



Government of India

**MINISTRY OF HEAVY INDUSTRIES & PUBLIC
ENTERPRISES**

OUTCOME BUDGET 2014-15

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MINISTRY OF HEAVY INDUSTRIES & PUBLIC ENTERPRISES

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CHAPTER- I

INTRODUCTION

1.1. DEPARTMENT OF HEAVY INDUSTRY

1.1.1 The Ministry of Heavy Industries and Public Enterprises, comprising the Department of Heavy Industry (DHI) and the Department of Public Enterprises (DPE), was created as per the Presidential Notification dated the 15th October 1999. DHI administers 32 operating Central Public Sector Enterprises (CPSEs), including 12 subsidiary companies and one Joint Venture (JV) company i.e. NTPC-BHEL Power Projects Pvt. Ltd. (NBBPL). The Department also administers following Autonomous bodies:-

- (a) NATRIP Implementation Society (NATIS), set up in July 2005, for guiding the implementation of the National Automotive Testing and R&D Infrastructure Project (NATRIP),
- (b) Fluid Control Research Institute (FCRI), Palakkad, Kerala which caters to the needs of the flow industry for calibration, and
- (c) Automotive Research Association of India (ARAI), Pune, Maharashtra, which caters to the safety & pollution concerns of Vehicles, Testing & Homologation facilities.
- (d) National Automotive Board with domain expertise in all areas relating to the automotive sector.

DHI has also been allocated the following subjects/Industrial Sectors.

- (a) Heavy engineering equipment and Machine Tools Industry.
- (b) Heavy electrical engineering industries.
- (c) Automotive industries, including tractors and earth moving equipment.

The 32 CPSEs can be categorized into 3 major groups namely, Engineering Units, Non- Engineering Units and Consultancy/ Contracting Units. The list of the CPSEs is given in Annexure I to this chapter.

1.1.2 ORGANISATION DHI is headed by a Secretary to the Government of India. He is assisted by a team of officers and staff which include one Additional Secretary & Financial Advisor, one Additional Secretary, two Joint Secretaries, one Chief Controller of Accounts, one Economic Adviser, Industrial Advisers, Directors etc.

1.1.3 OBJECTIVES

The main objectives of DHI are:-

- (a) Optimum utilization of installed capacity of CPSEs under the Department;
- (b) Management Development to ensure professional management and operations in the CPSEs ;
- (c) Promotion of profitability, efficiency and productivity through restructuring , modernization, technology up-gradation and optimal deployment of human and material resources in the CPSEs;
- (d) Closer co-ordination and inter-action between the manufacturing and the user sectors;
- (e) Development and growth of Sectors looked after by the Department; and
- (f) Implementation of a national project in Auto sector for creating state-of-the-art facilities for testing etc.

ANNEXURE-I

Sl. No.	Name of CPSEs
	<u>(i) ENGINEERING UNITS</u>
1.	Andrew Yule & Co. Ltd. (AYCL)
2.	Bharat Heavy Electricals Ltd. (BHEL)
3.	Electrical Machines Ltd. (Subsidiary of BHEL)
4.	Bharat Pumps and Compressors Ltd. (BPCL)
5.	Heavy Engineering Corporation Ltd. (HEC)
6.	HMT Ltd. (Holding Company with Tractor Division)
7.	HMT (Bearings) Limited (subsidiary of HMT)
8.	HMT Watches (subsidiary of HMT)
9.	HMT Chinar Watches (subsidiary of HMT)
10.	HMT Machine Tools (subsidiary of HMT)
11.	Hindustan Cables Ltd. (HCL)
12.	Instrumentation Ltd., Kota (ILK)
13.	Rajasthan Electronics & Instruments Ltd. (subsidiary of ILK)
14.	Richardson & Cruddas (1972) Ltd. (R&C)
15.	Scooters India Ltd.(SIL)
16.	Triveni Structurals Ltd. (TSL)
17.	Tungabhadra Steel Products Ltd. (TSPL)

Sl.No	Name of the CPSEs
	(ii) NON-ENGINEERING UNITS
18.	Nagaland Pulp & Paper Co. Ltd. (NPPC) (Subsidiary of HPC)
19.	Cement Corporation of India Ltd. (CCI)
20.	Hindustan Paper Corporation Ltd. (HPC)
21.	Hindustan Newsprint limited (subsidiary of HPC)
22.	Hindustan Salts Ltd. (HSL)
23.	Sambhar Salts Ltd. (SSL) (subsidiary of HSL)
24.	Hindustan Photo Films Manufacturing Co. Ltd. (HPF)
25.	Nepa Limited (NEPA)
26.	Tyre Corporation of India Ltd. (TCIL)
	(iii) CONSULTANCY/ SERVICE UNITS
27.	Bharat Bhari Udyoyg Nigam Limited (BBUNL)
28.	Braithwaite Burn & Jessop (BBJ) Construction Co. Ltd. (subsidiary of BBUNL)
29.	Bridge & Roof Company (India) Ltd.
30.	Engineering Projects (India) Ltd. (EPI)
31.	HMT (International) Limited (subsidiary of HMT)
32.	Hooghly Printing Company Limited (subsidiary of AYCL)

1.2 DEPARTMENT OF PUBLIC ENTERPRISES

- 1.2.1** In their 52nd Report, the Estimates Committee of 3rd Lok Sabha (1962-67) stressed the need for setting up a centralized coordinating unit, which could also make continuous appraisal of the performance of public enterprises. This led to the setting up of the Bureau of Public Enterprises (BPE) in 1965. Consequent to the re-organization of the Ministries/Department of the Union Government in September, 1985, the BPE was made part of the Ministry of Industry. In May 1990, the BPE was made a full-fledged Department and is now known as the Department of Public Enterprises (DPE). Presently, it is part of the Ministry of Heavy Industries & Public Enterprises.
- 1.2.2** The Department of Public Enterprises plays an important role in formulating policies relating to CPSEs and in framing different guidelines on matters relating to CPSEs. In fulfilling its role, the Department coordinates with other Ministries/Departments, CPSEs and concerned organizations. Some of the important tasks of the Department are listed below:-
- Co-ordination of matters of general policy of non-financial nature relating to public sector enterprises.
 - Issue of Guidelines to public sector enterprises.
 - Formulation of policies, pertaining to public sector enterprises in areas like board structures, personnel management, performance improvement, financial management, wage settlement, vigilance management etc.
 - Investiture and review of Maharatna/Navratna/Miniratna status to CPSEs.
 - Policy matters relating to composition of Board of Directors of CPSEs, categorization of top posts, scheduling of CPSEs.
 - Notification of pay scales of Board level executives as well as below Board level executives and unionized workers and the DA admissible thereon at periodic intervals.
 - Policy relating to deputation of Government officers to public sector enterprises.
 - Publication of the annual survey of CPSEs known as Public Enterprises Survey.
 - Memorandum of Understanding (MoU) between the public sector enterprises and the administrative Ministries/Departments.
 - Policy relating to Voluntary Retirement Scheme in CPSEs.
 - Matters relating to Counselling, Retraining and Redeployment Scheme (CRR) for rationalized employees of CPSEs.
 - Matters relating to Board for Reconstruction of Public Sector Enterprises (BRPSE).
 - Matters relating to reservation of posts in the public sector enterprises for certain classes of citizens.
 - Settlement of disputes through Permanent Machinery of Arbitration (PMA) among Public Sector Enterprises and between Public Sector Enterprises and government departments except disputes relating to tax matters.
 - Matters relating to International Centre for Promotion of Enterprises (ICPE).
 - Matters relating to Standing Conference of Public Enterprises (SCOPE).
 - Matters relating to delegation of powers to Board of Directors of CPSEs.

1.2.3 Department of Public Enterprises is headed by a Secretary who is assisted by an establishment with an overall sanctioned strength of 126 officers/personnel.

1.2.4 The Department of Public Enterprises is implementing three Plan Schemes viz. (i) Scheme of Counselling, Retraining and Redeployment (CRR) for the Separated Employees of CPSEs; (ii) Scheme of Research, Development and Consultancies on Generic Issues of CPSE; and (iii) Scheme of Skill Development Training Programmes (SDP) for Executives of SLPEs. Besides, on yearly basis, plan fund is allocated for implementation of Information Technology for strengthening of IT infrastructure in the Department.

(i) Counseling, Retraining & Redeployment (CRR) Scheme for Separated Employees of CPSEs.

(a) Restructuring of enterprises is a global phenomenon, particularly in the context of liberalized economy. Attempts to restructure Central Public Enterprises at the macro and micro levels have at times necessitated rationalization of manpower. In some cases it has affected the existing manpower due to shift in technology preference and changed manpower requirements. The policy of the Government is to implement reforms with a humane face and provide adequate safety net for the workers adversely affected by efforts at right sizing the organizations.

(b) Realizing the need to have a safety net for the separated employees, Government had established the National Renewal Fund (NRF) in February, 1992 broadly to cover the expenses of VRS and to provide retraining to the workers in the organized sector. The retraining activity was administered by the Department of Industrial Policy & Promotion. However, due to various reasons NRF was abolished on 31st March 2001. Since 2001-02, the Scheme of Counselling, Retraining & Redeployment (CRR) of separated employees of CPSEs is being implemented by the Department of Public Enterprises.

(c) The objective and scope of the CRR scheme is to provide opportunities of counselling, retraining and redeployment to the separated employees who are rendered surplus as a result of modernization, technology upgradation and manpower restructuring in the PSEs. The aim of retraining of the employees is to reorient them through short duration training programmes to enable them to adjust to the new environment and adopt new avocations after their separation from the CPSEs due to VRS/VSS or retrenchment due to closure / restructuring of the enterprise.

(d) In order to improve the coverage of the Scheme and make it more effective, CRR Scheme was modified in the year 2007. Some of the major modifications include (i) Training of one dependent of each VRS optee if the VRS optee himself/herself is not interested (ii) Extended duration of training from 20/30/40 days to 30/45/60 days with revised expenditure norms (iii) Dedicated amount earmarked in the expenditure norm for follow-up of trained VRS optees.

(ii) Scheme of Research, Development and Consultancies on Generic issues of Central Public Sector Enterprises.

Scheme on Research, Development and Consultancies (RDC) on Generic Issues of Central Public Sector Enterprises (CPSEs) was introduced in the year 2007-08 and is being implemented since 2008-09. The activities covered under this Scheme include organizing conferences, seminars and workshops on generic issues of CPSEs and also undertaking thematic studies and consultancies.

(iii) Scheme for Skill Development / Training Programmes of Executives / Employees of State Level Public Enterprises (SLPEs)

Keeping in view its multi-dimensional mandate and the need to improve the performance of SLPEs and based on the recommendation of the Standing Committee of Secretaries of Department/Bureau of Public Enterprises in States/UTs, the new Plan Scheme Skill Development Training Programmes (SDP) for Executives of SLPEs has been started in 2012-13. The objective of the scheme is to impart training to the personnel of SLPEs for improving their knowledge/skills and thereby bolstering their efficiency, profitability and overall performance. Under the Scheme, the fund is given as grant-in-aid to Institutes/Specialised Bodies/CPSEs/SLPEs for organizing / meeting their cost of training (including boarding & lodging of trainees).

(iv) Scheme of Information Technology

As per the policy being followed by the Government for modernization of Government Ministry/Departments for providing better services, management of government records systematically and processing of government business properly, Information technology (IT) Plan Scheme was created in the Department for systematic allocation of expenditures covered under this head. Main areas of expenditure covered under this head are strengthening of IT infrastructure i.e. purchase of computer hardware, software and peripherals, implementation of e-governance, e-office etc.

CHAPTER-II

OVERALL PERFORMANCE OF PUBLIC SECTOR ENTERPRISES (CPSEs) UNDER THE DEPARTMENT OF HEAVY INDUSTRY

The Department of Heavy Industry is concerned with the development of the Engineering Industry viz. Heavy Engineering & Machine Tools, Heavy Electrical Engineering Industry and Automotive Industry besides 32 operating along with Central Public Sector Enterprises (CPSEs), four Autonomous Bodies in Auto and Instrumentation Sectors viz. Automotive Research Association of India (ARAI), Fluid Control Research Institute (FCRI), National Automotive Testing and Research & Development Infrastructure Project (NATRiP) Implementation Society (NATIS) which look after the National Automotive Testing and Research & Development Infrastructure Project, a Central Government funded project and National Automotive Board. The Enterprises under the Department produce wide range of products ranging from machine tools, industrial machinery, boilers, gas/steam/hydro turbines, turbo generators, electrical equipment, and railway traction equipment, pressure vessels, AC locomotives, prime movers, agricultural tractors and consumer products such as watches, cement, paper, tyres and salts etc. The industries provide goods and services for almost all sectors of the economy including power, rail and road transport. The Ministry also looks after the Machine Building Industry and caters to the requirements of equipments for basic industries such as steel, non-ferrous metals, fertilizers, refineries, petrochemicals, shipping, paper, cement, sugar etc. The Department supports the development of a wide range of intermediate engineering products like castings, forgings, diesel engines, industrial gears and gear boxes.

2. The performance of the CPSEs of the Department is reviewed periodically at different levels against MoU targets, in order to take timely remedial measures to overcome the constraints. Various short-term and long-term measures are identified and action is taken to improve the performance of CPSEs through restructuring including manpower rationalization wherever considered necessary, filling up of top level vacancies, close monitoring of major projects etc. As per the overall Public Sector policy of the Government, the profit making CPSEs are being strengthened by providing greater autonomy and the loss making CPSEs are being considered for revival/closure. Accordingly, a fresh look to identify companies under the Department which can be restructured and revived has been undertaken in consultations with BRPSE and other Ministries. Out of 28 CPSEs referred to BRPSE of DHI, revival/restructuring of 19 CPSEs have been approved by the Government.

Performance for the year 2013-14 and Outlook for 2014-15

In 2013-14, Central Public Sector Enterprises under DHI have achieved (target) a production of ₹ 46381.78 crore (Provisional). The aggregate Profit Before Tax (PBT) in 2013-14 is ₹ 5423.96 crore. Details of production and profit/loss are given in Table I and II respectively.

Table-I

PRODUCTION PERFORMANCE OF CPSEs UNDER DHI

(₹ in crore)

S.No.	Name of CPSE	2010-11 (Actual)	2011-12 (Actual)	2012-13 (Actual)	2013-14 (Provisional)	2014-15 (Target)
1	2	3	4	5	6	7
1	AYCL	232.12	261.30	289.03	324.00	385.00
2	Hooghly Printing	11.26	15.75	9.50	15.60	15.80
3	BHEL	43337.00	49510.00	50156.00	40366.00	45600.00
4	BBUNL	11.46	14.74	16.15	10.86	13.00
5	BHEL-EML		21.13	26.53	37.02	49.07
6	BBJ	146.51	199.15	302.11	268.00	290.00
7	BPCL	209.09	158.30	152.74	150.26	210.00
8	R&C	86.20	73.31	71.19	75.00	80.00
9	TSL	1.92	1.57	0.93	1.86	1.86
10	TSPL	2.88	3.03	0.55	0.61	0.75
11	B&R	1328.97	1258.67	1315.55	1401.40	1475.00
12	HCL	0.00	0.00	0.00	0.00	0.00
13	HEC	700.55	687.74	676.77	439.97	852.20
14	HMT(Holding Co.)	187.24	182.98	63.05	74.11	249.25
15	HMT(MT)	177.43	218.17	218.05	155.56	206.75
16	HMT(Watches)	8.82	10.24	14.03	4.70	12.00
17	HMT(Chinar Watches)	0.00	0.00	0.00	0.00	0.00
18	HMT(Bearings)	11.24	14.64	11.73	14.36	15.15
19	HMT(International)	27.89	32.40	34.09	25.08	45.00
20	ILK	249.83	192.45	171.80	159.71	325.00
21	REIL	133.54	234.11	241.84	216.16	200.00
22	SIL	184.76	228.73	214.46	215.28	265.21
23	CCI	332.88	370.93	316.56	364.44	414.60
24	HPC	579.17	705.38	566.20	639.93	914.00

(₹ in crore)

Sl.No.	Name of CPSE	2010-11 (Actual)	2011-12 (Actual)	2012-13 (Actual)	2013-14 (Provisional)	2014-15 (Target)
1	2	3	4	5	6	7
25	HNL	310.36	336.32	348.04	367.52	436.00
26	HPF	39.92	7.61	3.74	1.25	0.00
27	HSL	13.22	8.98	8.61	6.60	15.54
28	SSL	9.88	19.38	16.05	18.68	32.62
29	NEPA	103.58	145.60	131.54	124.94	125.00
30	TCIL	181.87	24.29			
31	EPI	1103.69	901.27	840.61	902.88	1250.00
32	NPPC	0.00	0.00	0.00	0.00	0.00
	Total:	49723.28	55838.17	56217.45	46381.78	53478.80

Note:

- (i) 13 CPSEs namely, BPME, WIL, BBVL, RBL, TAFCO, CCIL, BLC, NBCIL, MAMC, NIDC, BOGL, RIC & BYNL have been closed.
- (ii) Braithwaite and BSCL have been transferred to Ministry of Railways/Ministry of Steel during August/September, 2010.
- (iii) BHPV has been merged with BHEL.
- (iv) Data of TCIL is not available as the Company is under winding up.

