Output-Outcome Framework for Schemes 2017-18 Demand No.44: Department of Heavy Industry

(Rupees in crore)

				(Rupees in
0.	Name of the Scheme/Sub- Scheme	Financial Outlay 2017-18	Output/ Deliverables against the Outlay 2017-18	Projected Medium Term Outcome
	Central Sector Sch Enhancement of competitiveness in the Indian Capital Goods Sector	150.00	Chakan will be set up Training Centre for students of ITI and diploma holders in the machine tool operations etc. at HMT, with target to train 480 students per	 Better training facilities for machine tools, metallurgy and allied areas would lead to enhanced skilled workers in both public and private sector. Cluster approach, skilled workforce and better R&D facilities would increase production and productivity of the sector. Machine Tool Park would lead to increase of domestic turnover of machine tools.
100	Faster Adoption and Manufacturing of Electric (& Hybrid) Vehicles in India	175.00	 Establishment of 200 charging stations. Technology Development support of Rs. 25 crores for manufacture of full range of cleaner electric Vehicles and components; 1.5 lakh vehicles Academic partner for setting up of Centre Excellence for Battery technology would be identified. 200 Electric busses would be included in urban public transport; 1000 Government Vehicles would 	Faster adoption and development of manufacturing/market ecosystem of hybrid/electric vehicle with about 2 to 3 million hybrid/electric vehicles users would lead to adoption of environment friendly technology and also reduce dependence of the country on fossil fuels thus improving the Balance of Payments.
3.	National Automotive Testing and R&D Infrastructure Project (NATRIP)	485.88	be converted as Electric Vehicles. Completion of incomplete Labs on Power Train, Passive Safety, Noise, Vibration, and Harshness (NVH), Electromagnetic compatibility (EMC), Fatigue and Certification Lab) at Global Automotive Research Centre (GARC) Chennai, International Centre for Automotive Technology (ICAT) Manesar, Automotive Research Association of India (ARAI) Pune and National Automotive Test Tracks (NATRAX) Indore. Completion of Test Tracks at GARC Chennai, ICAT Manesar and partial completion of Test Tracks at NATRAX- Indore.	met with enhanced suppor for developmental testing for the automotive industry OEMs and components for their product developments needs.
S. No.	Name of th Scheme/Sub- Scheme	e Financial Outlay 2017-18	Output/ Deliverables against the Outlay 2017-18	Outcome
4.	R&D project for	or 120.00	Creation of testing procedure and	Establishment of reco.

Development of Advanced Ultra Supercitical (AUSC) Technology for thermal power plants		 schematic of Rotor Test Rig etc. Preliminary designing of Steam turbine rotor and casting, Blade profile for high pressure turbine. Preliminary design of boiler feed pump, feed water heater and valves and HP bypass valves. 	rig, test plans and procedures Design of major equipment- Boiler, Steam turbine, generator, valves, piping Overall layout of Plant Complete deign of an 800 MW AUSC thermal power plant.
Total	930.88		