

**APPENDICES  
&  
ANNEXURES**

## Appendix-I

(Referred to in para 6.1)

## Recoveries at the instance of Audit during 2014-15

(Amount ₹ in lakh)

Name of Ministry/Department	Name of the CPSE	Audit observations in brief	Amount of recovery pointed out by Audit	Amount recovered by the Management
Petroleum & Natural Gas	Oil and Natural Gas Corporation Ltd.	Non-recovery of outstanding dues from gas consumer at Ahmedabad	64.70	64.70
Petroleum & Natural Gas	Oil and Natural Gas Corporation Ltd.	Undue refund of irregular payments in the Foreign Travelling Allowance (FTA) from employees at Ahmedabad Asset (Nine)	1.91	1.91
Petroleum & Natural Gas	Oil and Natural Gas Corporation Ltd.	Undue refund of liquidated damages to Contractors	2.14	2.14
Petroleum & Natural Gas	Oil and Natural Gas Corporation Ltd.	Non-recovery of Electricity charges from the colony residents of Ankleshwar Asset of ONGC at revised rates who were earlier charged at flat rate	83.52	83.52
Petroleum and Natural Gas	Oil India Limited	Excess payment to contractor	518.00	465.00
Urban Development	National Building Constructions Corporation Ltd	During the execution of 'Medical College Mewat', NBCC paid excess amount to the contractor in contravention of contractual provisions	20.36	20.35
		<b>TOTAL</b>	<b>690.63</b>	<b>637.62</b>

**Appendix-II**

*(Referred to in para 6.2)*

**Corrections/Rectifications at the instance of Audit**

<b>Name of Ministry/Department</b>	<b>Name of the CPSE</b>	<b>Audit observations/suggestions in brief</b>	<b>Action taken by the Management</b>
Social Justice & Empowerment	National Scheduled Castes Finance and Development Corporation	Non encashment of HPL to make up the shortfall of overall limit of 300 days for encashment of leave in violation of guidelines of GOI/DPE.	Management has amended its leave rules.
Social Justice & Empowerment	National Safai Karamcharis Finance and Development Corporation	Levy of non utilisation charges and liquidated damages and waiver thereof	Management has revised its policy for levying non utilisation charges and liquidated damages.

## Appendix-III

(Referred to in Chapter VII)

Statement showing the details of Audit Reports (Commercial) up to 2015 for which Action Taken Notes are pending

No. & year of Report	Name of Report	Para No.
<b>Ministry of Petroleum and Natural Gas</b>		
6 of 2015	Performance Audit on Supply and Infrastructure Development for Natural Gas	Standalone Report
21 of 2015	Compliance Audit	Paras 3.1, 3.4, 3.5, 3.8, 3.9, 3.12 and 8.1 ( <b>6 companies</b> )
8 of 2012-13	Compliance Audit	Para 11.6
13 of 2013	Compliance Audit	Paras 10.4 and 12.1
13 of 2014	Compliance Audit	Paras 11.1, 11.4 and 13.1
<b>Ministry of Shipping</b>		
13 of 2014	Compliance Audit	Para 16.3
<b>Ministry of Steel</b>		
10 of 2015	Performance Audit on Capacity expansion of Rashtriya Ispat Nigam Limited	Standalone Report
21 of 2015	Compliance Audit	Paras 5.1, 5.2, 5.4, 5.5 and 5.6
13 of 2013	Compliance Audit	Para 14.3
13 of 2014	Compliance Audit	Para 17.1
<b>Ministry of Textiles</b>		
21 of 2015	Compliance Audit	Para 6.1
<b>Ministry of Water Resources, River Development and Ganga Rejuvenation</b>		
21 of 2015	Compliance Audit	Para 7.1

