

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

LOK SABHA

**UNSTARRED QUESTION NO.812
TO BE ANSWERED ON 20.07.2017**

CONSTRUCTIONS OF HYDRO POWER PROJECTS

**812. SHRI RAMESWAR TELI:
SHRI PASHUPATI NATH SINGH:**

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

- (a) the details of hydro electric projects being constructed in various parts of the country, State-wise;**
- (b) whether these has been inordinate delay in completion of many of these projects and if so, the details thereof, State-wise and project-wise;**
- (c) whether any time limit has been fixed by which such projects are expected to be completed;**
- (d) whether non-completion of such projects have caused serious financial losses; and**
- (e) the steps taken/being taken for timely completion of hydro-electric projects across the country?**

A N S W E R

**THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER,
COAL, NEW & RENEWABLE ENERGY AND MINES**

(SHRI PIYUSH GOYAL)

(a) : As on 30.06.2017, 41 Hydro-electric projects (above 25 MW), aggregating to 11792.50 MW are under construction in the country. The State-wise details of such projects are furnished at Annex-I.

(b) to (d) : The above hydro projects are delayed due to various reasons viz. Land acquisition issues, Environment & Forest issues, Rehabilitation & Resettlement (R&R) issues, Natural calamities, Law & Order problems, Local issues, Contractual problems, Geological uncertainties, difficult terrain & poor accessibility, funds constraints, Inter State issues, etc. It is not possible to fix any time limit for completion of these projects for the same reasons. Non completion of the projects in time causes cost overrun due to general price escalation and increase in Interest During Construction (IDC). The state-wise and project-wise details of these projects along with Cost Overrun and reasons for delay are furnished at Annex-II.

.....2.

(e) : The action taken by the Government for early completion of these projects are:

- **Central Electricity Authority (CEA) monitors the progress 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 to identify and resolve issues critical for commissioning of Projects.**
- **Regular reviews are also undertaken in Ministry of Power (MoP) to identify the constraints areas and facilitate faster resolution of inter-ministerial and other outstanding issues.**
- **A Power Project Monitoring Panel (PPMP) set up by the MoP, independently follows up and monitors the progress of the hydro projects.**
- **In case of CPSU's, 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 (QPR) meetings of CPSU's and other meetings held in MoP/ CEA.**
- **The issues related to erection and supply of Electro-Mechanical equipment is expedited in various meetings held in CEA / MoP and other local issues affecting the progress of works are taken up with respective State Governments by the Concerned CPSU / MoP.**

ANNEX-I

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 812
TO BE ANSWERED IN THE LOK SABHA ON 20.07.2017.

Sl. No.	Name of Scheme (Executing Agency)	Sector	I.C. (No. x MW)	Cap. Under Execution (MW)
	Andhra Pradesh			
1	Polavaram (PPA)	State	12x80	960.00
	Sub-total: Andhra Pradesh			960.00
	Arunachal Pradesh			
2	Kameng (NEEPCO)	Central	4x150	600.00
3	Pare (NEEPCO)	Central	2x55	110.00
4	Subansiri Lower (NHPC)	Central	8x250	2000.00
5	Gongri (Dirang Energy)	Private	2x72	144.00
	Sub-total: Arunachal Pradesh			2854.00
	Himachal Pradesh			
6	Parbati St. II (NHPC)	Central	4x200	800.00
7	Uhi-III (BVPCL)	State	3x33.33	100.00
8	Sawra Kuddu (HPPCL)	State	3x37	111.00
9	Sainj (HPPCL)	State	2x50	100.00
10	Shongtong Karcham (HPPCL)	State	3x150	450.00
11	Bajoli Holi (GMR)	Private	3x60	180.00
12	Sorang (HSPCL)	Private	2x50	100.00
13	Tangnu Romai (TRPG)	Private	2x22	44.00
14	Tidong-I (NSL Tidong)	Private	100.00	100.00
15	Chanju-I (IA Energy)	Private	3x12	12.00
	Sub-total: Himachal Pradesh			1997.00
	Jammu & Kashmir			
16	Kishanganga (NHPC)	Central	3x110	330.00
17	Parnai (JKSPDC)	State	3x12.5	37.50
18	Lower Kalnai (JKSPDC)	State	2x24	48.00
19	Ratle (RHEPPL)	Private	4x205 + 1x30	850.00
	Sub-total: Jammu & Kashmir			1265.50
	Kerala			
20	Pallivasal (KSEB)	State	2x30	60.00
21	Thottiyar (KSEB)	State	1x30+1x10	40.00
	Sub-total: Kerala			100.00
	Madhya Pradesh			
22	Maheshwar (SMHPCL)	Private	10x40	400.00
	Sub-total: Madhya Pradesh			400.00
	Maharashtra			
23	Koyna Left Bank (WRD,MAH)	State	2x40	80.00
	Sub-total: Maharashtra			80.00
	Mizoram			
24	Tuirial (NEEPCO)	Central	2x30	60.00
	Sub-total: Mizoram			60.00

