May-17	Apr-20	8693	15095.67	Delay due to contractual dispute of NTPC with Power machine & Technoprom export, Russia. *Orig. Sch. was in 2009-10 & 2010-11. Delay in supply of boiler material and ordering of Bought out Items(BOIs)by M/s TPE due to financial constraint. M/s. TPE stopped work from 10/13. M/s TPE contract was terminated on 14.01.2015 by NTPC. Delay in supply of material and slow progress by M/s. Power Machine, tube failures in superheated and Reheat area, Readiness of Railway line (Hazirabagh-Kodera-Tilaiya-Rajgi-Bkahktiarpur (250 Km))
			U-2	660	Nov-17	Apr-21			
			U-3	660	May-18	May-22			
2	Bihar	Nabi Nagar TPP / JV of NTPC & Riys/BHEL	U-4	250	Nov-13	Apr-20	5352.51	7998	Delay in acquisition of Land. Slow progress of works by main plant civil agency M/s ERA resulting in delay in handing over civil fronts to erection agencies. Delay in Supply of equipment by BHEL. Agitation by villagers. Patches of land could not be acquired because of unwillingness of people to accept compensation. Financial crunch faced by CHP vendor(Techpro).

3	<i>Bihar</i>	New Nabi Nagar TPP /JV of NTPC & BSPGCL TG-Alstom & Bharat Forge, SG-BHEL					13624.02	15131.67	Acquisition of balance land and relocation of homestead owners still living inside the project area.
			U-2	660	Jul-17	Apr-20			
			U-3	660	Jan-18	Mar-22			
4	<i>Chhatisgarh</i>	Lara STPP/NTPC / SG-Dooson TG-BGR Hitachi	U-2	800	May-17	Dec-19	11846	11846	Delayed due to power equipment supply, Delay in land acquisition, delay in radiness of boiler auxiliaries.
5	<i>Jharkhand</i>	North Karanpura STPP/ NTPC / BHEL	U-1	660	Feb-18	Oct-20	14367	14367	Delay in start of Civil works due to land acquisition issues. Delay in BHEL supplies related to boiler foundation. Delay in land handover by NTPC to BHEL due to change in main plant area location change in plot plan. Delay in award of ACC package by BHEL.
			U-2	660	Aug-18	Oct-21			
			U-3	660	Feb-19	Mar-22			
6	<i>MP</i>	Gadarwara STPP/ NTPC /BTG-BHEL	U-2	800	Sep-17	Dec-19	11638.55	11638.55	Work stopped due to agitation by villagers demanding additional compensate in for already acquired land. Delay in balance land acquisition for railway line corridor, slow progress by civil agency (B&R).RoU for MuW pipeline laying.
7	<i>MP</i>	Khargone STPP/ NTPC/ EPC - L&T	U-1	660	Mar-19	Jul-19	9870.51	9870.51	Broad gauge work from Khandwa to Nimarkheri (Take off point for Railway siding) by Western railways. Disbursement of compensation amount to balance beneficiaries of RoW who are not accepting the compensation amount, for laying of 66KV transmission line from plant to make up water pump house location.
			U-2	660	Sep-19	Mar-20			
8	<i>Odisha</i>	Darlipalli STPP/ NTPC / SG-BHEL TG-JSW & Toshiba	U-1	800	Feb-18	Sep-19	12532.44	12532.44	Delayed due to balance Land acquisition for railway siding, ROU issue for Makeup water line.
			U-2	800	Jun-18	Jun-20			