Table II

PROFIT (+) LOSS (-) (BEFORE TAX) OF CPSEs UNDER DHI.

(₹ in crore)

Sl.No.	Name of CPSE	2010-11 (Actual)	2011-12 (Actual)	2012-13 (Actual)	2013-14 (Provisional)	2014-15 (Target)
1	2	3	4	5	6	7
(A) PROFIT MAKING CPSEs						
1	AYCL	41.32	11.85	11.35	21.36	17.00
2	Hooghly Printing	0.31	0.53	0.11	0.15	0.16
3	BHEL	9006.00	10302.00	9432.00	4678.00	4825.00
4	B&R	87.09	68.29	56.03	26.40	40.00
5	BBUNL	0.02	0.11	0.46	4.29	0.03
6	BBJ	4.49	5.96	58.37	66.00	22.64
7	CCI	27.13	19.43	8.11	11.54	9.71
8	EPI	22.58	36.37	31.65	32.04	41.31
9	HMT(International)	0.31	1.74	6.85	0.49	4.41
10	HSL	-0.49	0.22	0.74	0.17	0.49
11	SSL	-4.13	1.06	0.30	0.03	0.94
12	SIL	-17.11	-19.94	-6.00	13.60	2.82
13	HMT(Hldg. Co.)	-79.24	-82.20	-145.38	235.27	-49.35
14	REIL	6.25	27.45	39.29	20.50	6.86
15	HEC	38.14	8.58	20.38	314.12	24.62
Total Profit making CPSEs		9132.67	10381.45	9514.26	5423.96	4946.64
(B) LOSS MAKING CPSEs						
16	TSPL	-26.12	-28.75	-31.15	-31.91	-30.57
17	BPCL	14.26	1.57	-26.76	-12.47	4.50
18	IL	-36.56	-67.69	-54.09	-50.22	-3.48
19	R&C	-21.55	-16.26	-29.49	-15.38	-20.33
20	TSL	-53.18	-52.34	-75.87	-56.96	-58.00
21	HCL	-607.39	-648.27	-885.05	-824.14	-850.25
22	HPC	-63.34	-95.20	-151.87	-103.51	-35.44

(₹ in crore)

Sl.No.	Name of CPSE	2010-11 (Actual)	2011-12 (Actual)	2012-13 (Actual)	2013-14 (Provisional)	2014-15 (Target)
1	2	3	4	5	6	7
23	HMT(Machine Tools)	-93.06	-46.14	-43.65	-84.79	-55.36
24	HMT(Bearings)	-21.32	-10.12	-2.07	-15.98	-14.69
25	HMT(Watches))	-253.74	-224.04	-242.47	-249.54	-262.10
26	HMT(Chinar Watches)	-45.40	-44.04	-51.16	-50.65	-36.46
27	HPF	-1156.65	-1352.39	-1565.32	-1829.83	-2207.81
28	HNL	5.04	6.89	-18.09	-14.31	5.05
29	NEPA	-70.40	-72.90	-84.08	-125.74	-36.02
30	TCIL	-13.23	-11.90			
31	BHEL-EML		-0.37	-55.00	-1.06	-0.63
32	NPPC	-13.43	-11.90	-14.58	-13.13	-22.22
Sub total (B) Loss making Companies		-2456.07	-2673.85	-3330.70	-3479.62	-3623.81
GRAND Total (A&B)		6676.60	7707.60	6183.56	1944.34	1322.83

Note:

- (i) 13 CPSEs namely, BPME, WIL, BBVL, RBL, TAFCO, CCIL, BLC, NBCIL, MAMC, NIDC, BOGL, RIC & BYNL have been closed.
- (ii) Braithwaite and BSCL have been transferred to Ministry of Railways/Ministry of Steel during August/September, 2010.
- (iii) BHPV has been merged with BHEL.
- (iv) Data of TCIL is not available as the Company is under winding up.

DEPARTMENT OF HEAVY INDUSTRY
Approved Annual Plan 2014-15 for DHI by the Planning Commission

(₹ in crore)

S.No.	Central Public Sector Enterprises		Approved Annual Plan(2014-15)			
			GBS	I.R.	EBR	Total Plan
1	2		3	4	5	6
A	New Schemes in Automotive Sector (a) Testing Infrastructure and (b) R&D Projects for Electric Vehicles		0.01	0.00	0.00	0.01
B	R&D Project Development of Advanced Ultra Super-Critical (Adv. USC) Technology for Thermal Power Plants		100.00	0.00	0.00	100.00
C.	Promotion of Automotive Sector including National Automotive Testing and Research & Development Infrastructure Project (NATRiP) – an autonomous Body.		426.93	5.49	0.00	432.42
D	Restructuring of CPSEs and Project Based Support to CPSEs/Autonomous Bodies.					
1	Restructuring of CPSEs under DHI		0.00	0.00	0.00	0.00
	(i)	HMT(Hldg)	0.00	0.00	0.00	0.00
	(ii)	HMT(Bearings)	0.00	0.00	0.00	0.00
	(iii)	HMT (Watches)	0.00	0.00	0.00	0.00
	(iv)	SIL	31.06	0.00	0.00	31.06
	(v)	NEPA	50.00	44.00	0.00	94.00
	(vi)	HPF	0.00	0.00	0.00	0.00
	(vii)	NPPC (in NER)	25.00	47.00	0.00	72.00
		Total D(1)	106.06	91.00	0.00	197.06
2	Project Based Support to CPSEs/Autonomous Bodies.					
	(i)	AYCL	0.00	11.69	0.00	11.69
	(ii)	BHEL	0.00	980.00	0.00	980.00
	(iii)	BBUNL	0.00	3.67	0.00	3.67
	(iv)	BBJ	0.00	24.74	0.00	24.74
	(v)	BPCL	0.00	0.00	0.00	0.00
	(vi)	B&R	0.00	20.00	0.00	20.00

(₹ In crore)

S.No.		Central Public Sector Enterprises	Approved Annual Plan(2014-15)			
			3	4	5	6
1		2				
	(vii)	R&C	0.00	0.00	0.00	0.00
	(viii)	TSPL	0.00	0.00	0.00	0.00
	(ix)	HEC	0.00	7.00	0.00	7.00
	(x)	ILK	0.00	0.00	0.00	0.00
	(xi)	REIL	0.00	5.00	0.00	5.00
	(xii)	SIL	0.00	0.00	0.00	0.00
	(xiii)	HPC (Main)	0.00	0.00	0.00	0.00
	(xiv)	HNL	0.00	88.82	0.00	88.82
	(xv)	CCI	0.00	74.50	0.00	74.50
	(xvi)	HSL/SSL	10.00	0.00	0.00	10.00
	(xvii)	EPI	0.00	18.00	0.00	18.00
	(xviii)	FCRI	2.00	0.94	0.00	2.94
		Total D(2)	12.00	1234.36	0.00	1246.36
3		Information Technology	1.50	0.00	0.00	1.50
4		Advt. & Publicity	0.50	0.00	0.00	0.50
5		Grant in aid to development council and CPSEs for promotional activities.	0.00	0.00	0.00	0.00
6		Other Admin Exp.	0.10	0.00	0.00	0.10
7		Prof.&Spl Service	2.00	0.00	0.00	2.00
8		Office expenses	0.10	0.00	0.00	0.10
9.		Minor works	0.80	0.00	0.00	0.80
		Total (D3to D9):	5.00	0.00	0.00	5.00
		Total D [D1to D9] :	123.06	1325.36	0.00	1448.42
E		Jagdishpur Paper Mill Project (JPML),U.P.	55.00	458.00	0.00	513.00
F		Scheme for enhancement of Competitiveness in Capital Goods Industry.	25.00	0.00	0.00	25.00
G		NER- Grant in-aid to CPM	70.00	0.00	0.00	70.00
		Total (E+F+G)	150.00	458.00	0.00	608.00
		Grand Total(A+B+C+D+E+F+G):	800.00	1788.85	0.00	2588.85

Department of Heavy Industry
Scheme-wise details of approved Annual Plan 2014-15

(₹ In crore)

S.No.	Name of the CPSE and the details of schemes		Annual Plan 2014-15
A	New Schemes in Automotive Sector (a) Testing Infrastructure and (b) R&D Projects for Electric Vehicles		0.01
B	R&D Project Development of Advanced Ultra Super-Critical (Adv. USC) Technology for Thermal Power Plants		100.00
C	Promotion of Automotive Sector including National Automotive Testing and Research & Development Infrastructure Project. (NATRIP).		432.42
	Sub-Total (A+B+C):-		532.43
D	Restructuring of CPSEs and Project Based Support to CPSEs/Autonomous Bodies.		
1	Restructuring of CPSEs under DHI.		
	(i)	HMT (Holding.)	0.00
	(ii)	HMT(Bearings)	0.00
	(iv)	HMT (Watches)	0.00
	(v)	SIL	31.06
	(vi)	HPF	0.00
	(vi)	Nepa Ltd.	94.00
	(vii)	NPPC (in NER)	72.00
	Sub-Total (1):-		197.06
2	Project Based Support to CPSEs/Autonomous Bodies.		
(i)	Andrew Yule & Company Limited (AYCL).		
	A(i)	Ongoing Schemes	
	i)	Plantation & Augmentation of manufacturing & Support facilities for W.B. Tea Garden.	2.00
	ii)	Plantation & Augmentation of manufacturing & support facilities for Assam Tea Gardens under North East Sikkim Scheme.	5.00
	iii)	Product development and allied facilities at Electrical Division.	3.00
	iv)	Upgradation of facilities at Engineering Division.	1.69
	Total :		11.69

(₹ In crore)

S.No.	Name of the CPSE and the details of schemes		Annual Plan 2014-15
(ii)	Bharat Heavy Electricals Limited (BHEL):		
	A	Scheme for 2014-15	
	i)	Power Equipment Fabrication Plant at Bhandara, Maharashtra	329.00
	ii)	Capacity Augmentation Scheme of Gas Turbine, Steam Turbine, Turbo generators, Heat exchangers, pumps, oil rigs and pulverizes at HPEP Hyderabad.	93.00
	iii)	Capacity Establishment for Manufacture of 700 MW Nuclear Turbine & Auxiliary products at Bhopal.	29.00
	iv)	Reinstatement of Transformer Testing Facilities at Bhopal	23.00
	v)	BAP Modernisation	15.00
	vi)	Facilities for manufacturing and testing of 800 KV class HVDC Transformers	15.00
	vii)	Capacity Augmentation of Electrical Motors at Bhopal	12.00
	viii)	Capacity Augmentation scheme of Steam Turbine, Turbo generator and fabrication at HEEP Hardwar.	9.00
	ix)	Facilities for 270 MW Generator Manufacturing at Hyderabad.	3.00
	x)	Power Plant Piping Unit for High Pressure Piping at Thirumayam.	9.00
	xi)	Modernization of Facilities at ATP Shop Trichy	8.00
	xii)	Creation of Exclusive Titanium Fabrication shop with clean Room	6.00
	xiii)	Augmentation of Photo Voltaic Module line capacity at EDN Bangalore	4.00
	xiv)	Capacity Augmentation of castings and forgings at CFFP Hardwar	7.00
	xv)	Other Schemes at various Units	7.00
	xvi)	Modernization & Rationalisation including Quality items	114.00

(₹ In crore)

S.No.		Name of the CPSE and the details of schemes	Annual Plan 2014-15
	xvii)	Township and Welfare	76.00
	xviii)	Customer Project Related Capital Investment (Cranes, Induction Heating Machines, Testing Equipments)	131.00
		Total (ii) A	890.00
	B	Investment in Joint Ventures (JVs)	
	(i)	Investment in NTPC-BHEL Power Projects Limited.	35.00
	(ii)	Investment in Raichur Power Corporation Limited.	55.00
		Total (ii) B	90.00
		Grand Total ii (A+B)	980.00
(iii)		Bharat Bhari Udyog Nigam Ltd. (BBUNL)	
		Capital expenditure	3.67
(iv)		BBJ Construction Co. Ltd. (BBJ)	
	(i)	Equipments required for major Bridge fabrication etc.	24.74
	(ii)	Transformer Testing Facilities at Bhopal	0.00
(v)		Bharat Pumps and Compressors Ltd. (BPCL)	
(vi)		Bridge & Roof (India) Ltd. (B&R)	
		To purchase capital equipment for its construction activities	20.00
(vii)		Richardson & Cruddas Ltd. (R&C)	0.00
(viii)		Tungabhadra Steel Products Ltd. (TSPL)	0.00
(ix)		Heavy Engineering Corporation Ltd. (HEC)	
		Ongoing Scheme for 2014-15	
	i)	Renovation of Producer Gas Plant-FFP	1.00
	ii)	Technology transfer in selected areas of Steel, Mining etc.-HMBP.	1.00
	iii)	General repair and overhaul of production equipment-HMBP	1.00
	iv)	Heat Treatment Facility upgradation-HMTP	0.25
	v)	Upgradation of Communication System, Computerisation and Networking of Activities-HQRS	1.00
	vi)	Office Equipment for Project Division-HQRS	0.50

(₹ In crore)

S.No	Name of the CPSE and the details of schemes		Annual Plan 2014-15
vii)	Reconditioning of Machine Tools with modernisation of Electrical Drive-FFP		1.00
viii)	EOT Crane Renovation in 041-044(10 Nos.)-HMBP		1.25
	Total:-		7.00
(x)	Instrumentation Ltd. (IL), Kota		0.00
(xi)	Rajasthan Electronics & Instruments Ltd. (REIL)		
		Modernisation/Up-gradation of Electronics & IT Business Infrastructure.	5.00
(xii)	Scooters India Ltd.(SIL)		
		Business Revival Plan proposal (including Renewal & Replacement)	0.00
(xiii)	Hindustan Paper Corporation Ltd. (NPM&CPM)		0.00
(xiv)	Hindustan Newsprint Limited (HNL)		88.82
(xv)	Cement Corporation of India Ltd. (CCI)		
	i)	Bokajan Unit	47.50
	ii)	Banderdeva Unit	0.00
	iii)	Silcher Unit	2.00
	iv)	Tandur-Phas-I	4.76
	v)	Tandur-Phase-II	20.24
	Total:-		74.50
(xvi)	Hindustan Salts Ltd. Sambhar Salts Ltd.(HSL/SSL)		
	Assuming Schemes are sanctioned in 2014-15		
	1	Enhancement of Common Salt Production with collection of Sub Soil Brine, Mechanisation, Revival of Abandoned Production Infrastructure & Development of New Production Areas & Supportive Infrastructure.	
	2	Expansion of capacity of Gudha Salt Refinery and Salt upgradation Plant including Modernization at Sambhar Salt Works.	