	Punjab			
25	Shahpurkandi (PSPCL)	State	3x33+3x33+1x8	206.00
	Sub-total: Punjab			206.00
	Sikkim			
26	Bhasmey (Gati Infrastructure)	Private	3x17	51.00
27	Rangit-IV (JAL Power)	Private	3x40	120.00
28	Rangit-II (Sikkim Hydro)	Private	2x33	66.00
29	Rongnichu (Madhya Bharat)	Private	2x48	96.00
30	Tashiding (Shiga Energy)	Private	2x48.5	97.00
31	Teesta St. VI (LANCO)	Private	4x125	500.00
32	Panan (Himagiri)	Private	4x75	300.00
	Sub-total: Sikkim			1230.00
	Telangana			
33	Pulichintala (TSGENCO)	State	4x30	90.00
	Sub-total: Telangana			90.00
	Uttarakhand			
34	Lata Tapovan (NTPC)	Central	3x57	171.00
35	Tapovan Vishnugad (NTPC)	Central	4x130	520.00
36	Tehri PSS (THDC)	Central	4x250	1000.00
37	Vishnugad Pipalkoti (THDC)	Central	4x111	444.00
38	Vyasi (UJVNL)	State	2x60	120.00
39	Phata Byung (LANCO)	Private	2x38	76.00
40	Singoli Bhatwari (L&T)	Private	3x33	99.00
	Sub-total: Uttarakhand			2430.00
	West Bengal			
41	Rammam-III (NTPC)	Central	3x40	120.00
	Sub-total: West Bengal			120.00
	Total:			11792.50

ANNEX-II

ANNEX REFERRED TO IN REPLY TO PARTS (b) to (d) OF UNSTARRED QUESTION NO. 812 TO BE ANSWERED IN THE LOK SABHA ON 20.07.2017.

DETAILS OF UNDER CONSTRUCTION HYDRO ELECTRIC PROJECTS (ABOVE 25 MW)
HAVING TIME/COST OVERRUN

As on 30.06.2017

Sl. No	Project Name/(I.C.)/ Executing Agency	Sector	Unit No.	Cap. (MW)	Org. Comm. Sched.	Org. Cost (Rs. in Crores)	Ant. Cost (Rs. in Crores)	Cost over run (Rs. in Crores)	Reasons for time and cost over run
1	2	3	4	5	6	9	10	11	12
Andhra Pradesh									
1	Polavaram (12x80 = 960 MW) PPA	State	1	80	2017-18	4956.39 (2016-17 PL) (Power Component)	4956.39 (2016-17 PL) (Power Component)	Nil	<ul style="list-style-type: none"> ➤ Slow progress of works ➤ Funds constraints ➤ E&M works yet to be awarded
2			80	2017-18					
3			80	2017-18					
4			80	2017-18					
5			80	2017-18					
6			80	2017-18					
7			80	2017-18					
8			80	2017-18					
9			80	2017-18					
10			80	2017-18					
11			80	2017-18					
12			80	2017-18					
Arunachal Pradesh									
2	Kameng (4x150 = 600 MW) NEEPCO	Central	1	150	2009-10	2496.90 (03/04)	6179.96	3683.06	<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. 2008 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.
2			150	2009-10					
3			150	2009-10					
4			150	2009-10 (Dec'09)					
3	Pare (2x55 = 110 MW) NEEPCO	Central	1	55	2012-13	573.99 (06/07)	1339.57 (01/16)	765.58	<ul style="list-style-type: none"> ➤ Law & Order problem. ➤ Poor geology. ➤ Poor approach roads. ➤ Flash flood during Jun-Sep -2015. Dam area inundated with
2			55	2012-13 (Aug'12)					

Sl. No	Project Name/(I.C.)/ Executing Agency	Sector	Unit No.	Cap. (MW)	Org. Comm. Sched.	Org. Cost (Rs. in Crores)	Ant. Cost (Rs. in Crores)	Cost over run (Rs. in Crores)	Reasons for time and cost over run
1	2	3	4	5	6	9	10	11	12
									water, Concreting of Dam effected for 04 months.

