

Status of the Hydro R&M Schemes

2079. SHRI DEREK O' BREIN: Will the Minister of POWER be pleased to state:

(a) the total number of hydroelectric power projects targeted for the renovation and modernisation during the Twelfth Five Year Plan and the installed capacity of these hydroelectric power projects once renovated, the details thereof;

(b) the current status of the Hydro R&M Schemes programmed for completion during Twelfth Plan, the details thereof; and

(c) the funds allocated by the Ministry for the Hydro R&M Schemes for the last four years and current year, the details thereof?

THE MINISTER OF STATE OF THE MINISTRY OF POWER (SHRI RAJKUMAR SINGH): (a) and (b) A total of 23 Hydroelectric Power Projects (HPPs), having an installed capacity of about 4182 MW, were targeted for the Renovation and Modernisation (R&M) during the Twelfth Five Year Plan. Out of these, R&M works at 21 HPPs with an aggregate installed capacity of about 4150 MW were completed. The installed capacity of these HPPs, after R&M, is about 4208 MW. The details of the same are given in the Statement (See below).

(c) At present, there is no provision for allocation of funds by the Ministry for the R&M Schemes to hydro power projects.

Statement

Current status of the Hydro R&M schemes programmed for completion during the Twelfth Plan

Sl. No.	Scheme Description	Scheme category	Installed Capacity (in MW)	Capacity after Renovation (in MW)	Current Status
1	2	3	4	5	6
(A) Schemes completed					
1.	Bassi4x15 MW (Original) HPSEB	RMU &LE	60	66	Completed in 2013-14
2.	Lower Jhelum,3x35 MW J&KSPDC	R&M +Res.	105	105	Completed in 2014-15

1	2	3	4	5	6
3.	Sumbal Sindh (Upper Sindh Stage-I) ,2x11.3 MW J&KSPDC	R&M	22.6	22.6	Completed in 2016-17
4.	Pathri,3x6.8 MW UJVN LTD	RM&LE	20.4	20.4	Completed in 2014-15
5.	Khatima,3x13.8 MW UJVN LTD	RM&LE	41.4	41.4	Completed in 2016-17
6.	Matatila,3x10.2 MW UPJVNL	RM&LE	30.6	30.6	Completed in 2015-16
7.	Lower Sileru,4x115MW APGENCO	R&M	460	460	Completed in 2013-14
8.	Srisailam R.B. P.H.7x110MW APGENCO	R&M	770	770	Completed in 2015-16
9.	Nagarjuna SagarPhase I works 1x1 10+7x100.8 MW,TSGENCO	R&M	815.6	815.6	Completed in 2012-13
10.	Supa 2x50 MW KPCL	R&M	100	100	Completed in 2014-15
11.	Sharavathy (Ph B) 10x103.5 MW KPCL	R&M	1035	1035	Completed in 2016-17
12.	Idamalayar,2x37.5 MW KSEB	R&M	75	75	Completed in 2012-13
13.	Sabarigiri, Rebuilding of Unit 4 1x55 MW (Original) KSEB	RMU	55	60	Completed in 2014-15
14.	Poringalkuthu,4x8 MW KSEB	RMU&LE	32	36	Completed in 2015-16
15.	Periyar PH,4x35 MW (Original) TANGEDCO	RMU&LE	140	168	Completed in 2015-16
16.	Rengali Unit-1 HEP 1x50MW OHPC	RM&LE	50	50	Completed in 2012-13
17.	Rengali Unit-2 HEP 1x50 MW OHPC	RM&LE	50	50	Completed in 2013-14
18.	Jaldhaka St.I 3x9 MW WBSEDCL	RM&LE	27	27	Completed in 2016-17
19.	Khandong1x25 MW NEEPCO	RM& LE	25	25	Completed in2014-15
20.	Kopili,2x50 MW (St.I) NEEPCO	R&M	100	100	Completed in 2014-15
21.	Nagjhari, U-1 to 61x135 MW (being uprated to 150 MW) 6x135 MW (original) KPCL	RMU of U-6	135	150	Completed in 2015-16
SUB TOTAL (A)			4149.6	4207.6	

1	2	3	4	5	6
(B) Schemes slipped from 12th Plan					
22.	Chenani 5x4.66 MW J&KSPDC	RMU & LE	23.3	23.3	All the five nos. of machines ready for generation up to optimum level subject to availability of full discharge in forebay.
23.	Ganderbal, Unit 3&4 2x3 MW+ 2x4.5 MW J&KSPDC	RM&LE	9	9	Repairs of units I & II completed to provide generation during execution of RM&U works of units III & IV. • Works Completed: The work awarded to M/s Gogool Hydro Power Pvt. Ltd. on 02.07.2015. Work started and dismantling of unit has been completed. RLA/LE Testing of Penstock has been carried out. CR Panels, Auxiliary Transformer, SF6 Breaker, LAVT Panels & NGT Panel and Surge Arrestors also delivered at site. LTAC & Battery Charger commissioned. Dispatch instructions in respect of OPU and Synchronous Gen-

1	2	3	4	5	6
					<p>erator has been issued. Inspection of various items like Power Transformer, Turbine Parts, Governor system, NGT, CTs PTs and different Panels has been carried out at manufacturers/sub-vendor sites and delivered at site.</p> <p>• Works approved:</p> <p>Vendor approvals for manufacturer of major equipments like Sync. Generator, Power Transformer, Excitation System, and Control & Power Cables, LT Switch Gear, Relay and Control Panels etc. has been accorded.</p>
	SUB TOTAL (B)		32.3	32.3	
	TOTAL (A+B)		4181.9	4239.9	
R&M	-	Renovation & Modernisation,			
RM&U	-	Renovation Modernisation & Uprating,			
RM&LE	-	Renovation, Modernisation & Life Extension,			
RMU&LE	-	Renovation, Modernisation, Uprating & Life Extension,			
RMU+Res.	-	Renovation, Modernisation, Uprating + Restoration,			
RM&LE+Res.	-	Renovation, Modernisation & Life Extension + Restoration,			
R&M+ Res.	-	Renovation & Modernisation + Restoration			
@	-	As per National Perspective Plan XII-42			