(₹ In crore)

Sl.No.	Name of the CPSE and the details of schemes		Annual Plan 2014-15
	3	Up-gradation of Salt Washery to Salt Refinery with Supportive Infrastructure & Replacement of Multi Fuel Boilers of HSL Unit at Kharaghoda.	10.00
	4	Salt Refinery at Nawa	
	NEW SCHEME		
	1	Setting up of Packaged Drinking Water Bottling Plant"Rail Neer" at Sambhar Lake-Jaipur.	
	2	Construction of Road from Gudha to Sambhar	
	3	Other Replacement and Strengthen of Roads	
	4	Plantation of Coconut Tree	
	5	Addition of ISO tanks to existing Bromine Olant with ISO tanks(Modification in existing Bromine Plant with ISO tanks which will reduce packaging, storage & transportation cost of Bromine Plant.	
		Total:-	10.00
(xvii)	Engineering Projects (India) Ltd. (EPI)		
	(i)	Capital Expenditure	18.00
(xviii)	Fluid Control Research Institute (FCRI) – an Autonomous Body.		
	1	Setting up of an information security system	0.20
	2	Gas Cylinder test facility	0.34
	3	Establishment of National Knowledge Resource Centre for Flow Product Industries.	0.20
	4	Setting up of Tribology Laboratory	2.00
	5	Inter Laboratory Comparison.	0.20
		Total:-	2.94
3	Information & Technology		1.50
4	Advertising & Publicity		0.50
5	Other Administrative Expenses		0.10
6	Professional & Special Services		2.00

(₹ In crore)

Sl.No.	Name of the CPSE and the details of schemes		Annual Plan 2014-15
7	Offices Expenses		0.10
8	Minor Works		0.80
	Sub-Total (3 to 8)		5.00
E	Jagdishpur Paper Mill Project (JPML)		513.00
F	Scheme for enhancement of competitiveness in Capital Goods Industry.		
	(a)	Setting up of centres of Excellence for Technology Development	12.00
	(b)	Setting up of Integrated Industrial Infrastructure Centre	5.00
	(c)	Setting up of Common Engineering Facility Center	5.00
	(d)	Setting up of Test and Certification Center	2.00
	(e)	Technology acquisition fund programme.	1.00
	Total :-		25.00
G	NER-Grant-in-aid to CPM		70.00
	Grand Total:		2588.85

FINANCIAL OUTLAYS, PROJECTED PHYSICAL OUTPUT & OUTCOMES

2014-15

Sl. No	Name of Scheme/ Programme	Objective/Outcome	Outlay 2014-15(Rs. crore)		Quantifiable Deliverables	Processes/Timelines	Remarks/Risk Factors
			BS	IEBR			
1.	Research & Development in Automotive Industry - Implementation of National Automotive and R&D Infrastructure Project (NATRIP)	<p>(i) To set up World class infrastructure to test vehicles and components against existing and emerging standards mandated by the Govt. to significantly enhanced vehicular safety, performance and ameliorated its impact on public health.</p> <p>(ii) Deepening of automotive manufacturing in India, promoting larger value addition and thereby significantly enhancing employment generation in this sector.</p> <p>(iii) India's emergence as a global outsourcing base for automobiles and auto components in furtherance of Auto Policy.</p>	426.93	5.49	<p>(1) Completion of Civil & Utility works in EMC lab, fatigue lab, and I&F lab, substation building, infotronics, Photometry lab in GARC Chennai.</p> <p>(2) Installation, commissioning & Acceptance of Fatigue lab test platform, CER lab, in GARC Chennai.</p> <p>(3) NATRAX – Completion of VDY lab, STP & WTP lab, power train lab, and Test track equipment (VDY4) in NATRAX Indore.</p> <p>(4) Completion of unfinished target of 2012-13 & 2013-14 i.e. MACD, photometry lab, PWD, PSL labs.</p>	Activities as identified for taking up Civil work and ordering of equipment shall be taken up during the course of the year.	Technological & Contractual issues.

Sl. No	Name of Scheme/ Programme	Objective/Outcome	Outlay 2014-15 (Rs. crore)		Quantifiable Deliverables	Processes/Timelines	Remarks/Risk Factors
			BS	IEBR			
2.	Revival / Restructuring of CPSEs/Autonomous bodies and project based support and schemes towards promotional measures ,modernization of office, IT including plan support for NPPC and North East (₹95.00 cr.) schemes	The revival / restructuring of PSEs will result in strong and effective PSEs	123.06	1325.36	<p>1. Putting up 28 PSEs of DHI before Board for Reconstruction of Public Sector Enterprises (BRPSE) /Cabinet. Revival of NPPC.</p> <p>2. Implementation of E- governance</p> <p>3. Development in the North Eastern Region.</p>	<p>28 PSEs placed before BRPSE. Govt. have approved revival in case of 19 CPSEs. Revival/restructuring plans are under implementation.</p>	<p>The process of revival has been initiated after the approval of the Cabinet. ₹100 crore was released to Nagaland Pulp & Paper Company Ltd. In Sept 2013 for the implementation of the revival plan approved by the CCEA.CCEA approved the proposal of DHI to provide support of Appx ₹75 crore per annum, on actual basis, to HPC for meeting its operational</p>

Sl. No	Name of Scheme/ Programme	Objective/Outcome	Outlay 2014-15 (Rs. crore)		Quantifiable Deliverables	Processes/Timelines	Remarks/Risk Factors
							<p>Cost as grant to the extent of 90% of the transportation cost till such time that the gauge conversion of the Lunding-Silchar railway line is completed.</p> <p>Accordingly, out of an amount of ₹ 74.48 crore for the year 2012-13, ₹ 47.23 was released in March, 2014 and balance ₹ 27.25 crore in the current financial year.</p>

Sl.No	Name of Scheme/ Programme	Objective/Outcome	Outlay2014-15 (Rs. crore)		Quantifiable Deliverables	Processes/Timelines	Remarks/Risk Factors
			BS	IEBR			
							Out of ₹113.61 crore for 2013-14, an amount of ₹42.75 has been released in this financial year.
3.	Setting up of Jagdishpur Paper Mills Limited Distt .Amethi (UP)(JPML) a Greenfield Pulp and Paper Project at Jagdishpur under HPC.	The setting up of JPML would ensure the development of the region in terms of employment (direct as well as indirect) raising the standard of living of the people in and around the company and will contribute significantly to the exchequer of the state as well as GOI.	55.00	458.00	JPML will venture into production of coated/uncoated printing and writing paper. Two paper machines will be installed, one each in Phase I and Phase II supported by pulp mills in each phase with all auxiliaries and utilities. It will reduce the gap between production and import of writing and printing Paper as well as act as a check on the prices. Apart from direct employment to 900 persons,	JPML to be a separate company, for Greenfield Pulp and Paper Project at Jagdishpur, Uttar Pradesh at a cost of ₹1650 crore in Phase I and ₹2000 crore in Phase II Government equity portion in phase I would be ₹733 crore and debt	MoU was executed between MD, UPSIDC and CEO, JPML for providing the land to M/s JPML in presence of Hon'ble Chief Minister, UP on 14th December, 2013. Cabinet gave its approval for the establishment of Greenfield pulp and paper project at Jagdishpur, UP on 12.02.14. ₹11.8 crore, out of ₹118 crore meant for acquiring land at Jagdishpur, has been deposited with UPSIDC for

Sl.No	Name of Scheme/ Programme	Objective/Outcome	Outlay2014-15 (Rs. crore)		Quantifiable Deliverables	Processes/Timelines	Remarks/Risk Factors
			BS	IEBR			
					indirect employment will also be generated which will spur gainful economic activities in the vicinity.	would be ₹917 crore to be obtained from Banks/FIs against Government Guarantee.	allotment of land. ₹ 18 crore has been released vide sanction order dated 22.4.2014.
4	Scheme for enhancement of competitiveness in Capital Goods Industry	Enhancing competitiveness of Indian Capital Goods Sector through (A) Infrastructural interventions like setting up of (i) Advance Centres of Excellence for technology development, (ii) setting up of Industrial Infrastructure Facility and common facility centres to increase cost effectiveness, productivity and export capability and (iii) establishment of Test Certification Centre and (B) Financial intervention like setting up Technology Acquisition Fund to acquire or facilitate acquire or facilitate transfer of technology in the Capital Goods Sector.	25.00	0.00	Development of advance technology Increase in cost effectiveness, productivity and export capability Facility for testing and certification Acquisition of technology.	Scheme to be operational for 5 years. After obtaining approval of the Cabinet Committee on Economic Affairs following steps will be taken: Call for proposals with feasibility report, facilities to be created and project Programme Evaluation and Review Technique (PERT) Evaluation of	CCEA Note is under preparation.

Sl.No	Name of Scheme/ Programme	Objective/Outcome	Outlay2014-15 (Rs. crore)		Quantifiable Deliverables	Processes/Timelines	Remarks/Risk Factors
			BS	IEBR			
						<p>proposal by Screening Committee and recommendations</p> <p>Approval by Apex Committee</p> <p>Formulation of Implementation Agencies.</p> <p>Release of first installment of Budgetary support (Rs. 25 crore) for different Scheme Components subject to availability of pro rata contribution by the concerned Industry, as applicable.</p>	
		TOTAL:	800.00	1788.85			

1. **ANDREW YULE & COMPANY LIMITED (AYCL)**

(₹ in Crore)

Sl. No.	Important Projects in hand	Sanctioned Cost	Scheduled Date of Completion	Total Cumulative Expenditure (Approx.) till the beginning of the year 2014-15	Total Expenditure Planned during 2014-15	Likely date of completion	Related output and outcome
1	2	3	4	5	6	7	8
1	Plantation and Augmentation of manufacturing and support facilities for Assam Tea Gardens	5.00	Mar-15	0.00	5.00	Mar-15	Enhancement in quality, product development and modernisation.
2	Plantation and Augmentation of manufacturing and support facilities for West Bengal Tea Gardens	2.00	Mar-15	0.00	2.00	Mar-15	Enhancement in quality, product development and modernisation.
3	Product development and allied facilities at Electrical Division	3.00	Mar-15	0.00	3.00	Mar-15	Quality improvement and product development
4	Upgradation of facilities at Engineering Division	2.00	Mar-15	0.00	2.00	Mar-15	Quality improvement and product development
5	Enhancement capacity and reating of Transformers products.	50.00	Mar-15	0.00	50.00	Mar-15	Enhancement of capacity and rating.
	Total	62.00		0.00	62.00		

(₹ in Crore)

Sl. No.	Name of PSE	Gross Budgetary Support		Internal and Extra Budgetary Resources
		Plan	Non-Plan	
1	ANDREW YULE & CO. LTD.	0	0	Internal 2014-15 ₹ 11.69 crore External 2014-15 ₹ 50.31 crore *

* against sale of Chennai Unit Land

2. **BHARAT HEAVY ELECTRICAL LIMITED (BHEL)**

(₹ in Crore)

Sl. No.	Important Projects in Hand	Sanctioned Cost	Scheduled Date of Completion	Total Cumulative Expenditure till beginning of year 2014-15	Total Expenditure planned in 14-15	Likely date of completion	Related Output & Outcome
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
A	BHEL Manufacturing Units						
A(i)	Capital Expenditure in Important Projects in Hand						
1	Power Equipment Fabrication Plant at Bhandara, Maharashtra	521.91	Dec-09	89.95	329	Apr-15	Capacity Augmentation
2	Capacity Augmentation Scheme of Gas Turbine, Steam Turbine, Turbo generators, Heat exchangers, pumps, oil rigs and pulverisers at HPEP Hyderabad	697.80	Dec-11	367.12	93	Mar-15	Capacity Augmentation
3	Capacity Establishment for Manufacture of 700MW Nuclear Turbine & Auxiliary products at Bhopal	473.74	May-14	0.00	29	Mar-15	Capacity Augmentation
4	Reinstatement of Transformer Testing Facilities at Bhopal	77.73	Mar-14	45.09	23	Jan-15	Modernisation
5	BAP Modernisation	117.42	Dec-09	88.68	15	Mar-15	Modernisation
6	Facilities for manufacturing and testing of 800KV class HVDC Transformers	44.54	Apr-13	21.62	15	Feb-15	Modernisation and Capability enhancement
7	Capacity Augmentation of Electrical Motors at Bhopal	132.84	Dec-09	102.84	12	Jun-15	Capacity Augmentation
8	Capacity Augmentation Scheme of Steam Turbine, Turbogenerator and fabrication at HEEP Hardwar	1303.67	Dec-11	1041.56	9	Mar-15	Capacity Augmentation
9	Facilities for 270MW Generator Manufacturing at Hyderabad	42.68	Mar-13	29.16	3	Oct-14	Capability enhancement
11	<i>Modernisation of Facilities at ATP Shop Trichy</i>	42.75	June-10	15.34	8	Mar-15	Modernisation

(₹ in Crore)

Sl. No.	Important Projects in Hand	Sanctioned Cost	Scheduled Date of Completion	Total Cumulative Expenditure till beginning of year 2014-15	Total Expenditure planned in 14-15	Likely date of completion	Related Output & Outcome
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
12	Creation of Exclusive Titanium Fabrication shop with Clean Room	19.78	Feb-14	9.32	6	Mar-15	Modernisation
13	Augmentation of Photo Voltaic Module Line Capacity at EDN Bangalore	21.42	Oct-13	14.59	4	Mar-15	Capacity Augmentation
14	Capacity Augmentation of castings and forgings at CFFP Hardwar	48.63	June-09	32.82	7	Mar-15	Capacity Augmentation
Sub Total (A-i) :					553		
A(ii)	₹ 337 Crores is towards other minor schemes, M & R, T & W (₹ 206 crs.) of Manufacturing Units and Tools & Plants/ Enabling works (₹ 131 Crores) of Power Sector regions (construction sites).				337		
Sub Total (A) :					890		
B	Investment in Joint Venture (Raichur Power Corporation Limited)			331.50	55		
C	Development of Advanced Ultra Super-Critical (Adv-USC) Technology for Thermal Power Plants through Internal Sources of BHEL			-	35		
Expenditure Planned in 14-15 through internal sources of BHEL (A+B+C)					980		
D	Development of Advanced Ultra Super-Critical (Adv-USC) Technology for Thermal Power Plants through External Funding from DHI/Govt of India			-	211		
Total Expenditure Planned in 14-15 (A+B+C+D)					1191		

Total Investment Planned in 14-15 for Development of Advanced Ultra Super-Critical (Adv-USC) Technology for Thermal Power Plants is ₹ 246 Crores.

Out of this ₹ 35 Crores to be invested by BHEL, while balance ₹ 211 Crores is subject to funding by DHI/Govt of India

3. BRAITHWAITE BURN AND JESSOP CONSTRUCTION. CO., LTD. (BBJ)

(₹ in Crore)

Sl No	Important Projects in hand	Sanctioned cost	Scheduled date of completion	Total cumulative expenditure (approx.) till the beginning of the year 2014-15	Total expenditure planned during 2014-15	Likely date of completion	Related output and outcome
1	2	3	4	5	6	7	8
	Munger	950.00	30.09.2014	730.00	200.00	Dec'14	Creation of Infrastructural support by way of Construction of Steel bridges/flyover at various places
	Gandak	42.00	30.12.2013	35.00	7.00	June'14	
	Jaldhaka/Torsa	46.00	31.07.2013	44.00	2.00	June'14	
	L&T Project	9.50	30.04.2014	7.00	2.50	May'14	

4. BHARAT BHARI UDYOG NIGAM LTD (BBUNL)

(₹ in Crore)

Sl No	Important Projects in hand	Sanctioned cost \$	Scheduled date of completion	Total cumulative expenditure (approx.) till the beginning of the year 2014-15	Total expenditure planned during 2014-15	Likely date of completion	Related output and outcome
1	2	3	4	5	6	7	8
1	Inter state Truck Terminus	12.69 #	Within 24 months from the date of approval of DPR from clients	12.16	0.53	By 31.12.14	Truck Terminus is now operative
2	Rajendra Agricultural University, Bihar	27.66	Within 12 to 18 months from the date of approval of DPR from clients	19.79	7.87	By 31.03.15	Agricultural university in Bihar will start & learning about cultivation will start
3	Construction of R.C.C Bridges *	17.99	Within 24 months from the date of approval of DPR from clients	15.94	2.05	By 31.03.15	Road Bridge will be operative

\$ **Sanction cost** = Total cumulative expenditure up to 2013-14 (i.e col. no 5) + Projected sub-contracting cost in 2014-15

Completed & handed over to client on 17.01.2014, however, construction of North side boundary wall for Phase II will be completed by 31.12.2014

* Kumarghat project (bridge nos 2,3,4) almost completed in Aug'13 (except wearing coat & painting).

5. CEMENT CORPORATION OF INDIA LIMITED (CCIL)

SL. No.	Important Projects in hand	Sanctioned Cost	Scheduled date of completion	Total cumulative expenditure (Approx.) till the beginning of the year 2014-15 as per annual plan	Total expenditure planned during 2014-15	Likely date of completion	Related output and outcome
1	2	3	4	5	6	7	8
1	Bokajan expansion	182.08	March 2012	97.90	49.50	March 2015	Optimising and improving operational parameters with product mix having PPC production using dry fly ash with 100% capacity expansion from 1.98 lakh tone per annum to 3.96 lakh tonne per annum. The capacity expansion includes setting up clinkerisation unit at Bokajan with additional grinding facility at Silchar.
2.	TANDUR						
	Phase I	19.11	March'2012	14.35	4.76	March'2015	Replacement of multy –cyclones and high efficiency ESP, production of PPC, replacement of mechanical packers by electronic packers, high efficiency classifier in VRM and replacement of pre-heater top stage cyclones with low pressure clap high efficiency cyclones, installation of new PLC etc.
	Phase II	66.15	March'2014	24.91	20.24	March'2015	
	Total	267.34		137.16	74.50		

6. HINDUSTAN MACHINE TOOLS LTD.(HMT & ITS SUBSIDIARIES)

(₹ in Crore)

Sl No	Important Projects in Hand	Sanctioned Cost	Scheduled Date of Completion	Total Cumulative Expenditure till the beginning of the year 2014-15	Total Expenditure planned during 2014-15	Likely Date of Completion	Related Output and Outcome	Remarks
1	Restructuring of HMT Ltd	Phase I : Rs 289.92 Cr. Phase II : Rs 158.00 Cr. Received in 13-14 : Rs 228.46 Cr. Expected for 14-15 : Rs 69.45 Cr.	12/18 Months from Release of Funds	Phase I : Rs 199.21 Cr. Out of Rs. 228.46 Cr.	Rs. 98.71 Cr. (Rs.29.25+ Rs.69.46)	12 Months from Sanction / Release of Funds	To scale up production to meet market demand of Tractors & To improve the Manpower Morale	Plant Modernisation & Technology Upgradation : Rs 50 Cr. Working Capital Support Rs 8 Cr. Bridge Loan Rs. 11.46 Cr. as per revival Plan
2	Restructuring of HMT Machine Tools Ltd	165.55	12 Months from Sanction / Release of Funds	0	165.55	12 Months from Sanction / Release of Funds	To meet the Technology Upgradation, R & D, operational constraints & To improve the Manpower Morale	Working Capital Rs 75 Cr, Bridge Loan towards addition impact for pay revision Rs 29.34 Cr. Extension of Time for utilisation of Technology Acquisition Fund Re-appropriation Rs 20 Cr, Training Fund 2.63, Interest Waiver up to 31.03.2014; Rs 38.58 Cr.