**Annexure-I**  
(Referred to in para 1.2.1)

**Pipeline Network of IOCL**

Sl. No.	Pipelines	Length (Km)
<b>A. Product Pipelines</b>		
1	Koyali Ahmedabad Pipeline (KAPL)	116
2	Koyali Sanganer Pipeline (KSPL)	1287
3	Koyali Ratlam Pipeline (KRPL)	265
4	Koyali Dahej Pipeline (KDPL)	197
5	Barauni Kanpur Pipeline (BKPL)	745
6	Haldia Mourigram Rajbandh Pipeline (HMRPL)	277
7	Haldia Barauni Pipeline (HBPL)	526
8	Guwahati Siliguri Pipeline (GSPL)	435
9	Panipat Bhatinda Pipeline (PBPL)	219
10	Panipat Rewari Pipeline (PRPL)	155
11	Panipat Ambala Jalandhar Pipeline (PAJPL)	434
12	Panipat Delhi Pipeline (PDPL)	189
13	Panipat Jalandhar LPG Pipeline (PJPL)	274
14	Bijwasan Panipat Pipeline (BPPL)	111
15	Mathura Delhi Pipeline (MDPL)	147
16	Mathura Tundla Pipeline (MTPL)	56
17	Mathura Bharatpur Pipeline (MBPL)	21
18	Chennai Trichy Madurai Pipeline (CTMPL)	683
19	Chennai Bangalore Pipeline (CBPL)	290
20	Chennai Meenambakkam ATF Pipeline (CMPL)	95
21	Digboi Tinsukia Pipeline (DTPL)	75
22	Devangonhi Devanhalli Pipeline (DDPL)	36
<b>B. Crude Pipelines</b>		
1	Salaya Mathura Pipeline (SMPL)	1870
2	Mundra Panipat Pipeline (MPPL)	1194
3	Paradip Haldia Barauni Pipeline (PHBPL)	1384
<b>C. Gas Pipelines</b>		
1	Dadri Panipat R LNG Pipeline (DPPL)	140
	<b>Total</b>	<b>11221</b>

**Annexure-II**  
(Referred to in para 1.2.1)

**Pipeline Network of GAIL**

<b>Sl. No.</b>	<b>Pipelines</b>	<b>Length (Km)</b>
<b>A.</b>	<b>Natural Gas Pipelines/Network</b>	
1	HVJ-GREP-DVPL	4659
2	GREP DVPL Upgradation	1119
3	DUPL-DPPL	875
4	Tripura Region	61
5	Gujarat Region	671
6	Mumbai Region	129
7	Krishna Godavari Basin Region	881
8	Cauvery Basin Region	278
9	Assam Region	8
10	Dadri Bawana Nangal Pipeline (DBNPL)	265
11	Chainsa Jhajjar Hissar Pipeline (CJHPL)	835
12	Dhabol-Bangalore Pipeline (DBPL)	1004
13	Kochi-Koottanad-Banglore-Manglore Pipeline (KKBMP)	41
14	Jaisalmer Region	151
<b>B.</b>	<b>LPG Pipelines</b>	
15	Jamnagar-Loni Pipeline (JLPL)	1414
16	Vizag-Secundarabad Pipeline (VSPL)	618
	<b>Total</b>	<b>13009</b>

**Annexure-III**  
*{(Referred to in para 1.2 4.1 (II)(B)}*

**A. Violation of OISD-STD-141**

Sl. No.	Pipeline	Commissioned	IPS conducted
	Kurukshetra-Roorkee-Najibabad Section of MJPL	2003	Not conducted
	Barauni-Patna Product Pipeline	2003	
	Panipat-Rewari Product Pipeline	2004	
	Asanur-Trichy Section	2005	
	Trichy-Madurai Section	2005	
	Asanur-Sankari Section	2005	
	Chennai- Asanur Section	2005	
	Baghsuri-Sanganer Section of KSPL	2005	

**B. Violation of OISD-STD-139**

Sl. No.	Pipeline	IPS due	Last IPS conducted
1.	Paradip Offshore section of PHBPL	2013	Not conducted
2.	Offshore pipeline of SMPL	2014	Not conducted

**C. Violation of IPS Rolling Plan**

Sl. No.	Pipeline	IPS planned	IPS conducted
1.	Panipat-Jalandhar LPG Pipeline	2014-15	At tendering/ proposal stage
2.	BKPL (Old)		
3.	Lasaria-Chittaurgarh section of KSPL		
4.	Panipat-Ambala of PAJPL		
5.	DP Section of PDPL		
6.	MDPL	2013-14	2014-15
7.	MTPL		
8.	HB Section of PHBPL		2015-16
9.	HB Section – loop-lines		2015-16
10.	VS Section of KSPL		2014-15
11.	SS Section of KSPL		
12.	VM Loop-lines of SMPL		
13.	CP Section of SMPL		
14.	SV Section of SMPL		
15.	SV Loop-lines of SMPL		
16.	VK Section of SMPL		
17.	Mundra-Churwa Section of MPPL		