4	Subansiri Lower (8x250 = 2000 MW) NHPC	Central	1	250	2009-11	6285.33 (12/02)	17435.15 (02/16)	11149.82	<ul style="list-style-type: none"> ➤ 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 studies. ➤ Case in NGT.
			2	250	2009-11				
			3	250	2009-11				
			4	250	2009-11				
			5	250	2009-11				
			6	250	2009-11				
			7	250	2009-11				
			8	250	2009-11				
5	Gongri 2x72= 144 MW Dirang Energy (P)Ltd	Private	1	72	2017-18	1436.27 (05/12)	1535.91 (10/16)	99.64	<ul style="list-style-type: none"> ➤ Works awarded on 22.11.2011. However, consent to establish from State Pollution Control Board was issued on 19-5-14. ➤ Financial constraints with the developer.
			2	72	2017-18				
Himachal Pradesh									
6	Parbati - II (4x200 = 800 MW) NHPC	Central	1	200	2009-10	3919.59 (12/01)	8398.75 (03/15)	4479.16	<ul style="list-style-type: none"> ➤ 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.
			2	200	2009-10				
			3	200	2009-10				
			4	200	2009-10 (Sept'09)				

7	Uhl-III (3x33.33 = 100 MW) BVPCL	State	1 2 3	33.33 33.33 33.33	2006-07 2006-07 2006-07	431.56 (09/02)	940.84 (03/08)	509.28	<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.
8	Sawra Kuddu (3x37 =111MW) HPPCL,	State	1 2 3	37 37 37	2010-11 2010-11 2010-11	558.53 (03/03)	1181.90 (03/12)	623.37	<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.
9	Sainj (2x50 = 100 MW) HPPCL	State	1 2	50 50	2014-15 2014-15	784.56	Under Revision	-	<ul style="list-style-type: none"> ➤ Slow progress of HRT and Barrage works ➤ Local issues ➤ Cash flow problem with Contractor. ➤ Contractual issues. ➤
10	Shongtom Karcham (3x150 = 450 MW) HPPCL 16.08.2012	State	1 2 3	150 150 150	2017-18 2017-18 2017-18	2807.83	3316.35	508.52	<ul style="list-style-type: none"> ➤ Shifting of Army Ammunition Depot. ➤ Local Issues.
11	Bajoli Holi 3x60= 180 MW M/s GMR Bajoli Holi	Private	1 2 3	60 60 60	2017-18 2017-18 2017-18	1696.93	2205.00	508.07	<ul style="list-style-type: none"> ➤ Slow progress of works.
12	Sorang (2x50 = 100 MW), HSPPL	Private	1 2	50 50	2012-13 2012-13	586.00 (2006)	586.00 (Under revision)	-	<ul style="list-style-type: none"> ➤ Poor geology. ➤ Poor weather conditions, difficult & poor accessibility. ➤ Penstock cracks / leakage during filling of Water

									<p>conductor System in Nov '13.</p> <ul style="list-style-type: none"> ➤ Rupture in surface penstock in Nov-15 during trial run. ➤ Funds constraints with developer.
13	Tangnu Romai-I (2x22 = 44 MW) TRPGPL	Private	1 2	22 22	2014-15 2014-15	255.00 (2006)	562.97 (01/17)	307.97	<ul style="list-style-type: none"> ➤ Slow progress of civil works. ➤ Poor geology. ➤ Difficult area. ➤ Weather conditions & accessibility. ➤ Financial constraints with the developer.
14	Tidong-I 2x50 =100 MW NSL Tidong	Private	1 2	50 50	2013-14 2013-14	543.15 (08/05)	1286.27 (01/17)	743.12	<ul style="list-style-type: none"> ➤ Delay in NOC by Projects affected Panchayats. ➤ Suspension of works by Govt.for one year. ➤ Funds constraints with the developer
15	Chanju-I 3x12=36 IA Energy	Private	1 2 3	12 12 12	2014-15 2014-15 2014-15	295.09	295.09	Nil	<ul style="list-style-type: none"> ➤ Slow progress of works ➤ Poor geology
	Jammu & Kashmir								
16	Kishanganga (3x110 = 330 MW) NHPC	Central	1 2 3	110 110 110	2014-15 2014-15 2014-15 (July'14)	2238.67 (11/05)	5783.17 (09/15)	3544.50	<ul style="list-style-type: none"> ➤ Approval of RCE as L-1 price bid was more than cost estimate. RCE approved in Jan.-2009. ➤ Heavy Rainfall in March, 2011. ➤ Cavity in HRT – TBM portion. ➤ Poor geology in Access tunnel. ➤ Dam works affected due to arbitration proceedings at International Court of Arbitration. ➤ Local people demanding Employment in NHPC. ➤ R&R Issues. ➤ Completion of power evacuation arrangement (PGCIL) ➤ Stoppage of works in Power House area since 09.07.2016 due to disturbance in Kashmir valley. Works partially resumed in Jan 2017.