9	Rajasthan	Barsingar TPP ext/NLC/Reliance Infra	U-1	250	May-20	On Hold	2112.59	2112.59	GoR had informed that due to increased project cost and time overrun, Rajasthan DISCOM will not be in a position to buy the power. NLCIL had replied that delay is due to acquisition of Land for linked Mine by GoR and informed to review the decision. Matter is pending with GoR
10	Rajasthan	Bithnok TPP /NLC/Reliance Infra	U-1	250	May-20	On Hold	2196.3	2196.3	GoR had informed that due to increased project cost and time overrun, Rajasthan DISCOM will not be in a position to buy the power. NLCIL had replied that delay is due to acquisition of Land for linked Mine by GoR and informed to review the decision. Matter is pending with GoR. PROJECT IS ON HOLD
11	Telangana	Telangana STPP St- I / NTPC/SG- BHEL TG- Alstom & Bharatforge	U-1	800	Jan-20	Aug-20	10599	10599	Change in Boiler design w.r.to new environmental norms. Delay in BHEL supply
			U-2	800	Jul-20	Jul-21			
12	TN	Neyveli New TPP/ NLC/BHEL	U-1	500	Sep-17	Aug-19	5907.11	5907.11	Delayed due to change in design of foundations(depth) of main plant area and finalisation of civil contractors. Availability of soft water is delayed due to non-completion of erection of HDPE pipes. Delay in Placement of order for outlet channel & structure of CW system. Slow progress of Civil works.
			U-2	500	Mar-18	Mar-20			
13	UP	Meja STPP/ JV of NTPC & UPRVUNL/ SG-BGR TG-Toshiba	U-2	660	Dec-16	Jun-20	10821	10821	Delay in supply of boiler material by M/s BGR due to non-settlement of QSGM between BGR and Hitachi.. Slow progress of main plant civil works.

14	UP	Ghatampur TPP/ JV of NLC & UPRVUNL/ MHPS Boiler Pvt. Ltd.	U-1	660	Apr-20	Feb-22	17237.8	17237.8	Non sequential material supply
			U-2	660	Oct-20	Aug-23			
			U-3	660	Oct-20	Feb-23			
15	UP	Tanda TPP St II/ NTPC/ SG: L&T/ TG: Alstom	U-1	660	Sep-18	Sep-19	9188.98	9188.98	Balance Land acquisition in main plant & Ash dyke area. Poor mobilisation by civil agency, delay in engineering and supply.
			U-2	660	Mar-19	Apr-20			
16	Jharkand	Patratu STPP / JV of NTPC & Jharkhand Bidyut Vitran Nigam Ltd.	U-1	800	Dec-21	May-22			Newly started.
			U-2	800	Jan-22	Sep-22			
			U-3	800	Jul-22	Dec-22			
17	Odisha	Rourkela PP-II Expansion/NTPC-Sail Power Co Ltd (NSPCL)(JV of NTPC & Steel Authority of India (SAIL))/BHEL	U-1	250	Dec-18	Apr-22	1885.13	1885.13	Non sequential material supply. Non sequential planning of project facilities like railway siding, water corridor etc.
STATE SECTOR									
1	A.P	Dr.Narla Tata Rao TPS St-V / APGENCO / BTG- BHEL	U-1	800	Jun-19	Feb-20	5286.54	5286.54	Newly started.
2	A.P	Sri Damodaran Sanjeevaiah TPP St-II / APGENCO /BTG- BHEL	U-1	800	Mar-19	Sep-20	4276.04	6034	Slow progress due to civil work.
3	Assam	Namrup CCGT / APGCL / BHEL	ST	36.15	Jan-12	Dec-19	411	693.73	Delay in start and slow progress of of civil works, Termination of civil contractor. Poor soil conditions and heavy monsoon. Delay in supply of material by BHEL & shortage of skilled manpower. Termination of NBPL order. Delay in rearward of civil and Electrical Mechanical & Instrumentation agency.
4	Gujarat	Wanakbori TPS Extn. / GSECL SG-Alstom TG-Siemens	U-8	800	Oct-18	Oct-19	3536.51	3536.51	Due to soil strata a lot of piling (4300numbers) has been done in BTG area. Non-readiness of NDCT (100%) and fly ash disposal. Delay in readiness of TG Deck

