

GOVERNMENT OF INDIA
MINISTRY OF HEAVY INDUSTRIES
RAJYA SABHA
UNSTARRED QUESTION NO. 2663
ANSWERED ON 11.08.2023

CONTRIBUTION OF HEC IN LAUNCH OF CHANDRAYAAN-3

2663. SHRI PARIMAL NATHWANI:

Will the Minister of **Heavy Industries** be pleased to state:

- (a) whether it is a fact that Dhurva, Ranchi unit of Heavy Engineering Corporation (HEC) was assigned to fabricate launch-pad and other components for Chandrayaan-3;
- (b) the details of other units of HEC and/or public sector units under the Ministry, if any, which contributed in making Chandrayaan-3 launch successful;
- (c) the status report of the financial and operational health of the HEC; and
- (d) whether the media reports that engineers/technicians engaged in fabricating the Chandrayaan-3 launch-pad have not been paid salary for several months are true, if so, the details thereof?

ANSWER
THE MINISTER OF STATE FOR HEAVY INDUSTRIES
(SH. KRISHAN PAL GURJAR)

(a): HEC is having all units located at Dhurva, Ranchi. HEC was not assigned manufacturing of any components for Chamdrayaan-3. However, HEC had supplied infrastructure items namely Mobile Launching Pedestal (MLP) and Hammer Head Tower Crane(10T), 400/60 T EOT crane, Folding cum Vertical Repositionable Platform (FCVRP) and Horizontal sliding Doors (HSD) to ISRO from September 2003 to January, 2010.

(b): The details regarding contribution of other PSUs under this Ministry are as follows:

(i) BHEL:

For Chandrayaan–3 mission, BHEL has manufactured and supplied:

- Li-ion Batteries for Lander & Propulsion Module
- Ti-Alloy based Propellant Tank parts
- Friction welded Bi-metallic adaptors for Cryogenic Stage of Launch Vehicle Mark-III (LVM-3 M4) flight.

(ii) HMT Machine Tools Limited:

HMT-3-Axis CNC Vertical Facing Mill machine (VFM-BH112) manufactured at Hyderabad Unit of HMT Machine Tools Limited was also utilized during the machining process of the Solid Rocket Motors of Chandrayaan-3 mission rocket.

(c): The financial and operational performance parameters of HEC for the last five years are as under:

Parameter	2018-19	2019-20	2020-21	2021-22	2022-23 (Unaudited)
Turnover (Rupees in cr)	356.21	132.68	202.76	184.69	87.52
Net Profit/Loss (Rupees in cr)	-93.67	-405.37	-175.78	-256.07	-283.58
Capacity Utilization (%)	16.00	12.22	12.52	3.75	1.39

(d): HEC has not manufactured any components of the Chandrayaan-3. Being registered under the Companies Act, HEC is a separate legal entity and need to generate its own resources to pay salary of its employee. Due to its continuous losses and huge liabilities, HEC is facing acute financial crisis and salaries of workmen and Officers are unpaid for 14 months and 18 months (approx.) respectively.