Sl No	Important Projects in Hand	Sanctioned Cost	Scheduled Date of Completion	Total Cumulative Expenditure till the beginning of the year 2014-15	Total Expenditure planned during 2014-15	Likely Date of Completion	Related Output and Outcome	Remarks
		50.34	-	0	50.34	Immediate on Release of Funds	Ease the operational difficulties	Statutory Dues (Sept to Mar 14) under approval
		46.51	-	0	46.51	Immediate on Release of Funds	To Reduce Interest Burden	Statutory Dues under consideration
3	Restructuring of HMT Watches Ltd	0.01	-	0	0.01	-	Measures to address the operational difficulties	As Equity infusion towards Revival Plan Proposal including ; - CAPEX, Working Capital, Discharge of liabilities, VRS, Salary support
		65	-	0	65.00	Immediate on Release of Funds	Measures to address the operational difficulties	GOI Loan for Salaries/statutory dues: Rs.35 cr. For implementation of VRS: Rs 30 Cr.
4	Restructuring of HMT Chinar Watches Ltd.	1.73	-	0	1.73	Immediate on Release of Funds	Measures to address the operational difficulties	Non Plan Salary Support
		8.00	-	0	8.00			VRS Implementation Plan

Sl. No	Important Projects in Hand	Sanctioned Cost	Scheduled Date of Completion	Total Cumulative Expenditure till the beginning of the year 2014-15	Total Expenditure planned during 2014-15	Likely Date of Completion	Related Output and Outcome	Remarks
5.	Restructuring of HMT Bearings Ltd.	126.11	12 Months on approval	0	126.11	12 Months on approval	To Infuse investments for operational needs as per proposed plan	Token Provision for revival plan : GOI Equity infusion for Plant Modernisation Rs 12.5 Cr, Working Capital Bridge Loan Rs 10 Cr, Salary support for 1 year Rs. 3.76, Filing Fees Rs. 0.75 Cr, Conversion of Loan to equity & waiver Rs 46.06 Cr, Conversion of Loan to equity Rs. 28.90 Cr, Interest Waiver Rs.24.14 Cr.(up to 31.03.2013)
		3.76	-	0	3.76	Immediate on Release of Funds	Measures to address the operational difficulties	Non Plan Salary Support
	Total	536.47		199.21	565.72			

7. HEAVY ENGINEERING CORPORATION LTD. (HEC)

Sl. No.	Plant/Unit	Est. Cost	Planned date of completion	Expenditure till 2013-14	Planned during 2014-15	Likely date of completion	Related output and outcome
	Important Projects						
1	Common for all units						
	Implementation of Business Process re-engineering (BPR) in three manufacturing units and implementation of modernization Plan with the help of Consultant	30.00	36 months after approval of Plan (base date 1.10.2014)	0.00	10.00	Oct 2017	Increase in business of existing products as well as new products in Mining, Crushing/ Grinding, Construction, Material Handling, Steel and other sectors
2	Foundry Forge Plant						
2(a)	Upgradation of Melting and Casting Facilities (Installation of 35/40 t and 12 t EAF, VD unit of 150 t with mechanical pump, Sand reclamation plant, Sand dryer, Continuous Sand mixer, Casting simulation software; and latest casting Technology)	94.93	In phases by March-2016	0.90	11.18	March 2016	Turnover of ₹370 crore for external customers and ₹200 crore for sister plants: <ul style="list-style-type: none"> • Increased production of Liquid Metals thereby Castings, Ingots and forgings. Benefits in phases. • Supply of Casting to external customers to be increased to ₹ 65-70 crore from present level of 7-10 crore and supply to sister plants to 65-70 crore from present level of 20-25 crore. Supply of forgings to external customers to be increased to ₹ 305 crore from present level 10-25 crore, supply to sister plants to 80-100 crore from present level of 20-25 crore.
2(b)	Upgradation of Fettling Facilities (Shot blasting machine, Swing grinders and Welding rectifier)	6.70	In phases by March-2016	0.00	0.60	March 2016	
2(c)	Upgradation of Machining, Heat Treatment & Quality Control Facilities (Installation of Dynamic balancing machine, CNC roll grinder, Wobbler Milling Machine, Revamping of existing machine tools, Deep hole drilling and boring machine, Induction hardening machine for journal and barrel hardening of rolls, X ray fluorescent Spectrometer , Cryogenic heat treatment facility for rolls , Metrology, material testing, NDT & Quality control eqpt)	67.55	In phases by March-2017	0.00	10.43	March 2017	

Sl. No.	Plant/Unit	Est. Cost	Planned date of completion	Expenditure till 2013-14	Planned during 2014-15	Likely date of completion	Related output and outcome
	Important Projects						
2(d)	Upgradation of Forging Facilities (6000/1000T Press, heating /heat treatment furnaces, manipulator for hammer, forging technology)	125.00	In phases by Oct-2017	4.27	9.00	October 2017	To achieve sales of over ₹ 850 crore by 2018-19 from present level of ₹ 300-400 crore
2 (e)	Upgradation of Material Handling Facilities (Revamping of cranes, procurement of fork lift, scissor lift, pay loader, Dumper and Locos)	13.50	In phases by March-2017	0.00	3.65	March 2017	
2(f)	Upgradation of Other Facilities (Power Supply, Tools, Plants/Buildings, utilities etc)	26.00	In phases by March-2016	0.60	3.55	March 2016	
	Heavy Machine Building Plant						
3(a)	Upgradation of Machining & allied Facilities New CNC M/cs Like Plano milling, horizontal boring, VTB, Gear Hobber, Lathe with turn mill, Milling Machine, slotting M/c. , Upgradation of existing machine tools)	193.10	In phases by October 2017	0.00	43.00	Oct 2017	
3(b)	Upgradation of Fabrication facilities CNC flame cutting machine , Stress relieving furnace, Band saw, Press brake, Hydraulic shearing machine, Vertical hydraulic press, Plate bending machine, Section/pipe/ beam bending machine, Hydraulic steelworker and Portable welding / plasma cutting machine)	26.72	In phases by March-2016	0.00	5.35	March 2016	
3(c)	Upgradation of design facilities and acquisition of Product Design/Technology	43.50	In phases by March-2017	0.00	1.50	March 2017	
3(d)	Upgradation of material handling facilities (upgradation of cranes and procurement fork lift, scissor lift)	9.25	In phases by March-2016	0.00	3.80	March 2016	

Sl. No.	Plant/Unit	Est. Cost	Planned date of completion	Expenditure till 2013-14	Planned during 2014-15	Likely date of completion	Related output and outcome
	Important Projects						
3(e)	Quality Control and Assembly facilities (Metrology & NDT equipment, Condition Monitoring equipment, Horizontal hydraulic press for assembly ,etc)	9.20	In phases by March-2016	0.00	1.05	March 2016	
3(f)	Upgradation of Other Facilities (Buildings, Shop utilities, etc.)	21.00	In phases by March-2016	0.00	10.50	March 2016	
4	Heavy Machine Tools Plant						Production of spares/components, refurbishment to the tune of ₹ 80 Cr. for HMBP and 20 Cr. for others.
4(a)	Upgradation of Machining & allied Facilities, replacement of outlived facilities and addition of balancing facilities	126.81	In phases by October-17	0.79	3.50	Oct 2017	
5	Corporate Office						
5(a)	ERP / SAP solution for Plants and Corporate office	15.00	March 2017	0.00	2.00	March 2017	Better control will result in increased turnover
5(b)	Computer H/W, S/W and office equipment	1.75	Oct-2016	0.82	0.40	Oct 2016	
5(c)	Civil / architectural / renovation of office	1.51	As per need	0.30	0.20	Oct 2016	Safe and efficient working condition
	Total	811.52		7.68	119.71		

8. HINDUSTAN PAPER CORPORATION LIMITED (HPC)

(₹ in Crore)

S. No	Important Projects in hand	Sanctioned Cost	Scheduled Date of Completion	Total Cumulative Expenditure (Approx.) till the beginning of the year 2014-15	Total Expenditure Planned during 2014-15	Likely Date of completion	Related Output and Outcome
1	Cachar Paper Mill (CPM)	104.96	-	0.00	10.04	Would be taken up on piece meal basis	Upgradation of Plant and Machinery for better output
2.	Nagaon Paper Mill (NPM)	224.55	-	0.34	19.67		
Total		329.51	-	0.34	29.71		

9. HINDUSTAN NEWSPRINT LTD (HNL)

(₹ in Crore)

S.No	Important Projects in hand	Sanctioned Cost	Scheduled date of Completion	Total Cumulative Expenditure till the beginning of the year 2014-15	Total Expenditure Planned during 2014-15	Likely Date of completion	Related Output and Outcome
	HNL	154.40		0.00	88.82	To be completed on piece- meal basis	Up-gradation of Plant & Machinery for better output

10. JAGDISHPUR PAPER MILLS LTD. (JPML)

(₹ in Crore)

S. No	Important Projects in hand	Sanctioned Cost	Scheduled Date of Completion	Total Cumulative Expenditure (Approx.) till the beginning of the year 2014-15	Total Expenditure Planned during 2014-15	Likely Date of completion	Related Output and Outcome
	Green field Project at Uttar Pradesh	3650	30 months from the zero date	12.00	810.00	The Project is yet to be kicked off	New Paper Mill of 3Lakh tonne capacity at Uttar Pradesh

11. NAGALAND PULP AND PAPER COMPANY LTD.(NPPC)

(₹ in Crore)

S. No	Important Projects in hand	Sanctioned Cost	Scheduled Date of Completion	Total Cumulative Expenditure (Approx.) till the beginning of the year 2014-15	Total Expenditure Planned during 2014-15	Likely Date of completion	Related Output and Outcome
	Revival and up-gradation of NPPC	489.00	27 months from the zero date	75.00	241.86	As per Draft Rehabilitation Scheme	Revival and upgradation of NPPC

12. HINDUSTAN SALTS LIMITED (HSL)

(₹ in Crore)

S. No	Important Projects in hand	Sanctioned Cost	Schedule date of Completion	Total Cumulative Expenditure (Approx.) till the Beginning of the Year 2014-15	Total Expenditure Planned during 2014-15	Likely data of completion	Related Output and Outcome
1	Kharaghoda Unit Up-gradation of Salt Washery to Salt Refinery with Supportive Infrastructure & Replacement of Multi Fuel Boilers HSL Unit at Kharaghoda.	10.70	July-2013	22.50 Lacs (As fund received on December-2013)	5.00	June-2015	Up-gradation of Salt Washery to Salt Refinery with Supportive Infrastructure & Replacement of Multi Fuel Boilers HSL Unit at Kharaghoda.
2	Sambhar Salts works <u>Enhancement of Common Salt Production</u> with Collection of Sub Soil Brine. Mechanisation. Revival of Abandoned Production Infrastructure & Development of New Production Areas & Supportive Infrastructure.	15.10	March-2014	1.06	7.00	Dec - 2016	<u>Enhancement of Common Salt Production</u> with Collection of Sub Soil Brine. Mechanisation. Revival of Abandoned Production Infrastructure & Development of New Production Areas & Supportive Infrastructure.

S. No	Important Projects in hand	Sanctioned Cost	Schedule date of Completion	Total Cumulative Expenditure (Approx.) till the Beginning of the Year 2014-15	Total Expenditure Planned during 2014-15	Likely data of completion	Related Output and Outcome
3	Value added Products Sambhar Salts Works Expansion of Capacity of Gudha Salt Refinery and Salt Up-gradation Plant including Modernisation at Sambhar Salts Works	9.75	October- 14	Nil (As fund has not received)	6.00	July-2015	Expansion of Capacity of Gudha Salt Refinery and Salt Up-gradation Plant including Modernisation at Sambhar Salts Works
4	Salt Refinery at Nawa Area	19.80	October-14	Nil (As fund has not received)	7.00	August-2015	
	TOTAL	55.35					

13. NEPA LIMITED

(₹ in Crore)

Sl. No.	Important Projects in hand	Sanctioned Cost	Scheduled date of completion	Total Cumulative Expenditure (Approx.) till the beginning of the year 2014-15	Total expenditure planned during 2014-15	Likely date of completion	Related output and outcome
1.	Installation of DIP.	285	June, 2015	1.58 (Received from GoI on 28.03.2014)	₹103 Crore equity from GoI.	August, 2015	<ul style="list-style-type: none"> ➤ Improvement in productivity. ➤ Improvement in efficiencies. ➤ The targeted production will be 83,000 tpa. ➤ Product diversification. ➤ Company will start making profit from 2nd year.
2.	Installation of 9 MW CPP		July, 2015		₹84 Crore loan from Financial institutions.	September, 2015	
3.	Refurbishment of 12.27 MW CPP.		July, 2015		Previous year (2013-14) balance amount of ₹45.90 Crore equity from GoI.	September, 2015	
4.	Renovation of Paper Machine 1		July, 2015		Previous year (2013-14) balance amount of ₹44 Crore loan Financial institutions.	September, 2015	
5.	Renovation of Paper Machine 2		July, 2015		Total: ₹148 Crore equity from GoI.	September, 2015	
6.	Electrical for above works.		July, 2015		₹128 Crore loan from Financial institutions.	September, 2015	
7.	Instrumentation for above works.		July, 2015			September, 2015	

Sr. No.	Particulars	Equity from GoI			Loan from financial institutions		
		FY 2013-14	FY 2014-15	Total	FY 2013-14	FY 2014-15	Total
1.	Sanctioned Cost	54	103	157	44	84	128
2.	Amount Received up to 31.03.2014	8.10	0	8.10	0	0	0
3.	To be received (1-2)	45.90	103	148.90	44	84	128

14. SCOOTER INDIA LIMITED (SIL)

(₹ in Crore)

S.No	Important Projects in Hand	Sanctioned Cost	Scheduled date of completion	Total Cumulative Expenditure (Approx.) till the beginning of the year 2014-15	Total Expenditure planned during 2014-15	Likely Date of completion	Related Output & Outcome
	Renewal & Replacement	31.90	2014-15	0.75	31.15	2015-16	16,500

2.2 OVERALL PERFORMANCE OF DEPARTMENT OF PUBLIC ENTERPRISES.

(₹ In crore)

Sl . N o.	Name of Scheme/ Programme	Objective / Outcome	Outlay 2014-15			Quantifiable Deliverable/ Physical Outputs	Projected Outcomes	Processes/ Timelines	Remarks/Ri sk factors
			Non Plan	Plan	IEBR				
1.	2.	3.	4.			5.	6.	7.	8.
1	Counselling, Retraining & Redeployment Scheme(CRR)	To provide short duration training to separated employees of CPSEs so as to enable them to get redeployed mainly in self-employment activities .	--	4.90	--	Counselling & Retraining of 2500 VRS optees.	Redeployment of around 1000 VRS optees of CPSEs after counselling and retraining.	Scheme to be implemented after approval of the Competent authority. Implementation of Scheme by selected nodal agencies through Employees Assistance Centres (EACs) located in various parts of the country during the year 2014-15.	It is a social safety net scheme.
2	Plan Scheme of "Research, Development and Consultancies on Generic Issues of CPSEs." (RDC).	To undertake research, studies and organise conferences, seminars, workshops on thematic issues relating to PSEs.		2.80		(i) Workshops	Organising of: (i) 5 Workshops for CPSEs on MoU. (ii) 2 Workshops in two states on adoption of MoU System in SLPEs. (iii) 4 workshops for Non-official Directors.	All the proposed activities to be executed after approval of the Steering Committee as per guidelines under the RDC Scheme.	Need based development activities are to be accomplished in a time bound manner.