5	<i>Karnataka</i>	Yelahanka CCPP BY KPCL	GT+ST	370	Mar-18	Oct-19	1571.18	1571.18	Delayed due to heavy Rain
6	<i>Maharashtra</i>	Bhusawal TPS/MAHAGENCO	U-6	660	No data	No data	N/A	N/A	Newly started
7	<i>Odisha</i>	Ib valley TPP / OPGCL BTG-BHEL	U-4	660	Dec-17	Sep-19	11965	11965	Acquisition of land for railway siding and availability of start-up power.
9	<i>Rajasthan</i>	Suratgarh SCTPP/ RRVUNL / BHEL	U-7	660	Sep-16	Sep-19	7920	7920	Slow progress of boiler erection.
			U-8	660	Dec-16	Sep-20			
10	<i>Telangana</i>	Bhadradi TPP / TSGENCO/ BHEL	U-1	270	Mar-17	Mar-20	5044	7290.6	Work held up due to NGT and Non availability of MoEF clearance.
			U-2	270	May-17	Sep-20			
			U-3	270	Jul-17	Mar-21			
			U-4	270	Sep-17	Sep-22			
11	<i>TN</i>	Ennore exp. SCTPP (Lanco) / TANGEDCO BTG-LANCO	U-1	660	Jan-18	Jul-21	5421.38	5421.38	Delayed due to LANCO Insolvency problem.
12	<i>TN</i>	Ennore SCTPP / TANGEDCO/ BHEL	U-1	660	Jan-18	Jul-21	9800	9800	Delayed due to excessive piling in power block area and slow progress of civil work.
			U-2	660	Mar-18	Feb-22			
13	<i>TN</i>	North Chennai TPP St-III TANGEDCO / BHEL	U-1	800	Mar-19	Jul-20	6376	6376	Slow progress due to civil work.
14	<i>TN</i>	Udangudi STPP Stage I/ TANGEDCO, EPC- BHEL	U-1	660	Feb-21	Dec-21	13076.71	13076.705	Newly started
			U-2	660	Feb-21	Jun-22			
15	<i>TN</i>	Uppur Super Critical TPP TANGEDCO /BHEL	U-1	800	Mar-19	Mar-22	12778	12778	Delay in start and slow progress of of civil works. Non sequential material supply
			U-2	800	Oct-19	Sep-22			
16	<i>UP</i>	Harduaganj TPS Exp-II / UPRVUNL/Toshiba JSW	U-1	660	Jun-19	Apr-20	4826.49	4826.49	Late receipt of MoEF and CC Clearance

17	<i>Telangana</i>	Yadadri TPS/TSGENCO/BHEL	U-1	800	Oct-20	Oct-20	29965	29965	Newly started
			U-2	800	Oct-20	Oct-20			

			U-3	800	Oct-21	Oct-21			
			U-4	800	Oct-21	Oct-21			
			U-5	800	Oct-21	Oct-21			
18	UP	Jawaharpur STPP/ UPRVUNL/ Doosan	U-1	660	Sep-20	Mar-21	10556.27	10556.27	Newly started
			U-2	660	Jan-21	Jul-21			
19	UP	Panki TPS Extn./ URVUNL	U-1	660	No data	No data	N/A	N/A	Newly started
20	UP	Obra-C STPP/ UPRVUNL/ Doosan	U-1	660	Sep-20	Apr-21	10416	10416	Slow progress due to civil work.
			U-2	660	Dec-20	Dec-20			
PRIVATE SECTOR									
1	AP	Bhavanapadu TPP Ph-I / East Coast Energy Ltd. BTG-Chinese	U-1	660	Oct-13	Uncertain	6571.94	9343.15	Work remained under suspension due to MoE&F order for a long time. After restart works hampered due to two cyclones . Agitation against State bifurcation. Slow progress of work at site due to financial problems.
			U-2	660	Mar-14	Uncertain			
2	AP	Thamminapatnam TPP stage -II / Meenakshi Energy Pvt. Ltd. SG-Cether vessels TG- Chinese	U-3	350	May-12	Dec-20	3120 (600MW)/ 5005 (700MW)		Slow progress of Civil works. Due to financial problem, work at site remained closed for a long time.
			U-4	350	Aug-12	Mar-21			
3	Bihar	Siriya TPP (Jas Infra. TPP) / JICPL BTG-Chinese	U-1	660	Aug-14	Uncertain	11120	11120	No work is going on at site. *Commissioning schedule would be assessed after re-start of work.
			U-2	660	Dec-14	Uncertain			
			U-3	660	Apr-15	Uncertain			
			U-4	660	Aug-15	Uncertain			
4	Chhattisgarh	Akaltara TPP (Naiyara) / KSK Mahandi Power Company Ltd./ Chinese	U-4	600	Apr-13	Apr-22	16190	27080	Delayed due to Financial Constraints
			U-5	600	Aug-13	Uncertain			
			U-6	600	Dec-13	Uncertain			

