

**Status of completion of projects in Telangana**

298. SHRI B. LINGAIAH YADAV: Will the Minister of POWER be pleased to state:

(a) the steps being taken to complete the 1080 MW Bhadradri Thermal Vidyut generation centre and Yadadri Vidyut generation centre in Telangana and the funds given to State to complete these projects; and

(b) the steps being taken to complete North-South Power Corridor Project including from Warangal to Maheswaram 765KW line construction to generate 500 MW power supply in Telangana State and also from Raigarh to Pugluru to generate 600 MW power to improve the connectivity to the State to meet the future needs and steps being taken to save the power with the installation of smart meters?

THE MINISTER OF STATE OF THE MINISTRY OF POWER (SHRI RAJ KUMAR SINGH): (a) As per the information received from Telangana State Power Generation Corporation Limited (TSGenco) and Central Electricity Authority (CEA):-

(i) Bhadradri Thermal Power Project in District Khammam, Telangana consists of 4 units of 270 MW each. 1st unit of 270 MW was synchronized on 19.09.2019 and it will start generation from February, 2020. Units 2, 3, and 4 of the projects will be progressively commissioned by December, 2020. Action taken for expediting the project progress are:

1. Augmentation of additional manpower and deployment of T&P (Cranes etc.)
2. Replacing non performing contractors with new agencies.
3. Posting of Project Management officials at site for expediting execution and technical experts for testing and commissioning.

(ii) Yadadri Super Thermal Power Project in District Nalgonda, Telangana consists of 5 units of 800 MW each. Decision on Balance of Plant (BoP) was taken on 30.12.2019 and tendering of civil and structural packages are in advanced stage. Till the finalization of contracts, civil works of long cycle packages like Chimney and Cooling Tower will be commenced in February, 2020 through alternate agencies already mobilized at site. Major power plant equipments have been manufactured and are progressively being supplied to site. Units of the projects will be progressively commissioned from October, 2020 to October, 2021.

- (iii) No Fund has been given by the Central Government in these projects as they are State owned projects.

(b) Central Electricity Authority (CEA) has informed that there is no specific project like North-South power corridor project. However, Warora-Warangal-Maheshwaram (Hyderabad) 765 kV D/C transmission line is between Western region (Warora, Maharashtra) and Southern region (Maheshwaram, Telangana). Warangal - Maheshwaram line is a part of Warora - Warangal - Maheshwaram (Hyderabad) 765 kV D/C transmission line. Warora - Warangal - Maheshwaram line is under construction and was likely to be completed by November 2019. However, work is held up in Warora - Warangal portion of the line due to Right of Way (RoW) issues in the coal mining area of Western Coalfields Limited (WCL).

Raigarh - Pugalur 800 kV HVDC bipole link is between Western Region (Raigarh, Chhattisgarh) and Southern Region (Pugalur, Tamil Nadu). There are severe Right of Way (RoW) issues in Tamil Nadu and forest clearance requirement (Wildlife) in WR portion of the line. Efforts are being made by the developer to resolve the issue with the help of District Administration. Developer has further informed that the Wildlife corridor clearance has been discussed on 18.07.2019 in National Board of Wildlife (NBWL) meeting and the proposal has been cleared by NBWL. The line is under advance stage of construction and will be commissioned by March, 2020.

Presently, the ATC (Available Transfer Capability) of Southern Region for import of power from NEW grid is 11,150 MW and enhancement in ATC of about 9,550 MW is expected with the commissioning of Raigarh-Pugalur HVDC Bipole link and Warora - Warangal 765kV D/C line. However, presently there is no constraint observed in transfer of power to Southern region from rest of grid under long term basis.

Following steps are being taken to save the power with the installation of smart meters:-

- (i) Government of India is assisting the States under various ongoing schemes for installation of smart meters in prepaid mode to make the discoms financially viable by reducing the AT&C losses.
- (ii) Under Integrated Power Development Scheme (IPDS), Government of India have sanctioned an amount of ₹834 crore for installation of about 41.5 lakh Smart Meters in 12 States.

- (iii) Under National Smart Grid Mission (NSGM) an outlay of ₹990 crore has been made for Smart Grid implementation, which has provision for installation of smart meters which can be used in pre-paid mode also.
- (iv) Energy Efficiency Services Limited (EESL) is also implementing the Smart Metering Programme under the BOOT (build, own, operate, transfer) model where the initial investment is being done by EESL and the States/utilities pay back to EESL on monthly rental basis.
- (v) EESL has signed MOUs/Agreements with the States of Uttar Pradesh, Haryana, Bihar, NDMC-Delhi, Telangana and Andhra Pradesh for implementation of Smart Meters.
- (vi) As on date, over 10 lakh smart meters have been installed and operational, in the States of Uttar Pradesh, Haryana, Bihar, Andhra Pradesh and NDMC-Delhi.
- (vii) For Telangana State, project for ₹ 15.67 Crore with GOI grant of ₹ 9.43 crore for 78000 smart meters under IPDS have been sanctioned.
- (viii) Additionally, a smart grid pilot project with smart meters on 11,906 consumers of estimated cost of ₹ 34.93 Crore with GOI support of ₹ 17.47 Crore has also been taken up by TSSPDCL discom in Telangana State.

#### **Transmission loss in the country**

299. SHRI K. J. ALPHONS: Will the Minister of POWER be pleased to state:

- (a) the details of transmission loss in the country, State-wise;
- (b) the details of loss suffered by State Electricity Boards during the past three years; and
- (c) the directions being issued to State Electricity Board to ensure that they become self sustaining?

THE MINISTER OF STATE OF THE MINISTRY OF POWER (SHRI RAJ KUMAR SINGH): (a) Transmission losses in the country in Inter-State Transmission System (ISTS) are in the range of 2.5 - 3%, which are technical in nature. The details of State-wise Aggregate Technical and Commercial (AT&C) losses, which *inter alia* include the losses in Intra-State Transmission/Sub-Transmission and Distribution System, during the last 3 years are given in the Statement-I (*See below*).