**Annexure-IV**  
**(referred to in para 1.3.1)**

**Statement showing financial highlights of UPPC and PNCP during last five years ended March 2015.**

**(₹ in crore)**

<b>UPPC</b>					
<b>Particulars</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>
<b>Sales and other income</b>	3748.05	4270.60	4867.36	6022.72	6178.89
<b>Expenditure</b>	2314.01	2663.99	3001.39	4436.04	5538.75
<b>Profit</b>	1434.04	1606.61	1865.97	1586.68	640.14
<b>PNCP</b>					
<b>Quantity Transferred to BD in MT</b>	<b>419479</b>	<b>903103</b>	<b>1286812</b>	<b>1618649</b>	<b>1627739</b>
<b>Sales (transfer to BD at RTP)</b>	2184.16	5627.13	8922.25	11553.33	12870.37
<b>Other Revenue</b>	90.44	445.47	779.07	1225.14	1283.75
<b>Expenditure</b>	4115.84	7272.32	10551.73	12934.07	12807.01
<b>Profit /(Loss)</b>	(-) 1841.24	(-) 1199.72	(-) 850.41	(-) 155.60	1347.10
<b>Financial Performance of Business Development<sup>1</sup></b> <b>(in respect of petrochemical products produced from PNCP)</b>					
<b>Quantity Sold (MT)</b>	367421	907111	1250473	1431541	1652821
<b>Sales</b>	2375.62	7030.83	10958.6	14638.73	16984.06
<b>Profit /(Loss)</b>	189.65	406.39	666.37	761.37	1130.10

<sup>1</sup> products transferred to Business Development Division at Refinery Transfer Price for marketing

**Annexure-V**  
(referred to in para 1.3.3.1(I)A)

**Statement showing capacity utilisation of GCU (ethylene production) and polymer units of UPPC for the last five years ended 2014-15**

Name of units	Installed capacity (MTPA) <sup>2</sup>	Capacity utilisation as a percentage of installed capacity				
		2010-11	2011-12	2012-13	2013-14	2014-15
<b>Ethylene production unit in upstream</b>						
<b>Gas Cracker Unit (GCU)</b>	4,00,000 (2009-10) 4,40,000 (2010-11 to 2011-12) 4,46,000 (2012-13 to 2014-15)	104	104	101	101	103
<b>Polymer production units in downstream</b>						
<b>HDPE I and II</b>	2,00,000	102	109	113	111	120
<b>LLDPE/HDPE SWING</b>	2,10,000	101	106	100	102	101

**Annexure-VI**  
(referred to in para 1.3.3.1(I)B)

**Statement showing capacity utilisation of power and steam capacity in PNCP**

		2012-13	2013-14	2014-15
		<b>Power (KW)</b>	Installed capacity	2087946000
	Generation	1052505329	1088715610	1119594900
	Capacity utilisation in (per cent)	50	52	54
<b>Steam (MT)</b>	Installed capacity	11282880	11282880	11282880
	Generation	4178379	3938894	4116809
	Capacity utilisation in (per cent)	37	35	36

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<sup>2</sup> Metric Tonne Per Annum

**Annexure-VII**  
(Referred to in para 1.3.3.1(III)A)

**Statement showing design standards viz a viz. actual achievement in PNCP**

(figures in MT)

Feedstock	2012-13			2014-15		
	PYPS yield of ethylene (per cent)	Inputs cracked	Ethylene to be produced as per design	PYPS yield of ethylene (per cent)	Inputs cracked	Ethylene to be produced as per design
1	2	3	4=(3*2/100)	5	6	7=(6*5/100)
Naphtha	23.80	2036816	485597	24.30	2818286	686202
C3 from FCC unit	0.10	74060	104	0.20	90924	141
HDPE recycle	0	2861	0	0	2406	0
Swing recycle	25.00	16302	4076	25.00	18313	45.78
PP recycle	0	13686	0	0	16918	0
Ethane recycled	52.60	143557	75553	53.00	177636	94082
Propane recycled	35.20	55680	19622	36.80	54767	20169
C4 Recycled	19.00	128686	24493	19.10	117547	22489
C5 Recycled	24.61	165273	40674	24.30	90930	22051
C6 Recycled	30.52	126043	38468	31.30	95996	30005
<b>Total ethylene to be produced as per design</b>			688587			879716
<b>Ethylene produced actually</b>			686997			876323
<b>Shortfall of ethylene produced</b>			1590			3393
<b>Price of ethylene in ₹/MT</b>			70226			79086 <sup>3</sup>
<b>Loss of ethylene (₹ in crore)</b>			11.17			26.83
<b>Total Loss of Ethylene (₹ in crore) for the year 2012-13 and 2014-15</b>						<b>38.00</b>
Feedstock	2012-13			2013-14		
	PYPS yield of propylene (per cent)	Inputs cracked	Propylene to be produced as per design	PYPS yield of propylene (per cent)	Inputs cracked	Propylene to be produced as per design
1	2	3	4=(3*2/100)	5	6	7=(6*5/100)

