GOVERNMENT OF INDIA
MINISTRY OF HEAVY INDUSTRIES AND PUBLIC ENTERPRISES
DEPARTMENT OF HEAVY INDUSTRY

RAJYA SABHA
UNSTARRED QUESTION NO. 2776
TO BE ANSWERED ON 13.08.2015

Increase in capacity of BHEL

2776. SHRI SALIM ANSARI:

Will the Minister of HEAVY INDUSTRIES AND PUBLIC ENTERPRISES be pleased to state:

(a) whether Bharat Heavy Electricals Ltd. (BHEL) have considered to increase its capacity from 6000 MW to 20,000 MW;
(b) if so, year-wise capacity enhancement during the last three years and the present capacity of BHEL;
(c) whether it is a fact that BHEL is setting up an integrated facility in Maharashtra for manufacturing of solar photo-voltaic system, developing of technologies for Advanced Ultra Super Power Plant and formation of a Joint Venture Company (JVC) with NPCIL for execution of 700 MWs nuclear plants; and
(d) if so, the details of these projects undertaken by BHEL with present position of each project?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF HEAVY INDUSTRIES AND PUBLIC ENTERPRISES (SHRI G.M. SIDDESHWARA)

(a) & (b) : Bharat Heavy Electricals Limited (BHEL) has already enhanced its capacity to deliver main power plant equipment from a level of 6,000 MW p.a. to 20,000 MW p.a. during the 11th Five Year Plan period (2007-12). Accordingly, the capacity of BHEL to deliver main power plant equipment during the last three years and present capacity stands at the same level viz. 20,000 MW p.a. since March 2012.

(c) & (d) : The details are given below:-

Sl. No.	Scheme / Project / Initiative	Details of the Scheme / Project / Initiative and present position
1.	Integrated facility in Maharashtra for manufacturing of solar photo-voltaic system	BHEL is contemplating to set up an integrated solar photo-voltaic (PV) manufacturing facility of around 480 MW p.a. in phases in Maharashtra subject to grant of 40% capital subsidy under National Clean Energy Fund (NCEF) and other subsidies. The manufacturing facility is planned for phased implementation in around 36 months from the availability of necessary approvals and clearances, including from the Cabinet. In this regard, the proposal for 40% capital subsidy under NCEF is under consideration of the Govt. of India.

Sl. No.	Scheme / Project / Initiative	Details of the Scheme / Project / Initiative and present position
2.	Developing of technologies for Advanced Ultra Super-critical Power Plant	BHEL in consortium with Indira Gandhi Centre for Atomic Research (IGCAR) and NTPC Ltd. has taken up 'Development of Advanced Ultra Super-Critical (Adv-USC) Technology for Thermal Power Plants' as an R&D Project. Towards this, the objective is to undertake R&D and other aspects of Adv-USC Technology for Thermal Power Plants in order to improve power plant efficiency (to 45 – 46 %), reduce carbon-dioxide emissions and reduce coal consumption, as well as establishing a demonstration power plant of 800 MW capacity based on the developed technology. The R&D work in this regard has commenced for certain pre-project R&D activities with funding provided by the Office of Principal Scientific Advisor (PSA), Government of India. Further, the afore-said consortium has sought partial funding support as Grants-in-Aid from the Government of India for the R&D phase of the project, and the same is under process.
3.	Formation of a Joint Venture Company (JVC) with NPCIL for execution of 700 MWs nuclear plants	BHEL is currently in discussion with Nuclear Power Corporation of India Limited (NPCIL) and M/s Alstom for formation of a tripartite Joint Venture Company (JVC) for taking up Engineering, Procurement and Construction (EPC) activities of conventional island of 700 MWePressurised Heavy Water Reactor (PHWR) based nuclear power plant. The terms and conditions of the various agreements are under finalisation between the parties and the JVC would be formed after necessary approvals.

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