5	<i>Chhattisgarh</i>	Binjokote TPP/ SKS Power Generation (Chhattisgarh) Ltd. SG-Cethar Vessels TG-Harbin China	U-3	300	Mar-14	Uncertain	5058	7940	Work yet to start. Delay in balance land acquisition for ash dyke.
			U-4	300	Jun-14	Uncertain			
6	<i>Chhattisgarh</i>	Lanco Amarkantak TPP-II/ LAP Pvt. Ltd. BTG-DEC	U-3	660	Jan-12	Uncertain	6886	10815.24	Delay in acquisition of land for water system. Presently work is going slow at site due to financial problems.
			U-4	660	Mar-12	Uncertain			
7	<i>Chhattisgarh</i>	Singhitarai TPP / Athena Chhattisgarh Power Ltd. BTG -DECL	U-1	600	Nov-14	Uncertain	6200	8443.79	Delay in land acquisition. Slow progress of Boiler & TG erection. Delay due to financial problems.
			U-2	600	Feb-15	Uncertain			
8	<i>Chhattisgarh</i>	Salora TPP / Vandana Vidyut/ BTG-Cether Vessles	U-2	135	Sep-11	Uncertain	1458.44	1458.44	Delay in commissioning of unit-1. Agitation by villagers at site. Delay in supply of BTG and CHP material. Non cooperation of BTG supplier in commissioning activities. Acquisition for railway siding and ash pond.
9	<i>Chhattisgarh</i>	Deveri (Visa) TPP / Visa Power Ltd. BTG-BHEL	U-1	600	Aug-13	Uncertain	2618.7	3930	Order of AHP, Fire protection system, AC & ventilation system, LT/Ht switchgear, cables, air compressor, LT transformers, station, GT & unit transformer not yet placed. Work is on hold due to financial crunch.
10	<i>Jharkhand</i>	Matrishri Usha TPP Ph-I / Corporate Power Ltd. EPC-BHEL	U-1	270	Apr-12	Uncertain	2900	2900	Law and order problem. Delay in supply of BTG equipment. Delay in readiness of transmission line due to forest clearance. Work held up due to financial problems since Nov, 12.
			U-2	270	May-12	Uncertain			
11	<i>Jharkhand</i>	Matrishri Usha TPP Ph-II / Corporate Power Ltd. EPC-BHEL	U-3	270	Oct-12	Uncertain	3182	3182	Law and order problem and delay in supply of BTG material. Work is held up due to financial problems at site. *Commissioning schedule would be assessed after re-start of work.
			U-4	270	Jan-13	Uncertain			
12	<i>Jharkhand</i>	Tori TPP Ph-I / Essar Power Ltd. BTG-China	U-1	600	Jul-12	Uncertain	5700	5700	Law and order problem. Delay in start of civil work & slow progress of works. Delay in MOEF clearance for Unit-2. Work held up after cancellation of earlier allotted coal blocks.
			U-2	600	Sep-12	Uncertain			
13	<i>Jharkhand</i>	Tori TPP Ph-II / Essar Power Ltd.	U-3	600	Dec-15	Uncertain	2500	2500	