17	Parnai 3x12.5= 37.5 MW JKSPDC	State	1 2 3	12.5 12.5 12.5	2018-19 2018-19 2018-19	640.41	640.41	Nil	<ul style="list-style-type: none"> ➤ Slow progress of works. ➤ Delay in Land acquisition.
18	Lower Kalnai 2x24= 48 MW JKSPDC	State	1 2	24 24	2017-18 2017-18	576.87 (12/12)	576.87 (12/12)	Nil	<ul style="list-style-type: none"> ➤ Inadequate mobilization of man & machinery by Contractor. ➤ Delay in finalization of R&R Plan. ➤ Slow progress of works. ➤ Funds constraints with contractor. Contractor under CDR.
19	Ratle (4x205+1x30) = 850 MW Ratle HEP Pvt .Ltd.	Private	1 2 3 4 5	205 205 205 205 30	2017-18 2017-18 2017-18 2017-18 2017-18	5517.02 (03/12)	6257.00 (09/2013)	739.98	<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.
Kerala									
20	Pallivasal 2x30 = 60 MW KSEB	State	1 2	30 30	2010-11 2010-11	222.00 (1999)	284.69 (2007)	62.69	<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 due to contractual issues.
21	Thottiyar (1x30+1x10)= 40MW KSEB	State	1 2	30 10	2012-13 2012-13	136.79 (2007)	150.02 (2007)	13.23	<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.
Madhya Pradesh									
22	Maheshwar (10x40 = 400 MW) SMHPCL	Private	1 2 3 4 5 6 7 8 9	40 40 40 40 40 40 40 40 40	2001-02 2001-02 2001-02 2001-02 2001-02 2001-02 2001-02 2001-02 2001-02	1569.27 (96-97)	6793.00	5223.73	<ul style="list-style-type: none"> ➤ R&R issues ➤ Cash flow problem with developer

			10	40	2001-02				
Maharashtra									
23	Koyna Left Bank PSS 2x40 = 80 MW WRD, Maha	State	1 2	40	2017-18	245.02 (1999)	1494.94 (2014)	1249.92	<ul style="list-style-type: none"> ➤ Slow progress of works. ➤ Fund constraints due to increase in project cost. RCE under approval.
Mizoram									
24	Tuirial (2x30 = 60 MW) NEEPCO	Central	1 2	30 30	2006-07 2006-07 (July'06) (Jan'14) RCE-I	368.72 (06/97)	1329.43 (12/14)	960.71	<ul style="list-style-type: none"> ➤ Works suspended earlier due to local agitation for about 7 yrs. (June-2004 to Jan-2011). As a result Revised approval (RCE-I) accorded in Jan. 2011. ➤ Poor approach roads. ➤ Slope failure in Power House. ➤ Inadequate mobilization by contractor. ➤ Late mobilization of erection contractor for E&M works.
Punjab									
25	Shahpurkandi 3x33+3x33+1x8 =206 MW, Irrigation Deptt. &PSPCL	State	1 2 3 4 5 6 7	33 33 33 33 33 33 8	2017-18 2017-18 2017-18 2017-18 2017-18 2017-18 2017-18	2285.81 (04/08)	2285.81 (04/08)	Nil	<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.
Sikkim									
26	Bhasmey (2x25.5 =51 MW) Gati Infrastructure	Private	1 2	25.5 25.5	2012-13 2012-13	408.50	690.30	281.80	<ul style="list-style-type: none"> ➤ Forest clearance ➤ Financial constraints with developer
27	Rangit-IV HE Project (3X40 = 120 MW) JPCL	Private	1 2 3	40 40 40	2011-12 2011-12 2011-12	726.17 (09/07)	1692.60 (06/16)	966.43	<ul style="list-style-type: none"> ➤ Slow progress of HRT & Surge Shaft works due to poor geology. ➤ Works hampered due to earthquake in September, 2011. ➤ Financial constraints with developer
28	Rangit-II 2x33= 66 MW Sikkim Hydro Power Ltd.	Private	1 2	33 33	2017-18 2017-18	496.44	496.44	Nil	<ul style="list-style-type: none"> ➤ Slow progress of works. ➤ Financial constraints with the developer.
29	Rongnichu (2x48 =96 MW)	Private	1 2	48 48	2015-16 2015-16	491.32	1187	695.68	<ul style="list-style-type: none"> ➤ Land Acquisition ➤ Poor geology.