Sl. No .	Name of Scheme/ Programme	Objective / Outcome	Outlay 2014-15			Quantifiable Deliverable/ Physical Outputs	Projected Outcomes	Processes/ Timelines	Remarks/Risk factors
1.	2.	3.	4.			5.	6.	7.	8.
			Non Plan	Plan	IEB R				
								Scrutiny Committee will scrutinize each proposal based upon rules and procedures laid down in GFR for selection of the expert/consultant / agency etc.	
					(ii) Summit	Organising Global summit on Performance Management of CPSEs.			
					(iii) Study	Conducting: (i) Study by Consultant for Benchmarking as per RFD Target. (ii) Study on APAR Guidelines.			
					(iv)Meetings	Holding of Standing Committee Meeting and 4 Interaction Meetings with Company Secretaries, Meeting on APAR Guidelines, Experience sharing session on best practices in H.R. and Meeting on aligning DPE guidelines.			
					(v)Holding of meetings of Task Force for MoU and	Finalisation of recommendation of Task Force for MoU with CPSEs by.	Finalization and circulation of MoU guidelines for 2015-16 to administrative Ministry by DPE by		

Sl. No	Name of Scheme/ Programme	Objective / Outcome	Outlay 2014-15			Quantifiable Deliverable/ Physical Outputs	Projected Outcomes	Processes/ Timelines	Remarks/Risk factors
			4.	4.	4.				
1.	2.	3.	Non Plan	Plan	IEB R	5.	6.	7.	8.
						finalisation of MoU.	24.03.2015	25.11.2014, Finalization of recommendation of Task Force by 24.03.2015	bound manner.
3.	Scheme of Skill development/ Training of Executives & Employees in State Level Public Enterprises (SLPEs)	To impart training /knowledge to The Managers/ Executives/ Employees of SLPEs for improving their skills and for enhancing Productivity in the enterprise	--	0.90	--	Taking up Training Programmes in Premium Management Institutes.	To benefit SLPEs in improving productivity in enterprises, promoting best management practices, strategic thinking, project management etc.	Requests are invited from reputed Management Institutes for training of executives and employees of SLPEs. An Implementation Committee considers the training proposals received from various Institutes and draws up a training calendar for 2014-15 as per guidelines of SDP. The Implementation Committee also monitors implementation of training programmes.	Scheme became operational in 2012-13. In 2014-15, training module has been finalised and institutes have been conveyed approval for holding training programmes.
4.	Information Technology(IT)	This aims at modernisation for providing better services, records etc.	--	0.40	--	This item of expenditure was created in the department for systematic allocation of expenditures covered under the IT Head. Main areas of expenditure covered under this Head are strengthening of IT infrastructure i.e. for purchase of computer hardware, software and peripherals, implementation of e-governance, e-office etc.			
	TOTAL			9.00					

CHAPTER-III

REFORM MEASURES AND POLICY INITIATIVES

3.0 The major thrust of the Department has been on improving the performance of CPSEs under its control and to initiate measures to promote the Auto and Capital Goods sectors. Some of the initiatives taken in this context are outlined in the succeeding paragraphs.

3.1 PERFORMANCE MONITORING

The Department monitors the performance of Public Sector Enterprises on a regular basis. In order to perform its role effectively, the following major channels for flow of information, communication and interaction are in operation:

- (a) Management Information System;
- (b) The nominees of Government on the Board of Directors of Public Sector Enterprises who function as the eyes and ears of the Department and keep a close and continuous touch with the Public Sector Enterprises;
- (c) Inter- ministerial groups, Joint working groups and task forces for carrying out specific assignments; and
- (d) Periodical meetings in which a comprehensive review of the progress, problems and prospects of public enterprises is carried out with the top management of the respective public sector enterprises.

3.2 MEMORANDUM OF UNDERSTANDING (MOU)

27 Memorandum of Understanding (MOU) were signed by all the CPSEs with the Government of India/ holding company for the year 2013-14.

MOU documents bring out quantifiable targets in respect of various parameters of performance measures to be taken by the enterprises to achieve these targets and the assistance to be provided by the Government. A High Level Committee under the chairmanship of Cabinet Secretary evaluates the performance of the MOU signing Companies.

3.3 Autonomy to PSEs/ Navratnas and Miniratnas.

- a. BHEL is a Maharatna CPSE. The Board of the Company has been strengthened by induction of qualified professionals; Maharatna CPSEs enjoy greater autonomy in respect of capital expenditure, formation of strategic alliances and formulation of HRD policies
- b. There are seven CPSEs under DHI namely; REIL, HNL, EPI, HMT(I), BPCL, B&R and HPC which have been categorized as Miniratnas.

3.4 Board for Reconstruction of Public Sector Enterprises (BRPSE).

With a view to have a strong and effective public sector by strengthening, modernizing, reviving and restructuring the CPSEs, a Board for Reconstruction of Public Sector Enterprises (BRPSE) has been constituted to address these tasks and advice the Government on strategic measures.

3.5 Restructuring/Revival of PSEs.

Sick and Loss making CPSEs are being revived/ restructured in line with the guidelines/instructions issued by Minister of Finance from time to time, and on the basis of specific recommendations given by the Board for Reconstruction of Public Sector Enterprises (BRPSE). During the year restructuring/revival have been approved in some of the CPSEs under DHI.

3.5.1 Nepa Ltd.

Cabinet approved the proposal for revival of Nepa Ltd. on 06-09-2012. Accordingly orders for revival of the company have been issued. Draft rehabilitation closure (DRC) is under consideration of BIFR.

3.5.2 Nagaland Pulp and Paper Co. Ltd.:

Cabinet Committee on Economic Affairs has approved the proposal to revive NPPC in its meeting held on 4th June, 2013. Based on the approval of CCEA, preparation of Draft rehabilitation scheme (DRS) is in process.

3.6 National Automotive Testing and R&D Infrastructure Project (NATRiP)

3.6.1 The National Automotive Testing R & D Infrastructure Project (NATRiP), approved by the Government in 2005, envisages setting up of world-class automotive testing and homologation facilities in India with a total investment of ₹ 1,718 crore. The revised cost of the project, to be completed by December 2014 is ₹ 2288.06 crore. The project envisages setting up the following broad facilities:-

- (a) A full-fledged testing and homologation centre within the northern hub of automotive industry at Manesar in the state of Haryana ;
- (b) A full-fledged testing and homologation centre within the southern hub of automotive industry at Oragadam, near Chennai, the state Capital of Tamil Nadu ;
- (c) Comprehensive upgradation of existing testing and homologation facilities in the western hub at Automotive Research Association of India (ARAI), Pune and at Vehicle Research and Development Establishment (VRDE), at Ahmednagar in the state of Maharashtra ;
- (d) A world-class Proving Ground on more than 4,000 acres of land at Pithampur, near Indore in the state of Madhya Pradesh ;
- (e) A Centre for Testing of Tractors and Off-Road Vehicles in the Northern region of the country, with national facility for accident data analysis and specialized driving training at Rae Bareilly, about 60 miles from Lucknow the state capital of Uttar Pradesh ; and
- (f) A Specialized Hill Area Driving Training Centre and an In-Use Vehicle Management Centre in the North Eastern region at Silchar in the state of Assam.

3.6.2 Apart from this, NATRIP will also establish Nine Centres of Excellences at above mentioned centres to further R&D in Automotive Sector a sum of ₹ 1504.73 crore by way of Grant, has been so far released to NATRiP.

3.7 Scheme for “Enhancement of Competitiveness in Capital Goods Sector”

DHI handles 19 sub sectors of Capital Goods Sector, major among them being machine tools, textile machinery, Earthmoving and Mining Machinery, process plants, boilers & turbines, Heavy Electrical Equipments including transformers. A scheme for enhancing competitiveness in the Indian capital goods sector, with an initial government budgetary support of ₹ 581.22 crore as part of the Department’s long standing commitment for developing the industrial base of the country, has been formulated which will soon be put up for approval of the competent authority. The scheme proposes to set up modern common facility centers and sector specific industrial cluster parks and technology support to industries.

3.8 Gender empowerment

- a. DHI and PSEs under the administrative control constantly endeavour to ensure that there is no discrimination against women on any account. All members of the staff are made conscious of the principles of gender mainstreaming and gender justice.
- b. In order to create awareness regarding human rights especially of female employees, Department of Heavy Industry, in accordance with the directions issued by the Government for the preservation and enforcement of rights to gender equality and justice to working women employees, has setup a complaint Committee, headed by a woman officer, in place, in this Department for redressal of complaints related to sexual harassment of women. Department actively encourages women employees to freely participate in all activities like meetings, seminars, competitions and training etc. This helps in ensuring their integration into the mainstream work force.

3.9 Skill Development

I. Automotive Sector

For skill development in the automotive sector, an Automotive Skill Development Council(ASDC) has been constituted and registered under societies Registration Act XXI of 1860 on 18.03.2011. The main aim and objective of the Council is to generate quality manpower and develop skilled professional in the area of automotive and allied industry by developing world class education curriculum and providing training and accreditation services for automotive professionals. The initial funding of ₹ 75 lakh for the pilot stage during the first year has been provided by the National Skill Development Council (NSDC). The Pilot phase is over and action is under way to take up the main phase early.

II. Heavy Engineering and Machine Tools Industry

DHI working with NSDC and Industry Associations has set up Capital Goods Skill Council for standardization of National Vocational Qualifications (Skills) and accreditation of Training Institutions for Capital Goods Sector. The Council has been approved a NSDC grant of ₹ 4.3 crore for its activities. The work has started this financial year. 4 Qualification packs have been notified. Trainings have been started in the affiliated training institutes. Soon, 50 more Qualification Packs will be notified.

3.10 Setting up of National Automotive Board (NAB)

The NAB has been constituted as a registered society under the Registration of Societies Act. NAB is envisaged to be an autonomous technical organization provided a single platform for dealing with all matters relating to the automotive sector. NAB will provide technical expertise and advise the concerned Ministries and Departments on various important issues concerning the automotive industry, especially issues relating to Government policies, automotive regulations administering the automotive testing and homologation labs under the DHI etc. NAB will also be that nodal agency for issue of Type approval and homologation certificates based on the test reports issued by the Test agencies, WP-29 activities, regulation making activities in India and also undertake efforts for collaborative R&D.

3.11 National Mission for Electric Mobility:

On the recommendations of the Prime Minister's Group on Technology – Manufacturing of Electric Vehicle in India, it was decided in NMCC meeting that a Group should be formed under the DHI to finalize the Vision Document on EV. Accordingly, a Core Group was constituted by this Department on 24.11.2009 with members from all the stakeholders, which was based on discussions, prepared an elaborate policy document. Subsequent to this, The National Electric Mobility Mission Plan (NEMMP) 2020 was approved by the National Council for Electric Mobility(NCEM) under the Chairmanship of Minister (HI&PE) in its meeting held on 29.08.2012 in New Delhi, wherein the NECM has approved the NEMMP 2020. The NEMMP 2020 provides a roadmap for facilitating the manufacture and use of electric and hybrid vehicles through a series of interventions in order to support R&D in technology including battery technology, create demand for such vehicles, and to enhance manufacturing of such vehicles significantly by the year 2020. The ultimate objective of NEMMP 2020 is to enhance the energy security of the country and reduce the impact of transportation on environment through electric and hybrid mobility.

3.12. New Scheme in Automotive Sector-Testing infrastructure and R&D projects for Electric Vehicles- The National Mission for Electric Mobility (NMEM) 2020 has been unveiled on 9th January, 2013. NMEMP 2020 is a vision document for gradual induction of electric and hybrid mobility in India upto a significant level by the year 2020 with a certain level of indigenization of technology ensuring India's global leadership in some vehicle segments. It is a composite scheme using different policy-levers such as:

- i. Demands side incentives to facilitate acquisition of hybrid/electric vehicles.
- ii. Promoting R&D in technology including battery technology, power electronics, motors, systems integration, battery management system, testing infrastructure and ensuring industry participation in the same.
- iii. Promoting charging infrastructure etc.

3.13. New Scheme in R&D projects ‘Development of Advanced Ultra Super-Critical (Adv.USC) Technology for Thermal Power Plants’- For the execution of R&D project ‘Development of Advanced Ultra Super-Critical (Adv.USC) Technology for Thermal Power Plants’, jointly carried out by BHEL, Indira Gandhi Centre for Atomic Research, under Department of Atomic Energy and NTPC, a new Scheme has been introduced . The objective of this project is to undertake R&D on all aspects of Adv. USC Technology for Thermal Power Plants in order to improve power plant efficiency, reduce Carbon-dioxide emissions and reduce coal consumption and also establishing demonstration Power Plant based on the developed technology. The duration of this projects is estimated to be two and a half years from the date of approval. This will be followed by setting up of an 800 MW Adv-USC Demonstration plant in a duration of four and a half years.

CHAPTER – IV

REVIEW OF PAST PERFORMANCE OF CENTRAL PUBLIC SECTOR ENTERPRISES 2012-13 and 2013-14 (up to 31.03.2014)

4.1. DEPARTMENT OF HEAVY INDUSTRY

2012-13 (Rs. in crore)

S. No.	Name of Scheme/Programme	Actual expenditure (Plan)	Projected deliverables/physical outputs	Actual Achievement (Outcomes/deliverables/physical outputs)	Reasons for variation
1.	National Automotive and R&D Infrastructure Project (NATRiP)	Rs. 341.94	The project includes up-gradation of existing facilities at Automotive Research Association of India (ARAI), Pune and at Vehicle Research and Development Establishment (VRDE); and setting up testing facilities in Northern and Southern part of the country. The following activities were to be undertaken:- (i) Civil work at various locations (ii) Procurement of equipments for various labs. (iii) Execution as per Detailed Project Implementation Report (DPIR) (iv) Installation of equipment at ARAI/ICAT, Manesar/Silchar /GARC (Chennai) and Civil work at various location & such as Silchar, GARC(Chennai), iCAT, Manesar including completion of outstanding work targeted in previous years.	(i) Silchar Centre Completed. (ii) <u>For other sites</u> :- a) Civil works were on final stage. b) Equipment were installed on the centres. c) Some labs (MACD) and photometry lab, Powertrain-Shed, Passive safety lab completed for testing.	Technological and contractual issues.

S. No.	Name of Scheme/Programme	Actual expenditure (Plan)	Projected deliverables/physical outputs	Actual Achievement (Outcomes/deliverables/physical outputs)	Reasons for variation
2.	Restructuring of CPSEs/Autonomous Bodies and Project Based Support and schemes towards promotional measures, modernization of office, IT, NER including Addition, Modification, Replacement, Professional Services etc.	Rs.62.10	<p>1. Putting up 28 CPSEs of DHI before Board for Reconstruction of Public Sector Enterprises (BRPSE) / Cabinet.</p> <p>2. Implementation of E- governance.</p>	<p>(i)28 CPSEs of DHI placed before BRPSE. Govt. have approved revival in case of 18 CPSEs.</p> <p>(ii)Rs. 60.00 crores (plan) were released to NEPA Ltd. for its restructuring and revival in the form of 7% non-cumulative preference share capital for implementing of VRS to 352 employees.</p> <p>(iii)Rs. 2.10 crore funds were utilised for the purchasing of equipment etc.for the implementation of e-governance.</p>	The process of revival can be initiated only after the approval of the CCEA. Thus, cases of CPSEs were taken as per the schedule of meetings of CCEA.

2013-14 (Rs. in crore)

S. No .	Name of Scheme/Programme	Actual expenditure (Plan)	Projected deliverables/physical outputs	Actual Achievement (Outcomes/deliverables/physical outputs)	Reasons for variation
1.	National Automotive and R&D Infrastructure Project (NATRiP)	NIL	<p>The project includes up-gradation of existing facilities at Automotive Research Association of India (ARAI), Pune and at Vehicle Research and Development Establishment (VRDE); and setting up testing facilities in Northern and Southern part of the country and of test track as main components. The following activities were to be undertaken:-</p> <p>(i) Civil work at various locations (ii) Ordering / receipt of equipments for various labs. (iii) Execution as per Detailed Project Implementation Report (DPIR) (iv) Installing equipment at ARAI/ICAT, Manesar/GARC, Chennai/ and Civil work at various location such as GARC(Chennai), iCAT, Manesar including completion of outstanding work targeted in previous years.</p>	<p>(i) Execution as per Detailed Project Implementation Report (DPIR)</p> <p>(ii) ICAT Centre-MACD Lab, PWT4- SHED facility, PAS lab Commissioned and Civil work for Fatigue & Certification Lab, Client workshop & General storage Building completed. (iii) NCVRS Raebareilly Centre- Payment of Rs. 38.74 crore paid towards acquisition of land. (iv) NATRAX Indore Centre-Vehicle Dynamics lab is commissioned.</p>	Technological and contractual issues.