14	Maharashtra	Amravati TPP Ph-II / Ratan India Power Pvt. Ltd. BTG-BHEL	U-1	270	Jul-14	Uncertain	6646	6646	No Work is going on at site due to financial problems. *Commissioning schedule would be assessed after re-start of work.
			U-2	270	Sep-14	Uncertain			
			U-3	270	Nov-14	Uncertain			
			U-4	270	Jan-15	Uncertain			
			U-5	270	Mar-15	Uncertain			
15	Maharashtra	Lanco Vidarbha TPP / LVP Pvt. Ltd. EPC-LANCO	U-1	660	Jul-14	Uncertain	6936	10433	work at site put on hold due to financial problems
			U-2	660	Nov-14	Uncertain			
16	Maharashtra	Nasik TPP Ph-II / Ratan India Nasik Power Pvt. Ltd. BTG-BHEL	U-1	270	Apr-13	Uncertain	6789	6789	No Work is going on at site due to financial problems. May slip to 13th plan. *Commissioning schedule would be assessed after re-start of work.
			U-2	270	Jun-13	Uncertain			
			U-3	270	Aug-13	Uncertain			
			U-4	270	Oct-13	Uncertain			
			U-5	270	Dec-13	Uncertain			
17	Maharashtra	Bijora Ghanmukh TPP / Jinbhuvish Power Generation Pvt. Ltd. / BTG-Chinese	U-1	300	Dec-16	Uncertain	3189	3450	Delay due to change in capacity from 2x250 MW to 2x300 MW
			U-2	300	Mar-17	Uncertain			
18	Maharashtra	Shirpur TPP ,Shirpur Power Pvt. Ltd.-BHEL	U-2	150	Apr-15	Uncertain	2413	2413	Delay in start up Power, No PPA, No Coal linkage, Financial constraints.
19	MP	Gorgi TPP / D.B. Power (MP) Ltd. BTG-BHEL	U-1	660	Jun-13	Uncertain	3941	3941	Order for main plant equipment has been placed. Work is on hold. *Commissioning schedule would be assessed after re-start of work.
21	Odisha	Ind Barath TPP (Odisha) / Ind Barath /BTG-Cethar Vessels	U-2	350	Dec-11	Uncertain	3150	4001	Delay due to heavy rains. Delay in readiness of transmission line for start up power. Commissioning problems such as change of firing guns of boiler and change in bypass valve.
22	Odisha	KVK Nilanchal TPP/ KVK Nilanchal / BTG-Harbin China	U-1	350	Dec-11	Uncertain	4990	6000	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.
			U-2	350	Feb-12	Uncertain			
			U-3	350	Feb-12	Uncertain			

23	Odisha	Lanco Babandh TPP / LBP Ltd./ BTG-Chinese	U-1	660	Apr-13	Uncertain	6930	10430	Delay in land acquisition. work is going slow at site due to financial problem.
			U-2	660	Aug-13	Uncertain			
24	Odisha	Malibrahmani TPP / MPCL/ BTG- BHEL	U-1	525	Dec-12	Uncertain	5093	6330	Delay in land acquisition and delay in supply of TG hall structures. Slow progress due to financial problem.
			U-2	525	Feb-13	Uncertain			
25	TN	Tuticorin TPP (Ind- Barath) / IBPIL / BTG-Chinese	U-1	660	May-12	Uncertain	3595	3595	Late start and slow progress of civil works and delay in supply of boiler structural material at site.
26	TN	Tuticorin TPP St-IV / SEPC/ EPC- MEIL (BTG-BHEL)	U-1	525	Sep-18	Dec-20	3514	3514	Slow progress in BoP areas, Delay in award of interconnection and transmission facility.
27	WB	Hiranmaye Energy Ltd (India Power corporation (Haldia) TPP / Haldia Energy Ltd/ BTG-BHEL.	U-3	150	May-16	Uncertain	2656	3307	MoEF Moratorium for no construction activity in haldia and asansol industrial area in WB