	Madhya Bharat Pvt. Ltd.								
30	Tashiding 2x48.5=97 MW Shiga Energy Pvt Ltd.	Private	1 2	48.5 48.5	2015-16 2015-16	465.95	465.95	Nil	<ul style="list-style-type: none"> ➤ Poor geology ➤ Local issues
31	Teesta Stage VI (4x125 = 500 MW) Lanco Energy Pvt. Ltd.	Private	1 2 3 4	125 125 125 125	2012-13 2012-13 2012-13 2012-13	3283.08 (2008)	7542.00 (12/16)	4258.92	<ul style="list-style-type: none"> ➤ Poor geology. ➤ Land acquisition. ➤ Contractual issues ➤ Funds constraints with developer
32	Panan 4x75= 300 MW Himagiri Hydro Energy Pvt. Ltd.	Private	1 2 3 4	75 75 75 75	2018-19 2018-19 2018-19 2018-19	1833.05 (2009)	2400.00 (09/16)	566.95	<ul style="list-style-type: none"> ➤ Clearance from NWLB received in December, 2015. ➤ Clearance from NGT.
Telangana									
33	Pulichintala (4x30 = 120 MW) TGenco	State	1 2 3 4	30 30 30 30	2009-11 2009-11 2009-11 2009-11	380.00 (2006-07)	563.49	183.49	<ul style="list-style-type: none"> ➤ Delay in award of E&M works. ➤ Unprecedented floods in Oct.2009 & Sept.2011. ➤ Contractual issues. ➤ Slow progress of Power House works. ➤ Delay in Commission due to non-availability of water.
Uttarakhand									
34	Lata Tapovan (3x57 = 171 MW) NTPC	Central	1 2 3	57 57 57	2017-18 2017-18 2017-18 (Aug'17)	1527.00 (12/06)	1801.07 (12/13)	274.07	<ul style="list-style-type: none"> ➤ 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..
35	Tapovan Vishnughad (4x130 = 520 MW) NTPC	Central	1 2 3 4	130 130 130 130	2012-13 2012-13 2012-13 2012-13 (Mar'13)	2978.48 (11/06)	3846.30 (01/14)	867.82	<ul style="list-style-type: none"> ➤ 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.
36	Tehri PSS (4x250 = 1000 MW) THDC	Central	1 2 3 4	250 250 250 250	2010-11 2010-11 2010-11 2010-11 (July'10)	1657.60 (Dec-05)	2978.86	1321.26	<ul style="list-style-type: none"> ➤ Approval of RCE as L-1 price bid was more than cost estimate. RCE approved in Nov-2011. ➤ Cash flow problem with contractor.

									<ul style="list-style-type: none"> ➤ Litigation by bidders. ➤ Poor geology. ➤ Local agitation at Asena Quarry. ➤ Agitation at muck disposal area. ➤ Poor preparedness of contractor. ➤ Revision of Lay out of machine hall due to poor geology.
37	Vishnugad Pipalkoti (4x111 = 444 MW) THDC	Central	1 2 3 4	111 111 111 111	2013-14 2013-14 2013-14 2013-14 (Jun'13)	2491.58 (03/08)	2491.58 (03/08)	Nil	<ul style="list-style-type: none"> ➤ 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.
38	Vyasi 2x60=120 MW, UJVNL	State	1 2	60 60	2014-15 2014-15	936.23	936.23	Nil	<ul style="list-style-type: none"> ➤ Delay in award of works. ➤ Local Issues.
39	Phata Byung (2x38 = 76 MW), LANCO	Private	1 2	38 38	2013-14 2013-14	520.00	1225.53	705.53	<ul style="list-style-type: none"> ➤ Flash flood in June,2013. ➤ Poor geology in HRT.
40	Singoli Bhatwari (3x33 = 99 MW) L&T	Private	1 2 3	33 33 33	2012-13 2012-13 2012-13	666.47 (2008)	1577 (2008)	910.53	<ul style="list-style-type: none"> ➤ Poor geology in HRT. ➤ Agitation by local people. ➤ Flash flood in June,2013.
	West Bengal								
41	Rammam-III (3x40= 120 MW)	Central	1 2 3	40 40 40	2019-20 2019-20 2019-20	1381.84	1592.34	210.50	<ul style="list-style-type: none"> ➤ Delay in getting permission for tree felling from Govt. of West Bengal for Access road from Adit-1 to Adit-2.