S. No.	Name of Scheme/Programme	Actual expenditure (Plan)	Projected deliverables/physical outputs	Actual Achievement (Outcomes/deliverables/physical outputs)	Reasons for variation
2.	Restructuring of CPSEs/Autonomous Bodies and Project Based Support and schemes towards promotional measures, modernization of office, IT, NER including Addition, Modification, Replacement etc.	Rs. 498.29	<p>1. Putting up 28 CPSEs of DHI before Board for Reconstruction of Public Sector Enterprises (BRPSE) / Cabinet.</p> <p>2. Implementation of E- governance.</p>	<p>(i) 28 CPSEs of DHI placed before BRPSE. Govt. have approved revival in case of 19 CPSEs.</p> <p>(ii) Rs. 228.46 crores (plan) were released to HMT Ltd. for technology up-gradation, working capital and repayment of liabilities, stamp duty, bridge loan at the rate of 7% interest for first year.</p> <p>(iii) Rs. 100.00 crore (plan) to Nagaland Pulp & Paper Co. Ltd. (NPPC) for release of an advance as equity share capital.</p> <p>(iv) Rs. 47.23 cr. as Grant to Cachar Paper Mill (CPM) to meet 90% transport cost due to gauge conversion towards mitigating hardships in transporting raw material and finished goods.</p> <p>(v) Rs. 58.50 crore to Hindustan Paper Corporation (HPC) towards working capital requirement.</p> <p>(vi) Rs. 0.66 crore to Fluid Control Research Institute (FCRI) for implementation of the project creation of high pressure valves test facility to perform valve coefficient, pressure recovery factor and cavitation testing in control valves.</p> <p>(vii) Rs. 31.90 crore and Rs. 20.00 to Scooter India Ltd. (SIL) for Capital expenditure under the approved revival package by Cabinet/DIFR.</p> <p>(viii) Rs. 1.50 crore & Rs. 0.50 crore to Hindustan Salts Ltd. (HSL) for plan projects.</p> <p>(ix) Rs. 8.10 crore to NEPA Ltd. as equity for part implementation of RMDP in the company.</p> <p>(x) Rs. 1.44 crore funds were utilised for the purchasing of equipment etc. for the implementation of e-governance.</p>	The process of revival can be initiated only after the approval of the CCEA. Thus, cases of CPSEs were taken as per the schedule of meetings of CCEA.

1. ANDREW YULE & COMPANY LIMITED (AYCL)

(₹ crore)

Sl.No.	Particulars	2012-13			2013-14		
		Target	Achievement	Reason for variation	Target	Achievement	Reason for variation
1	2	3(i)	3(ii)	3(iii)	4(i)	4(ii)	4(iii)
1	Income from Operations [Net]	241.67	311.15		320.00	333.34	
2	Gross Margin	32.97	29.84	Due to low value added product mix.	30.70	43.25	-
3	Net Profit before Tax	16.60	14.00		11.50	26.70	
4	Profit after Tax	13.95	11.35		9.20	21.36	

2. BHARAT HEAVY ELECTRICALS LIMITED (BHEL)

(₹ in Crore)

S.No	Particulars	2012-13			2013-14 (Provisional)		
		Target	Achievement	Reasons for Variation	Target	Achievement	Reasons for Variation
1	2	3(i)	3(ii)	3(iii)	4(i)	4(ii)	4(iii)
1.	Income from Operations (Net) (Turnover)	47000	50156		43000	40366	Non- receipt of fresh orders as targeted and hold on existing orders due to subdued market conditions have affected the operations.
2.	Gross Margin	10923	10511	Reduction in Value addition as inventory (FG/ WIP) could not be built up as compared to target due to non- receipt of fresh orders as targeted, hold on existing orders besides increase in provision for LD as per company policy.	6849	5796	Lower level of operations as explained above and reduction in inventory (FG/ WIP) as compared to target besides increase in provision as per accounting standards / company policy.
3.	Net Profit Before Tax	9961	9432		5579	4678	
4.	Profit After Tax	6705	6615		3935	3228	

3. THE BRAITHWAITE BURN AND JESSOP CONSTRUCTION. CO., LTD. (BBJ)

(₹ in Crore)

Sl No	Particulars	2012-13			2013-14		
		Target	Achievement	Reason for variation	Target	Achievement(Prov.)	Reason for variation
	2	3 (i)	3 (ii)	3 (iii)	4 (i)	4 (ii)	4 (iii)
1	Gross Production	200.00	302.11	Exceeded the targets	240.00	268.00	Exceeded the targets
2	Net Profit (before tax)	7.30	58.37		8.89	66.00	

4. BHARAT BHARI UDYOG NIGAM LTD. (BBUNL)

(₹ in Crore)

Sl No	Particulars	2012-13			2013-14		
		Target	Achievement	Reason for variation	Target	Achievement (Prov.)	Reason for variation
	2	3 (i)	3 (ii)	3 (iii)	4 (i)	4 (ii)	4 (iii)
1	Gross Production	22.00	16.15	Inadequate manpower mobilization and delay in timely execution by the contractors affected the Production at RAU/BAU projects. Also delay in getting payment from PWD, Govt. of Tripura affected production for RCC bridge project	20.00	10.86	Inadequate manpower mobilization and delay in timely execution by the contractors affected the Production at RAU/BAU projects. Also delay in getting payment from PWD, Govt of Tripura affected Production for RCC bridge project.
2	Net Profit (before tax)	0.09	0.46	Exceeded the Targets	0.02	4.29	Net profit (PBT) includes dividend income received in 2013-14 from BBJ for F.Y 2012-13 of ₹4.05 Cr.

5. BHARAT PUMPS & COMPRESSORS LIMITED (BPCL)

(₹ in Crore)

S.No	Particulars	2012-13			2013-14(as on 31 st March 2014) “Provisional”		
		Target	Achievement	Reason for variation	Target	Achievement	Reason for variation
1	2	3(i)	3(ii)	3(iii)	4(i)	4(ii)	4(iii)
1	Income from operations(Net)	280.00	129.02	i) Insufficient inflow of orders ii) Delay in receipt of major casting /Forgings	235.00	147.05	i) Due to fund constraints. ii) Availability of material affected due to fund constraints iii) Slowdown in demand for Industrial gas cylinders.
2	Gross Margin	35.00	-18.84	-	28.50	0.26	
3	Net Profit Before Tax	15.75	-26.76	-	13.13	-12.47	-
4	Profit after tax	9.71	-27.91	-	8.66	-12.47	-

6. BRIDGE & ROOF LTD. (B&R)

(₹ in Crore)

S. No	Particulars	2012-13			2013-14(Unaudited Provisional)		
		Target	Achievement	Reason for variation	Target	Achievement	Reason for variation
1	2	3(i)	3(ii)	3(iii)	4(i)	4(ii)	4(iii)
1	Income from Operations(Net)	1550.00	1318.94	Economic slowdown and entry of large number of construction companies both big and small leading to a highly competitive market resulting in lower margin.	1600.00	1399.36	Economic slowdown and entry of large number of onstruction companies both big and small leading to a highly competitive market resulting in lower margin.
2	Gross Margin	124.00	90.95		132.00	61.64	
3	Net Profit Before Tax	78.00	56.03		80.00	26.40	
4	Profit After Tax	53.00	38.40		54.00	17.43	

7. CEMENT CORPORATION OF INDIA LIMITED (CCIL)

(Rs in crore)

Sl.no	Particulars	2012-13			2013-14		
		Target	Achievement	Reason for variation	Target	Achievement	Reason for variation
1	2	3(i)	3(ii)	3(iii)	4(i)	4(ii)	4(iii)
1	Income from operations (net)	398.45	319.64	Sales target, Gross Margin and Net Profit declined due to lower realisation as compared to increase in cost of production as sluggish in cement demand, Plant shutdown at TDO Unit.	379.87	364.44	Physical & financial performance is lower due to adverse marketing conditions i.e. lower demand resultant, under utilization of capacity ,price pressure etc.
2	Gross Margin	31.26	21.96		22.31	20.98	
3	Net Profit Before Tax	23.11	8.11		8.93	11.54	
4	Profit After Tax	23.11	8.11		8.93	11.54	

8. ENGINEERING PROJECTS (INDIA) LIMITED (EPI)

(₹ in crore)

Sr. No.	Particulars	2012-13			2013-14 (Un Audited)		
		Target	Achievement	Reason for Variation	Target	Achievement	Reason for Variation
1	2	3(i)	3(ii)	3(iii)	4(i)	4(ii)	4(iii)
1.	Income from Operations(Net)	1,6000.00	840.61	Due to delay in approval of designs/drawing Clients/Consultants MECON in respect of Bhilai projects, non availability of work fronts at various sites and also due to non availability of funds with some of clients.	1,125.00	902.88	The shortfall from the Target Turnover is on account of non availability of work fronts at various sites and non availability of funds with some of the clients
2.	Gross Margin	45.20	38.89	The decrease is due to corresponding decrease in the Income from operations	40.00	39.79	The decrease is due to corresponding decrease in the Income from operations
3.	Net Profit Before Tax	41.70	31.65	The decrease is due to corresponding decrease in the Income from operations	35.13	32.04	The decrease is due to corresponding decrease in the Income from operations
4.	Profit After Tax	28.17	21.46	The decrease is due to corresponding decrease in the Income from operations	23.84	21.74	The decrease is due to corresponding decrease in the Income from operations

9. HINDUSTAN MACHINE TOOLS LTD (HMT)

(₹ in Crore)

Company / Subsidiary	Audited Performance 2012-13						Reasons for Variations
	Production		Sales		PBT #		
	Target	Act.	Target	Act.	Target	Act.	
HMT Limited – Holding Company (Including Tractors)	308.10	63.05	317.55	99.42	-72.21	-145.38	Delay in Revival Plan Sanction, Working Capital Constraints, Supply Chain Delays
HMT Machine Tools Limited.	340.00	218.05	340.00	213.01	4.55	-43.65	Working Capital Constraints
HMT Watches Limited.	18.00	14.03	18.00	11.76	-254.30	-242.47	Inadequate Distribution Channel, Working Capital Constraints, Lack of Sales promotion
HMT Chinar Watches Limited.	0.00	0.00	0.50	0.32	-35.13	-51.16	No Production Activity
HMT Bearings Limited	15.89	11.73	15.85	10.89	-13.10	-10.17	Working Capital Constraint
HMT (International) Limited.	-	-	44.00	34.09	3.17	6.85	Product Availability, delay in dispatches, less orders
Total	681.99	306.86	735.90	369.49	-367.02	-485.98	

#With EOI

Production Performance & Financial Results in 2013-14

(₹ in Crore)

Company / Subsidiary	Un Audited Performance 2013-14						Reasons for Variations
	Production		Sales		PBT #		
	Target	Act.	Target	Act.	Target	Act.	
HMT Limited – Holding Company (Including Tractors)	213.20	74.11	220.44	78.59	-107.34	235.27	Delay in Sanctioning of Funds for Revival Plan, Working Capital Constraints, Supply Chain Delays, Distribution Network Breakdown
HMT Machine Tools Limited.	246.75	155.56	250.00	159.48	-28.16	-84.79	Working Capital Constraints, Supply Chain Delays, Despatch clearance delays, Paucity of Manpower
HMT Watches Limited.	18.25	4.70	18.25	7.69	-254.87	-249.54	Inadequate Distribution Channel, Working Capital Constraints, Lack of Sales promotions
HMT Chinar Watches Limited.	0.00	0.00	0.80	0.24	-44.17	-50.65	No Production Activity
HMT Bearings Limited	13.80	15.04	12.46	14.38	-13.18	-13.22	Nil
HMT (International) Limited.	-	-	45.00	25.77	6.56	0.30	Delay in Finalisation of MEA project orders, Supply delays
Total	492.00	249.41	546.95	286.15	-441.16	-162.63	

#With EOI

10. HEAVY ENGINEERING CORPORATION LTD (HEC)

(₹ in Crore)

SI No	Particulars	2012-13			2013-14		
		Target	Achievement	Reasons for variation	Target	Achievement	Reasons for variation
1	2	3(i)	3(ii)	3(iii)	4(i)	4(ii)	4(iii)
1(a)	Net Turnover	946.81	682.83	Poor availability and productivity of equipment/ facilities due to aging and delay in upgradation program.	930.03	385.74	Poor availability and productivity of equipment/ facilities due to aging and delay in upgradation program Acute Shortage of Working Capital
1(b)	Gross Sales	1000.00	740.47		1001.00	413.39	
2	Gross Margin	61.00	36.55	Reduction in Sales resulted in reduced profitability.	66.00	-118.29	Reduction in Sales and increase in fixed cost resulted in loss.
3	Net Profit before Tax	41.88	20.38		40.71	-137.09	
4	Profit After Tax	41.88	20.38		20.53	-137.09	

11. HINDUSTAN PAPER CORPORATION LTD. (HPC)

(₹ in Crore)

Particulars	2012 - 13			2013 - 14		
	Target	Achievement	Reason for variation	Target	Achievement	Reason for variation
2	3(i)	3(ii)	3(iii)	4(i)	4(ii)	4(iii)
Units of HPC	74.30	0.34	The Projects though considered but not taken up owing to non-allotment of budgetary support	39.30	-	The Projects though considered but not taken up owing to non-allotment of budgetary support
1. Cachar Paper Mill (CPM)						
2. Nagaon Paper Mill (NPM)						

12. HINDUSTAN NEWSPRINT LIMITED (HNL)

Particulars	2012 - 13			2013 - 14		
	Target	Achievement	Reason for variation	Target	Achievement	Reason for variation
2	3(i)	3(ii)	3(iii)	4(i)	4(ii)	4(iii)
HNL	10.33	1.51	The Projects though considered but not taken up owing to non-allotment of budgetary support	41.00	2.95	The Projects though considered but not taken up owing to non-allotment of budgetary support

13. HINDUSTAN PHOTOFILMS MANUFACTUREING LTD. (HPF)

(₹ in Crore)

S. N	Particulars	2012-13			2013-14		
		Target	Achievement	Reasons for variation	Target	Achievement	Reasons for variation
1	2	3(i)	3(ii)	3(iii)	4(i)	4(ii)	4(iii)
1	Income from Operations (Net)	69.00	3.74	*Non approval of the Revival proposal of HPF	24.00	1.23	* Complete erosion of Working Capital
2	Gross margin	(-)1.38	(-)16.81		(-)11.91	(-)21.50	*Production operations affected due to Disconnection of main power connection for non-payment of electricity bill
3	Net Profit before Tax	(-) 4.78	(-) 1565.32		(-) 1735.15	(-)1829.83	
4	Profit After Tax			*Production operations affected due to lack of funds and low morale of employees on delay of Revival / wage Revision * Difficulty in sourcing raw material at viable prices and Increasing input Costs * Non-level playing field conditions			* Difficulty in sourcing raw material at viable prices and Increasing input Costs * Non-level playing field conditions

14. HINDUSTAN SALTS LIMITED (HSL)

(₹ in Crore)

S.No	Particulars	2012-13			2013-14		
		Target	Achievement	Reason for variation	Target	Achievement	Reason for variation
1	2	3	4	5	6	7	8
1.	Turnover	15.79	8.23	-	13.02	6.89	Due to Production, lack technically professional qualified staff non-availability fund.
2.	Gross Margin	3.35	3.32	-	3.47	2.50	
3.	Net Profit Before Tax	0.70	0.74	-	0.50	0.17	
4.	Net Profit After Tax	0.70	0.74	-	0.50	0.17	

15. INSTRUMENTION LIMITED KOTA (ILK)

(₹ in Crore)

S. No.	Particulars	2012-13		Reason for Variation	2013-14		Reason for Variation
		Target	Achievement		Target	Achievement	
1	2	3(i)	3(ii)	3(iii)	4(i)	4(ii)	4(iii)
1	Income from Operation (Net)	220.00	192.45	Acute shortage of working capital	185.00	159.71	All efforts are being made in maximizing the turnover for the year. However, working capital is major constraints for shortfall in turnover.
2	Gross Margin	(26.85)	(31.75)		(28.50)	(32.74)	
3	Net Profit Before Tax	(44.85)	(54.09)		(51.45)	(55.22)	
4	Profit After Tax	(44.85)	(54.09)		(51.45)	(55.22)	

16. NEPA LIMITED

(₹ in Crore)

Sr. No.	Particulars	2012-13			2013-14		
		Target	Achievement	Reason for variation	Target	Achievement	Reason for variation
1	2	3 (i)	3 (ii)	3 (iii)	4 (i)	4 (ii)	4 (iii)
1.	7% Non-cumulative preference share for implementation of VRS for 400 employees.	60	55.02	<ul style="list-style-type: none"> ➤ Only ₹ 55.02 crore was utilised for implementation of VRS. ➤ Total 378 employees were relieved through VRS and 15 employees were not relieved due to shortage of skilled man power for successful implementation of RMDP. ➤ Balance amount along with interest returned over to DHI. 	-	-	-
2.	Fresh Equity to meet part finance of Capital Expenditure.	-	-	-	1.10	1.58	Balance amount of ₹ 6.52 Crore shall be utilised in Q 1 of FY 2014-15.
3.	Cash loss during implementation of RMDP	-	-	-	17.18	-	-
4.	Loan from financial institutions to meet part finance of Capital Expenditure.	-	-	-	4.00	-	Nepa is pursuing with SBI & BOI to get required fund.