<sup>3</sup> Provisional figure based on price for 2013-14 due to non-availability of figures for the year 2014-15

*Report No. 15 of 2016 (Volume-II)*

<b>Naphtha</b>	16.23	2036816	330650	16.20	2360714	382856
<b>C3 from FCC unit</b>	62.00	74060	45917	65.00	83102	54016
<b>HDPE recycle</b>	0	2861	0	0	3207	0
<b>Swing recycle</b>	0	16302	0	0	16166	0
<b>PP recycle</b>	94.88	13686	12985	94.90	15515	14721
<b>Ethane recycled</b>	0.98	143557	1412	1.00	163025	1672
<b>Propane recycled</b>	10.30	55680	5759	10.10	54567	5525
<b>C4 Recycled</b>	19.37	128686	24926	19.30	109549	21091
<b>C5 Recycled</b>	16.50	165273	27313	16.30	107062	17402
<b>C6 Recycled</b>	18.60	126043	23477	17.90	108478	19370
<b>Total propylene to be produced as per design</b>			472440			516653
<b>Propylene produced actually</b>			469557			512644
<b>Shortfall of propylene produced</b>			2883			4009
<b>Price of propylene in ₹/MT</b>			72333			78990
<b>Loss of propylene (₹ in crore)</b>			<b>20.85</b>			<b>31.67</b>
<b>Total loss of propylene (₹ in crore) for the year 2012-13 and 2013-14</b>						<b>52.52</b>
<b>Total loss of Ethylene and Propylene due to shortfall in production (₹ in crore)</b>						<b>90.52</b>

## Annexure-VIII

(referred to in para 1.3.3.1(III)B)

## Statement showing excess consumption of hexane in HDPE unit of PNCP

Year	Design consumption of Hexane Kg/MT	Net consumption of Hexane Kg/MT	Excess consumption of Hexane Kg/MT	HDPE Production in MT	Excess Hexane consumed Kg	Excess Hexane in MT	Price of Hexane (in ₹ per MT)	Increase in cost of production (₹ In crore)
(1)	(2)	(3)	(4)=(3-2)	(5)	(6)= (4x5)	(7)= (6/1000)	(8)	(9)= (7x8/ crore)
2012-13	9.87	11.20	1.33	235278	312920	312.92	43312.12	1.36
2013-14	9.87	11.50	1.63	273365	445585	445.58	68330.72	3.04
2014-15	9.87	14.40	4.53	306040	1386361	1386.36	86747.00	12.03
<b>Total</b>								<b>16.43</b>

## Annexure-IX

(referred to in para 1.3.3.1(III)C)

## Statement showing consumption of steam over and above the design standard for the period 2012-13 to 2014-15 in NCU of PNCP

(Figures in MT)

Year	Running hour of NCU	Steam consumption in excess of design during the year (MT)	Rate of steam (₹/MT)	Amount (₹ in crore)
1	2	3=(14 Mt/Hr <sup>4</sup> Col 2))	4	5=(3*4)
2012-13	8236	115304	3451	39.79
2013-14	8401	117614	4124	48.50
2014-15	8758	122612	4124 <sup>5</sup>	50.56
<b>Increase in cost of production of final product on account of excess consumption of steam over and above design standard</b>				<b>138.85</b>

<sup>4</sup> Excess steam consumed @ 14 MT/Hr in CGC<sup>5</sup> Provisional figure based on price for 2013-14 due to non-availability of figures for the year 2014-15

Annexure-X

{(Referred to in para 1.3.3.2.(I))}

Statement showing details of project schedule, major work order awarded, physical progress of project, slippages and reasons thereof (project at Vijaiapur).

