

**GOVERNMENT OF INDIA  
MINISTRY OF POWER**

**LOK SABHA  
UNSTARRED QUESTION NO.1961  
TO BE ANSWERED ON 28.07.2016**

**EFFECT OF DROUGHT ON POWER GENERATION**

**†1961. SHRI HARISHCHANDRA CHAVAN:  
SHRI CHANDRAKANT KHAIRE:**

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

- (a) whether power generation is affected due to non-availability of water in drought affected regions of the country;**
- (b) if so, the details thereof;**
- (c) whether the Government has made any alternative arrangements for the adequate supply of water to power plants in those regions; and**
- (d) if so, the details thereof and the results achieved thereon?**

**A N S W E R**

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

**( SHRI PIYUSH GOYAL )**

**(a) & (b):** The power generation during 2015-16 has been affected due to non-availability of water in drought affected regions of the country. In case of generation from Thermal Power Station, Maharashtra State Power Generation Company Limited (MAHAGENCO) has informed that all units of Parli Thermal Power Station in district Beed of Maharashtra are under outage due to non-availability of raw water due to drought. Details of other thermal power generating units which have been temporarily under shut down due to non-availability of water are given in Annex.

**The production of Hydro Electric Power Generation in the country for the year 2015-16 was lower at 121.34 BU as against the target of 128 BU. The region wise details of hydel power generation are as follows:**

**(As on 31.03.2016)**

Region	Installed Capacity (MW)	Generation (BU)		% of Gen. vis-a-vis Target
		Targeted	Actual	
Northern	18302.27	64.50	73.11	13.34
Western	7392.00	16.01	12.85	-19.78
Southern	11592.45	31.82	20.98	-34.06
Eastern	4254.70	11.64	10.24	-12.03
North Eastern	1242.00	4.03	4.21	4.33
Total	42783.42	128.00	121.38	-5.17

**(c) & (d):** Any shortage in hydro generation is generally compensated by increasing generation from other sources. In order to overcome the shortage of water due to drought, feasibility of re-using Sewage Treatment Plant (STP) water is being considered. The new Tariff Policy, 2016 mandates use of treated sewage water of STP of Municipality / local bodies that are located within 50 km radius.

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**ANNEX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 1961 TO  
BE ANSWERED IN THE LOK SABHA ON 28.07.2016.**

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**Outage details of Thermal Generating units which were temporarily under shut down due to Raw water  
problem**