17. RICHARDSON & CRUDDAS (1972) LTD (R&C)

(₹ in Crore)

Sr. No.	Particulars	2012-13			2013-14		
		Target	Achievement	*Reason for Variation	Target	Achievement	*Reason for Variation
1	2	3(i)	3(ii)	3(iii)	4(i)	4(ii)	4(iii)
1.	Income from Operations(Net)	128.00	125.93	(2.07)	75.00	79.98	4.98
2.	Gross Margin	19.00	13.40	(5.56)	12.37	21.33	8.96
3.	Net Profit Before Tax	(13.05)	(17.39)	(4.34)	(20.33)	(15.38)	(4.95)
4.	Profit After Tax	(13.05)	(29.49)	(16.44)	(20.33)	(15.38)	(4.95)

***Reasons for Variation**

1. M/s.Kilburn Engg. has vacated our Mulund Unit w.e.f.01.04.2012. & shifted to their own new premises.
2. Orders from L & T at Mulund, BHEL at Chennai & Nagpur has substantially reduced due to slowdown in Economy & Engineering sector.

18. RAJESTHAN ELECTRONICS & INSTRUMENTS LIMITED, JAIPUR (REIL)

(₹ in Crore)

S.No.	Particulars	2012-13			2013-14(Provisional Unaudited)		
		Target	Achievement	Reason for variation	Target	Achievement	Reason for variation
1	2	3(i)	3(ii)	3(iii)	4(i)	4(ii)	4(iii)
1	Income from Operations (Net)	195.00	239.62	More orders	225.00	216.16	Less orders in Rupee due to reduction in prices of Solar PV modules though there is a increase in the volume.
2	Gross Margin	15.00	41.77	More turnover	18.00	23.00	More sales of high value products.
3	Net Profit Before Tax	10.50	39.29	More turnover	13.12	20.50	Less finance cost.
4	Profit After Tax	7.00	26.37	More turnover	8.70	13.53	As above
5	Modernisation of Electronics and IT Business Infrastructure	2.50	3.75	Addition of some more items was required for modernization, however excess amount met from internal resources.			
6	Modernisation of Electronics and IT Business Infrastructure				3.00	0.50	During 2012-13 excess amount was incurred of ₹ 1.25 Crore thereby making total expenditure of ₹ 1.75 Crore. Less expenditure is due to non requirement of the items envisaged earlier.

19. SAMBHAR SALTS LIMITED (SSL)

(₹ in Crore)

S.No.	Particulars	2012-13			2013-14		
		Target	Achievement	Reason for variation	Target (Whole Year)	Achievement	Reason for variation
1	2	3	4	5	6	7	8
1	Income from Operations (Net)	41.87	16.66	-	34.10	10.20	Due to less production, lack of technically professional qualified staff and non-availability fund.
2	Gross Margin	5.87	2.56	-	5.18	1.76	
3	Net Profit Before Tax	0.28	0.30	-	0.73	-1.66	
4	Profit After Tax	0.28	0.30	-	0.73	-1.66	

20. SCOOTERS INDIA LTD (SIL)

(₹ in Crore)

S.No.	Particulars	2012-13			2013-14		
		Target	Achievement	Reasons for variation	Target	Achievement	Reasons for variation
1	2	3(i)	3(ii)	3(iii)	4(i)	4(ii)	4(iii)
	<u>Physical Performance</u>						
	Production of 3 Wheeler (in Nos.)	18,500	15,807	Material Constraints	18,000	14,584	1. Down trend in 3 wheeler market (negative growth of 10.5%) 2. Production linked to likely off take from market with modulation of product mix of different models.

4.2 DEPARTMENT OF PUBLIC ENTERPRISES.

(₹ in Crore)

REVIEW OF PAST PERFORMANCE - 2012-13						
Sl. No.	Name of Scheme	Objective/Outcome	Actual Exp. 2012-13	Quantifiable Deliverable	Achievement	Reasons for variation
1	Scheme of Copunselling, Retraining & Redeployment (CRR)	Redeployment of separated employees of CPSEs through counselling and short duration training.	5.06	Coverage of 8000 VRS optees of CPSEs for counselling and training was targeted.	7506 VRS were optees covered.	Shortfall in achievement due to non-identification of VRS optees by a few agencies.
2	Scheme of Research, Development & Consultancies (RDC)	To undertake research, studies, seminars, workshops etc. on generic issues of CPSEs and bringing out annual survey on SLPEs.	0.35	(i) Meeting of the Standing Committee of Secretaries of BPEs in States/UTs. (ii) Workshop on Revised Data Sheet Format for PE Survey (iii) Workshop on PMS. (iv) Workshop on Pension Scheme. (v) 4 workshops on CSR.	(i) Meeting of the Standing Committee of Secretaries of Bureau of Public Enterprises (BPEs) was held in States/UTs held in New Delhi. (ii) Workshop for CPSEs was held in New Delhi on Revised Data Sheet Format for PE Survey. (iii) Workshop on PMS held at Vishakhapatnam. (iv) Workshop on Pension held at Hyderabad. (v) 2 Workshops was held in New Delhi	Does not arise

Sl. No.	Name of Scheme	Objective/ Outcome	Actual Exp. 2012-13	Quantifiable Deliverable	Achievement	Reasons for variation
				vi) Seminar on Training Need Assessment in SLPEs.	Hyderabad. (v) 2 Workshops was held in New Delhi and one each at Hyderabad and Mumbai. (vi) Seminar on Training Need Assessment in SLPEs was held in New Delhi.	
3	Scheme for Skill Development / Training programme to executives/ employees of SLPEs.	To impart training/knowledge to the Managers / Executives / Employees of SLPEs for improving their skills to enhance the overall productivity of the enterprise.	0.05	The target was to hold training programmes for executives and employees in SLPEs.	Five training programmes were held at Bhopal, Delhi, Shimla, Bengaluru and Hyderabad.	Does not arise.

REVIEW OF PAST PERFORMANCE - 2013-14

(₹ in Crore)

Sl. No.	Name of Scheme	Objective/Outcome	Actual Exp. 2013-14	Quantifiable Deliverable	Achievement	Reasons for variation
1	Scheme of Counselling, Retraining & Redeployment (CRR)	Redeployment of separated employees of CPSEs through counselling and short duration training.	4.73	Coverage of 3000 VRS optees of CPSEs for counselling and training was targeted.	3340 VRS optees covered.	Does not arise
2	Scheme of Research, Development & Consultancies (RDC)	To undertake research, studies, seminars, workshops etc. on generic issues of CPSEs and bringing out annual survey on SLPEs.	0.68	(i) Interaction meeting with on enhancing professionalisation of CPSEs. (ii) 2 Workshops on Capacity Building for NODs. (iii) Study to review Implementation of APA of Top Management Incumbent of CPSEs. (iv) Organising 4 Seminars on CSR & Sustainability. (v) Printing of National Survey on SLPEs for the year 2008-09 & 2009-10	(i) Interaction meeting held in Delhi. (ii) 4 such Workshops were held, two at Delhi and 1 each at Bangalore and Mumbai. (iii) Review process completed with help of CPSEs and In-house arrangement. (iv) 4 Seminars held at Kolkata, Bangalore, Hyderabad and Tehri. (v) SLPE Survey covering the years 2008-09 & 2009-10 was published and released in October, 2013.	Does not arise

Sl. No.	Name of Scheme	Objective/Outcome	Actual Exp. 2013-14	Quantifiable Deliverable	Achievement	Reasons for variation
3	Scheme for Skill Development / Training programme to executives/employees of SLPEs.	To impart training/knowledge to the Managers / Executives / Employees of SLPEs for improving their skills to enhance the overall productivity of the enterprise.	0.46	Target was to hold 4 Training Programmes.	Five training programmes on Strategic Thinking and Leadership for Senior Managers of SLPEs and Project Management for Execution Excellence were held at Indian Institute of Management (IIM), Kolkata and Lucknow and Project Management Institute, Delhi.	Does not arise

CHAPTER-V
FINANCIAL REVIEW

5.1 DEPARTMENT OF HEAVY INDUSTRY

5.1.1 The Department of Heavy Industry administers 32 operating Public Sector Enterprises (PSEs). The details of actuals of 2010-11, 2011-12, 2012-13, BE 2013-14, RE 2013-14, actuals 2013-14, BE 2014-15, outstanding Utilization Certificates and Unspent Balance in respect of Department of Heavy Industry are as follows:-

(₹ In crore)

Sl. No.	Demand No. 51- Department of Heavy Industry		Actual 2010-11		Actual 2011-12		Actual 2012-13		BE 2013-14		RE 2013-14		Actual 2013-14		BE 2014-15	
			Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan
		Revenue	236.76	89.28	357.06	36.37	344.03	24.35	417.44	43.97	54.79	212.51	49.33	212.30	628.94	43.62
		Capital	36.00	604.43	-	291.87	60.00	334.89	167.56	400.00	450.13	537.49	448.96	380.12	171.06	400.00
		Total	272.76	693.70	357.06	328.94	404.03	359.24	585.00	443.97	504.92	750.00	498.29	592.42	800.00	443.62
	Scheme wise details															
	Scheme/Item/Programme															
	Revenue Section															
1.	Secretariat Economic Service		1.25	14.56	1.66	14.06	2.09	14.51	3.50	16.96	1.90	16.08	1.44	15.95	5.00	17.61

Sl. No.	Demand No. 51- Department of Heavy Industry	Actual 2010-11		Actual 2011-12		Actual 2012-13		BE 2013-14		RE 2013-14		Actual 2013-14		BE 2014-15	
		Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan
	Industries														
2.	-	-	-	-	13.54	-	5.30	-	14.00	-	10.00	-	10.00	-	4.50
(a)	Grant-in-aid for creation of Capital Assets to Development Council of Automobile & Allied Industries (DCAAI)														
(b)	-	-	-	4.76		2.95		-	10.00	-	2.00	-	2.00	-	17.00
	Grant-in-aid General to Development Council of Automobile & Allied Industries (DCAAI)														
(c)	Contributions to UNIDO under Development Council of Automobile & Allied Industries (DCAAI)													-	2.50
3.	Payment of pension & liabilities to the employees of HSL	-	2.00	-	3.12			-	2.00	-	1.92	-	1.84	-	2.00
4.	National Automotive Testing and R&D Infrastructure Project	232.14	-	355.38	-	341.94	-	341.94	-	-	-	-	-	426.93	-
5.	Modernization of Capital Goods (Grant-in-aid)	-	-					70.00	-	5.00	-	-	-	25.00	-
6.	Grant for creation of Capital Assets to FCRI	2.25	-					2.00	-	0.66	-	0.66	-	2.00	-

Sl. No.	Demand No. 51- Department of Heavy Industry	Actual 2010-11		Actual 2011-12		Actual 2012-13		BE 2013-14		RE 2013-14		Actual 2013-14		BE 2014-15	
		Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan
7.	Grant-in-aid General to HPC (Cachar Paper Mill)	-	-					-	-	47.23	-	47.23	-	70.00	-
8.	Grant-in-aid to BYNL			-	0.19										
9.	Grant-in-aid to NIDC			-	0.07										
10.	Grant-in-aid General to HEC	-	-					-	-	-	182.43	-	182.43	-	-
11.	Grant-in-aid to Industrial association and PSUs for undertaking promotional activities	1.12	-												
12.	Testing infrastructure and R&D projects for Electric Vehicle (Grants-in-aid General)													0.01	-
13.	Development of Advanced Ultra Super-critical (Adv-USC) Technology for Thermal Power Plants (Grants-in-aid General)													100.00	-
14.	Other Expenditure	-	-					-	0.01	-	-	-	-	-	-
	Revenue (Total)	236.76	89.28	357.06	36.37	344.03	24.35	417.44	43.97	54.79	212.51	49.33	212.30	628.94	43.62
	Capital Section														
15	Scheme for NER & Sikkim –Investment in Hindustan Paper Corporation Ltd.	0.00	0.00					58.50	-	158.50	-	-	-	25.00	-

Sl. No.		Actual 2010-11		Actual 2011-12		Actual 2012-13		BE 2013-14		RE 2013-14		Actual 2013-14		BE 2014-15	
		Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan
	Budgetary Support to CPSEs														
	Investment in CPSEs														
16.	Investment in Cement Corporation of India Ltd.(CCI)							0.01	-	0.01	-	-	-	-	-
17.	Investment in Scooters India Ltd. (SIL)							31.90	-	31.90	-	31.90	-	31.06	-
18.	Investment in Instrumentation Ltd., Kota (ILK)	8.57	-					0.01	-	0.01	-	-	-	-	-
19.	Investment in Heavy Engineering Ltd.(HEC)							0.01	-	-	-	-	-	-	-
20.	Investment in HMT Ltd.							-	-	217.01	-	217.00	-	-	-
21.	Investment in BBUNL	25.43	-												
22.	Investment in Hindustan Paper Corporation Ltd.(NPPC)							-	-	-	-	100.00	-	25.00	-
23.	Investment in Jagdishpur Paper Mill (a subsidiary of HPC)							0.01	-	0.01	-	-	-	55.00	-
24.	Investment in Hindustan Salts Limited (HSL)							1.50	-	1.50	-	1.50	-	5.00	-
25.	Investment in NEPA Ltd.					60.00	-	-	-	0.01	-	8.10	-	50.00	-
26.	Investment in HPF	1.00	-												
	Implementation of Revival Scheme of PSEs (Lumpsum provision)	-	-					-	150.00	-	145.38	-	-	-	150.00

Sl. No.		Actual 2010-11		Actual 2011-12		Actual 2012-13		BE 2013-14		RE 2013-14		Actual 2013-14		BE 2014-15	
		Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan
	Implementation of VSS/VRS and Payment of Statutory Dues (Lumpsum Provision)	-	-					-	250.00	-	35.54	-	-	-	250.00
27.	Loans to Scooters India Ltd. (SIL)	-	46.80	-	8.08	-	1.89								
28.	Loans to Hindustan Cables Ltd.(HCL)	-	108.96	-	95.38	-	118.93	-	-	-	52.89	-	100.26	-	-
29.	Loans to HMT Ltd.	-	399.28	-	145.69	-	172.34	0.03	-	11.49	43.13	11.46	110.64	-	-
30.	Loans to Bharat Yantra Nigam Ltd. (R&C)			-	0.31			0.01	-	0.01	-	-	-	-	-
31.	Loans to Bharat Bhari Udyog Nigam Ltd. (BBUNL & BBJ)							0.04	-	0.04	-	-	-	-	-
32.	Loans to Triveni Structural Ltd. (TSL)	-	2.88	-	3.15	-	3.44	-	-	-	1.68	-	3.21	-	-
33.	Loans to Tungbhadra Steel Project Ltd (TSPL)	-	2.43	-	2.49	-	2.62	0.01	-	0.01	1.26	-	3.97	-	-
34.	Loans to Hindustan Paper Corporation Ltd. (NPPC & HNL)	-	3.61	-	8.81	-	8.24	0.02	-	0.02	79.78	58.50	83.49	-	-
35.	Loans to NEPA Ltd.	-	28.20	-	27.96	-	27.43	54.00	-	8.10	21.33	-	51.25	-	-
36.	Loans to Hindustan Salts Ltd. (HSL)							1.50	-	1.50	-	0.50	-	5.00	-
37.	Loans to Hindustan Photo Films (HPF)	1.00	12.27	-	-			0.01	-	0.01	156.50	-	27.30	-	-
	Total Capital	36.00	604.43	-	291.87	60.00	334.89	167.56	400.00	450.13	537.49	448.96	380.12	171.06	400.00
	Total Revenue +Capital	272.76	693.70	357.06	328.94	404.03	359.24	585.00	443.97	504.92	750.00	498.29	592.42	800.00	443.62

5.1.2 Utilization Certificates:

The details of outstanding UCs as on 31.03.2014 are as follows:-

(₹ In lakhs)

Year of sanction of Grant	Due		Utilization Certificates received		Utilization Certificates Outstanding	
	No.	Amount	No.	Amount	No.	Amount
1974-2000	0	0	0	0	0	0
2000-01	1	182.5	1	182.5	0	0
2001-02	0	0	0	0	0	0
2002-03	2	31	2	31	0	0
2003-04	6	257	5	237	1	20
2004-05	11	4078	10	3778	1	300
2005-06	29	23366	26	22706	2	660
2006-07	44	236675	44	236675	0	0
2007-08	8	1992.42	8	1992.42	0	0
2008-09	23	15800.41	23	15800.41	0	0
2009-10	23	17980.86	22	15421.86	1	*2559
2010-11	13	31022	12	19030	1	*11992
2011-12	18	37704	4	593	14	37111
Total-	178	369089.19	155	316447.19	23	52642

*Two number of UCs received amounting to Rs. 14551 lakhs in respect of NATRiP are provisional and still outstanding.