REGION	STATE	SECTOR TYPE	ORGANIZA- TION	STATION	UNIT NO	CAPACITY (MW)	TRIP DATE	SYNC DATE	OUTAGE REASON
ER	BIHAR	CENTRAL	NTPC Ltd.	BARH II	4	660	11-Jul-15	11-Jul-15	RAW WATER NOT AVAILABLE/ LOW INTAKE CANAL LEVEL
ER	BIHAR	CENTRAL	NTPC Ltd.	BARH II	5	660	4-Oct-15	5-Oct-15	RAW WATER PROBLEM
ER	ORISSA	PVT	SEL	STERLITE TPP	2	600	23-6-16		RAW WATER PROBLEM
ER	WEST BENGAL	CENTRAL	NTPC Ltd.	FARAKKA STPS	1	200	1-Apr-16	6-Apr-16	RAW WATER PROBLEM
ER	WEST BENGAL	CENTRAL	NTPC Ltd.	FARAKKA STPS	2	200	1-Apr-16	4-Apr-16	RAW WATER PROBLEM
ER	WEST BENGAL	CENTRAL	NTPC Ltd.	FARAKKA STPS	3	200	1-Apr-16	11-Apr-16	RAW WATER PROBLEM
ER	WEST BENGAL	CENTRAL	NTPC Ltd.	FARAKKA STPS	4	500	15-Feb-16	18-Feb-16	RAW WATER PROBLEM
ER	WEST BENGAL	CENTRAL	NTPC Ltd.	FARAKKA STPS	4	500	1-Apr-16	11-Apr-16	RAW WATER PROBLEM
ER	WEST BENGAL	CENTRAL	NTPC Ltd.	FARAKKA STPS	5	500	1-Apr-16		RAW WATER PROBLEM
SR	KARNATAKA	STATE	KPCL	RAICHUR TPS	1	210	1-Sep-15	2-Sep-15	RAW WATER PROBLEM
SR	KARNATAKA	STATE	KPCL	RAICHUR TPS	1	210	17-Mar-16	21-Mar-16	RAW WATER NOT AVAILABLE/ LOW INTAKE CANAL LEVEL
SR	KARNATAKA	STATE	KPCL	RAICHUR TPS	2	210	15-Mar-16	21-Mar-16	RAW WATER NOT AVAILABLE/ LOW INTAKE CANAL LEVEL
SR	KARNATAKA	STATE	KPCL	RAICHUR TPS	5	210	11-Feb-16	13-Feb-16	RAW WATER PROBLEM
SR	KARNATAKA	STATE	KPCL	RAICHUR TPS	6	210	14-Mar-16	20-Mar-16	RAW WATER NOT AVAILABLE/ LOW INTAKE CANAL LEVEL
SR	KARNATAKA	STATE	KPCL	RAICHUR TPS	7	210	17-Feb-16	19-Feb-16	RAW WATER PROBLEM
SR	KARNATAKA	STATE	KPCL	RAICHUR TPS	7	210	15-Mar-16	21-Mar-16	RAW WATER NOT AVAILABLE/ LOW INTAKE CANAL LEVEL
SR	TAMIL NADU	CENTRAL	NTPL	TUTICORIN (JV) TPP	2	500	5-Oct-15	5-Oct-15	RAW WATER PROBLEM
SR	KARNATAKA	PVT	UPCL	UDUPI TPP	1	600	10-Aug-15	10-Sep-15	RAW WATER PROBLEM
SR	KARNATAKA	PVT	UPCL	UDUPI TPP	2	600	11-Aug-15	27-Aug-15	RAW WATER PROBLEM
SR	KARNATAKA	PVT	UPCL	UDUPI TPP	2	600	19-Apr-16		RAW WATER PROBLEM
SR	ANDHRA PRADESH	PVT	HNPC	VIZAG TPP	1	520	2-Feb-16	2-Feb-16	RAW WATER PROBLEM
WR	MAHARASHTRA	PVT	EEL	EMCO WARORA TPS	1	300	20-May-15	26-May-15	RAW WATER PROBLEM

WR	MAHARASHTRA	PVT	EEL	EMCO WARORA TPS	1	300	15-Apr-16		RAW WATER NOT AVAILABLE/ LOW INTAKE CANAL LEVEL
WR	MAHARASHTRA	PVT	EEL	EMCO WARORA TPS	2	300	19-Apr-16		RAW WATER NOT AVAILABLE/ LOW INTAKE CANAL LEVEL
WR	CHHATTISGARH	PVT	ACB	KASAIPALL I TPP	2	135	21-Aug-15	23-Aug-15	RAW WATER PROBLEM
WR	GUJARAT	PVT	EPGL	SALAYA TPP	2	600	30-Mar-15	7-Apr-15	RAW WATER PROBLEM
WR	GUJARAT	PVT	EPGL	SALAYA TPP	2	600	9-Apr-15	9-May-15	RAW WATER PROBLEM
WR	GUJARAT	PVT	EPGL	SALAYA TPP	2	600	12-Jul-15	24-Jul-15	RAW WATER PROBLEM
WR	GUJARAT	PVT	EPGL	SALAYA TPP	2	600	1-Sep-15	14-Sep-15	RAW WATER PROBLEM
WR	MADHYA PRADESH	PVT	SPL	SASAN UMTPP	3	660	26-Jul-15	27-Jul-15	RAW WATER PROBLEM
WR	GUJARAT	STATE	GSECL	SIKKA REP. TPS	3	250	27-Oct-15	31-Oct-15	RAW WATER NOT AVAILABLE/ LOW INTAKE CANAL LEVEL

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