5.1.3 Unspent Balance

Status of Unspent Balance as on 31.03.2014 is as follows:-

(₹ In crore)

Sl. No.	Name of PSU	Unspent Balance as on 31.03.2014	
		Plan	Non-Plan
1	Cement Corporation of India Ltd.	16.79	0.00
2	Instrumentation Ltd. Kota	7.64	0.00
3	Development Council for Auto & Allied Industries	0.00	0.00
4	BBJ, Kolkata	0.00	0.00
5	BWEL	0.70	0.00
6	HMT Ltd.	71.15	0.00
7	Hindustan Salt Ltd. Jaipur	0.00	3.11
8	Hindustan Cables Ltd.	0.00	0.09
9	NATRiP	*177.17	0.00
10	FCRI	0.57	0.00
	Total	274.02	3.20
	Grant Total		277.22

*The Unspent Balance is in the form of Letters of Credit (LoC)

5.2 DEPARTMENT OF PUBLIC ENTERPRISES

The year wise Budget Estimate (B.E.), Revised Estimate (RE) & actual expenditure from 2009-10 to 2013-14 is given in the table below:-

Year	Budget Estimate			Revised Estimate			Expenditure as on 31.03.2014		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
2009-10	10.00	7.20	17.2	8.00	6.08	14.08	7.62	6.07	13.69
2010-11	10.50	5.22	15.72	10.33	7.85	18.18	9.41	7.70	17.11
2011-12	11.00	7.69	18.69	10.16	8.29	18.45	8.97	7.94	16.91
2012-13	13.00	8.93	21.93	10.00	8.99	18.99	6.16	8.83	14.99
2013-14	10.00	9.39	19.39	8.25	9.10	17.35	6.42	8.97	15.39

Details of BE 2013-14, RE 2013-14 and Expenditure 2013-14 are shown as under:

REVENUE SECTION	BE 2013-14		RE 2013-14		Expenditure	
	Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan
Sectt. Economic Services	--	9.39	--	9.10	--	8.97
Information Technology	0.70	--	0.55	--	0.55	--
North East Areas	1.00	--	0.82	--	--	--
Industries - Plan schemes		--		--		--
1. Counselling, Retraining & Redeployment (CRR)	7.00	--	5.40	--	4.73	--
Research, Development & Consultancies	0.50	--	0.68	--	0.68	--
3. Skill Development,/ Training Programme	0.80	--	0.80	--	0.46	--
TOTAL	10.00	--	8.25	--	6.42	--

CHAPTER – VI

REVIEW OF PERFORMANCE OF STATUTORY AND AUTONOMOUS BODIES UNDER THE ADMINISTRATIVE CONTROL OF DEPARTMENT OF HEAVY INDUSTRY

6.1.1 The Automotive Research Association of India

The Automotive Research Association of India (ARAI), Pune is a Research organization established in 1966 by the Indian Vehicle and Automotive Ancillary Manufacturers and the Govt. of India under the administrative control of Department of Heavy Industry and recognized by Department of Scientific and Industrial Research for providing R&D, Testing, Certification and homologation services to automotive and allied industries. It is a registered society under the Societies Registration Act XXI of 1860 and major automobile and ancillary manufacturers are its members. It is an ISO 9001-2008, ISO 14001-2004, and OHSAS 18001-2007 certified organization, and is also accredited by National Accreditation Board for Testing and Calibration Laboratories (NABL) for its major certification facilities.

6.1.2 Major activities in 2013-14

The R&D projects undertaken by ARAI under Cess funding during 2013-14 are given below:-

1. Project on “Effect of deformation temperature on the microstructure and properties of hot forging materials”
2. Project on “Pre-competitive Consortium R&D Project on Light Weight City Bus”
3. R&D Project on Hybrid Electric Vehicle System

Of the above, Project at S. No. 1 was completed in the month of March 2014. The remaining two are ongoing projects.

(₹ In crore)

S. No.	Important Projects in hand	Sanctioned Cost	Scheduled Date of Completion	Total Cumulative Expenditure (Approx.) till the Beginning of the Year 2014-15	Total Expenditure Planned during 2014-15	Likely Date of Completion	Related Output and Outcome
1	Pre-competitive Consortium R&D Project on “Light Weight City Bus”	4.84	March 2014	1.67	3.17	March 2015	Investigation of structural designs, material selection and manufacturing technologies for aluminium intensive bus body conforming to Bus Body Code: AIS: 052, including joining techniques, crash impact properties and impact of design on ergonomics and aesthetic aspects. The final outcome of the project will be preparation of report with design guidelines.
2	R&D Project on “Hybrid Electric Vehicle Systems”	11.55	March 2015	2.12	9.53.52	March 2016	Development of Offline and Real time Simulator for Electric Vehicle/ Hybrid Electric Vehicle (EV/HEV) Sub-systems and extending the knowledge base to academia and industries

Review of Past Performances

(₹ In Crore)

S. No.	Particular (Project Name)	2012-13			2013-14		
		Target	Achievement	Reason for Variation	Target	Achievement	Reason for Variation
1	Measurement of Wheel Forces for 4-W Automotive Vehicles & Study of their Correlation with Customer usage pattern	3.50	3.50	No Variation Project completed in March 2013	---	---	---
2	Study of Vehicle System Duty Cycle / Operation Pattern under Indian Road Conditions	3.25	3.17	No Variation Project completed in March 2013 Savings of 0.08 Crore surrendered to DHI	---	---	---
3	Effect of Deformation Temperature on the Microstructure and Properties of Hot Forging Materials	3.00	2.97	None	1.00	1.00	None
4	Pre-competitive Consortium R&D Project on “Light Weight City Bus”	2.00	1.02	Procurement of bus was envisaged initially in the project. However, Technical Sub-committee had suggested seeking	2.00	1.67	Based on the suggestion of Technical Sub-committee, process for identifying consultant for bridging technology gaps was initiated. However, committing utilization towards the consultancy would have implied non-availability of funds for other activities of the project and so, this variation.

S. No	Particular (Project Name)	2012-13			2013-14		
		Target	Achievement	Reason for Variation	Target	Achievement	Reason for Variation
				consultancy for bridging the identified technology gaps instead of the procurement. Accordingly, this procurement activity was dropped and hence, the variation.			Hence, release of balance amount of the project cost will facilitate carrying out of all remaining activities and smooth execution of the project
5	R&D Project on “Hybrid Electric Vehicle Systems”	0.75	0.75	None	5.28	1.37	As against a request for release of Rs.5.28 crore for 2013-14, an amount of Rs.0.25 crore was only released and hence, this variation.

6.2. FLUID CONTROL REASERCH INSTITUTE (FCRI)

6.2.1 Fluid Control Research Institute (FCRI) is an autonomous institute established by the Govt of India during 1984 with technical and economical assistance of United Nations Development Programme (UNDP).

The Institute was set up with the broad objectives of Development of Fluid Control Systems, Fluid Control Elements Research, and Development of Human Resources and Training in the field of flow engineering. In order to achieve the above mentioned objectives, the Institute is equipped with laboratories for Water Flow, Air Flow, Oil Flow, Physical Standards, Noise and Vibration, Material Testing, Instrumentation, etc.

FCRI an ISO 9001:2008 certified organisation has also obtained Accreditation from various National and International Agencies like NABL, NMI (Netherlands), Bureau of Indian Standards, Department of Science & Technology, Department of Scientific & Industrial Research, Department of Weights & Measures (Ministry of Civil Supplies), Chief Controller of Explosives, Underwriters Laboratory (USA), etc.

FCRI during the past years has emerged as a Centre of Excellence not only in India but for the whole of Asia. The Institute, one of its kind in South Asia and is on par with similar establishments in the developed countries as proved by the inter comparison studies conducted by FCRI with world's leading laboratories. As a premier facility in flow measurement related services and solutions, FCRI has the high-tech infrastructure facilities for industrial precision grade fluid flow measurement and control, testing & calibration of flow products, assessment of quality and reliability of flow measurement system. The Flow Centre at FCRI host traceable International standards for flow measurement, which are the most comprehensive set of flow facilities in the world and provide unique resources for industry in India. The Institute also acts as a national certifying authority for testing and calibration of all kinds of flow product devices, related measuring instruments and for flow measuring systems/electronics and instrumentation. It facilitates acquiring quality conformance as per the norms of ISO 9000/ISO 17025 series and for execution of sponsored R&D projects.

Through in-house R&D efforts, FCRI has successfully developed and transferred technical know how for a variety of products. More than 1000 organisations from different industries, spread all over India have benefited from FCRI's consultancy services which include design evaluation, quality improvement, establishment of appropriate flow measurement and control technology.

OVERALL PERFORMANCE OF FLUID CONTROL RESEARCH INSTITUTE (FCRI)

(₹ in crores)

Sl.No	Name of Scheme/programme	Objective/ Outcome	Annual Plan (2014-15)	Quantifiable Deliverables	Process / Timelines	Remarks
1	2	3	4	5	6	7
1	Creation of a High pressure valve test facility to perform valve coefficient, pressure recovery factor (F _L) and cavitation testing in control valves	To establish a test facility with National / International traceability to establish: <ul style="list-style-type: none"> • Pressure recovery factor of control valves • Valve coefficient at higher operating and • Cavitation performance of valves. 	2.05	High pressure valve test facility to perform valve coefficient, pressure recovery factor (F _L) and cavitation testing in control valves	3 years	
2	Setting up of Tribology Research Laboratory	To establish a Tribology Laboratory	2.00	A facility is meant for providing services to the industries like manufacturers of lubricants and greases such as refineries, automobile manufacturers and all engineering/ancillary industries	3 years	
3	Establishment of National Knowledge Resource Centre for Flow Product Industries	To establish/set up an Online Digital Information system/Infrastructure at FCRI on membership basis with active collaboration of manufacturing Industries	0.20	Digital information system with web server, web hosting/ networking and digital information sources/ products/ services	4 years	

Sl.No	Name of Scheme/programme	Objective/ Outcome	Annual Plan (2014-15)	Quantifiable Deliverables	Process / Timelines	Remarks
4	Automated Compressed Gas Cylinders test facility as per IS: 5844	To design, fabricate, install and commission a suitable hydrostatic stretch testing of compressed gas cylinders and related products from Indian Industry	0.34	A facility for testing Compressed Gas Cylinders as per IS: 5844	1 ¹ / ₂ years	
5	Inter Laboratory Comparison of Fluid Flow facilities	To conduct international inter comparison with similar international facilities to prove FCRI's capability of claimed uncertainty levels	0.20	Better credibility of FCRI	5 years	
6	Setting up of an information security system	To protect the information to ensure confidentiality, integrity and availability.	0.20	Information security system with suitable set of controls and software and hardware functions.	2 years	
			4.99			

REVIEW OF PAST PERFORMANCE 2012-13

(₹ in crores)

S.No	Name of the scheme/ programme	Objective/ Outcome	Outlay 2012-13			Quantifiable Deliverables/ Physical outputs	Projected Outcomes	Processes/ Timeliness	Remarks/ Risk Factors
			Non Plan Budget	Plan Budget	Complementary Extra Budgetary Resources				
1	2	3	4(i)	4(ii)	4(iii)	5	6	7	8
SCHEMES AIMED AT MAXIMIZING BENEFITS FROM THE EXISTING FACILITIES									
1	Establishment of National Knowledge Resource Centre for Flow Product Industries	To establish/set up an Online Digital Information system/Infrastructure at FCRI on membership basis with active collaboration of manufacturing Industries	--	--	0.30	Digital information system with web server, web hosting/ networking and digital information sources/ products/ services	Better transfer of knowledge between FCRI and user industries	4 years	Work in progress
2	Inter Laboratory Comparison of Fluid Flow facilities	To conduct international intercomparison with similar international facilities to prove FCRI's capability of claimed uncertainty levels	--	--	0.20	Better credibility of FCRI	Better credibility of FCRI	5 years	Work in progress

REVIEW OF PAST PERFORMANCE 2013-14

(₹ in crores)

S.No	Name of the scheme/ programme	Objective/ Outcome	Outlay 2013-14			Quantifiable Deliverables/ Physical outputs	Projected Outcomes	Processes/ Timelines	Remarks/ Risk Factors
			Non Plan Budget	Plan Budget	Complementary Extra Budgetary Resources				
1	2	3	4(i)	4(ii)	4(iii)	5	6	7	8
1	Creation of a High pressure valve test facility to perform valve coefficient, pressure recovery factor (F _L) and cavitation testing in control valves	To establish a test facility with National / International traceability to establish: <ul style="list-style-type: none"> • Pressure recovery factor of control valves • Valve coefficient at higher operating and • Cavitation performance of valves. 	--	0.66	--	High pressure valve test facility to perform valve coefficient, pressure recovery factor (F _L) and cavitation testing in control valves	Analysis of Pressure recovery factor, valve coefficient and cavitation performance of valves which will be an aid to valve, process, thermal & hydrocarbon industries	3 years	Work in progress
2.	Establishment of National Knowledge Resource Centre for flow Product Industries	To establish/set up an Online Digital information system/Infrastructure at FCRI on membership basis with active collaboration of manufacturing Industries.	--	--	0.30	Digital information system with web server, web hosting networking and digital information sources/products/ services	Better transfer of knowledge between FCRI and user industries	4 years	Work in progress

S.No	Name of the scheme/ programme	Objective/ Outcome	Outlay 2013-14			Quantifiable Deliverables/ Physical outputs	Projected Outcomes	Processes/ Timeliness	Remarks/ Risk Factors
			Non Plan Budget	Plan Budget	Complementary Extra Budgetary Resources				
1	2	3	4(i)	4(ii)	4(iii)	5	6	7	8
3	Inter Laboratory Comparison of Fluid Flow facilities	To conduct international intercomparison with similar international facilities to prove FCRI's capability of claimed uncertainty levels	--	--	0.20	Better credibility of FCRI	Better credibility of FCRI	5 years	Work in progress
4	Automated Compressed Gas Cylinders test facility as per IS: 5844	To design, fabricate, install and commission a suitable hydrostatic stretch testing of compressed gas cylinders and related products from Indian Industry	--	--	0.30	A facility for testing Compressed Gas Cylinders as per IS: 5844	Enable the customers in industrial sector to fulfill requirement under IS: 5844 and most of other requirements for inspection of gas cylinders as per Gas cylinder rules 2004 w	1 ¹ / ₂ years	Work in progress

6.3 . NATIONAL AUTOMOTIVE TESTING AND R&D INFRASTRUCTURE PROJECT (NATRIP)

6.3.1 National Automotive Testing and R&D Infrastructure Project (NATRIP) is the largest and one of the most significant initiatives of the Government of India in automotive sector for creation of “state-of-the-art” automotive testing ,homologation, validation and R&D infrastructure in the country. The project was sanctioned by Cabinet in the year 2005 at a cost of ₹ 1718 Cr for creation of four new centers at Chennai, Indore, Silchar and Raebareli and the up gradation of three existing centers at Manesar (ICAT), Pune (ARAI) and Ahmednagar (VRDE). In April 2011, CCEA approved the revised project cost of ₹ 2288.06 Cr and the new completion date for NATRIP as 31st December, 2014.

6.3.2 Physical & Financial Progress

(a) **Physical Progress:** The project is making steady progress with a number of facilities at various centres being completed. In Silchar, Assam, the hill driving track at Dolchora campus has been fully completed and the Jaffirbond campus comprising of the modal Inspection and maintenance lanes, mechanics Institute and driver training centre have been fully completed. Similarly, the EMC lab at VRDE, Ahmednagar, homologation equipments and Emission Test Cell (ETC 1 & 2) labs at ARAI, Pune, Mileage Accumulation Chassis Dynos (MACD) labs at Chennai and Manesar , FAT2 at ARAI Pune and ICAT, Manesar, PAS4 Lab at ICAT Manesar and GARC Chennai, CERT1 Lab at ICAT Manesar & GARC Chennai and the Accident Data Analysis Centre (ADAC) at Raebareilly have also been commissioned and are operational. The labs and tracks at Manesar and Chennai are in advanced stage of execution.

(b) **Financial Progress: Till 31st March, 2014** - NATIS has received a total fund of ₹ 1512.38 Crores by way of grants-in-aid and ₹ 17 Crore as user Charges have been fully utilized as on 31st March,2014 against the approved project cost of ₹ 2288.06 Crores.

(c) **Allocation of funds under BE 2014-15** - Rs. 426.93 Crore have been allocated as Gross Budgetary Support (GBS) under BE 2014-15 as per Interim Budget against the total demand of ₹ 753.19 Crores). In addition, ₹ 5.49 Cr is on account of internal accruals of ARAI Pune centre of NATRiP.

6.3.3 Projected Outcome and Past Performance - The Projected Outcome of 2014-15 and past performance for the years 2012-13 & 2013-14 in respect of NATRiP has been included in the Chapter II and Chapter IV respectively.