Sl. No.	Work	Contractor	Date of award	Value of work (₹ in crore)	Schedule date of completion	Actual/Anticipated date of completion	Delay in months	Reasons
1	Composite works of units-Erection and fabrication of GSU, GPU	OIL	May 2012	156.90	November 2013	March 2015	16	Inadequate deployment of manpower, machinery, delayed payment to sub-contractors, delayed commencement of insulation and structural work, interruption due to non-availability of daily consumables
2	Civil, Structural & UG piping Works of GSU and GPU	BISIL	May 2011	48.66	November.2012	January 2014	14	
3	Civil and Structural Work – IV of GSU and GPU	UBE	June 2011	34.54	October 2012	January 2014	16	
4	Structural Work – V of GSU and GPU	UBE	December 2011	8.64	December 2012	September 2013	9	
5	Civil, Structural Works-II-Utilities	HDOL	February 2011	73.90	June 2012	February 2015	32	
6	Plant / Non-Plant Building Works	HDOL	March 2011	36.40	May 2012	December 2014	32	
7	Building Work - II	VRG	December 2011	9.30	August 2012	January 2014	17	
8	Electrical & Instrumentation works	Elmatics	July 2013	7.40	November 2013	September 2014	10	
9	Mechanical works	TEL	September 2013	7.40	January 2014	February 2015	13	
10	Composite work-III (LPG-I&II area)	OIL	October 2012	7.40	June 2013	July 2015	26	
11	Composite work-IV (Compressor area)	B&R	October 2012	6.50	June 2013	March 2015	21	

## Annexure-XI

*{(Referred to in para 1.3.3.2.(I))}***Statement of various works, value, scheduled completion, actual completion and delays in execution of UPPC expansion project**

S. No.	Work	Contractor	Date of award	Value of work (₹ in crore)	Scheduled date of completion	Actual date of completion/ status	Delay (in months)
1	Civil, Structural & UG Piping Work – Off sites	Bansal Infratech	May-11	67.09	Oct-12	Feb-14	16
2	Construction of Reservoir for raw water and fire water	IVRCL	Jun-11	35.97	Aug-12	On going (as on June 2015)	34
3	Structural steel works for GCU	UB Engineering Limited	Sep-11	37.80	Dec-12	Feb-14	14
4	Utility Boiler	Thermax	Sep-11	104.90	Mar-13	Jul-14	15
5	Heat Recovery Steam Generators (HRSG) on turnkey basis- with a single point responsibility vendor	Thermax	Aug-11	118.60	Feb-13	Feb-14	11
6	Civil & structural work for GPU unit for Pata-II	V.V. Construction	Sep-11	28.48	Dec-12	Jan-14	14
7	Civil structural work for downstream units LLDPE/HDPE	Bansal Infratech	Dec-11	63.68	Apr-13	Dec-14	18
8	Composite works of LLDPE/HDPE (SWING Unit) & Butene-1	Offshore Infrastructure Limited	Apr-12	64.66	Dec-13	Mar-15	14
9	Raw Water Treatment Plant	Laxmi Civil Engineering Services	Jun-12	30.40	Jul-13	On going (as on June 2015)	23

**Annexure-XII**

*(Referred to in para 1.4)*

**Table showing Total Overall Production & Total production of Diesel by MR**

Year	Total Production of MR	Production of diesel by MR		Production of other products by MR*	
	(in MMT)	(in MMT)	(in per cent)	(in MMT)	(in per cent)
2009-10	6.97	2.21	31.71	4.76	68.29
2010-11	6.65	1.90	28.57	4.75	71.43
2011-12	7.52	1.98	26.33	5.54	73.67
2012-13	7.75	2.20	28.39	5.55	71.61
2013-14	7.76	2.23	28.74	5.53	71.26
2014-15	7.50	2.50	33.00	5.00	67.00

*\*including intermediate stock differential and fuel & loss (Source: - Annual Reports of HPCL)*

**Table showing Euro III / Euro IV diesel & Total diesel produced in MR**

*(Production figures in TMT)*

Year/Product	2013-14 (Nov 13 to Mar 14)*	2014-15 (Apr 14 to Mar 15)	2015-16 (Apr 15 to Aug 15)
High Flash Diesel	31.40	64.80	40.30
Euro III Diesel	935.00	2111.50	723.70
Euro IV Diesel	0.00	364.20	134.70
Total Production of Diesel	966.40	2540.50	898.70
Percentage of Euro III diesel to total diesel production in MR	96.75%	83.11%	80.53%
Percentage of Euro IV diesel to total diesel production in MR	0.00	14.34%	14.99%

*\*DHT was commissioned in November 2013*

**Annexure-XIII**  
(Referred to in para 1.5)

(₹ in crore)

<b>Year</b>	<b>Profit Before Tax (PBT)</b>	<b>PRP Paid</b>	<b>Effective rate of PRP on PBT (Per cent)</b>	<b>Revenue from non-core business</b>	<b>Excess PRP paid</b>
<b>2012-13</b>	5647.80	169.30	3.00	1398.00	41.94
<b>2013-14</b>	8179.00	399.96	4.89	1400.12	68.46
<b>Total</b>	<b>13826.8</b>	<b>569.26</b>		<b>2798.12</b>	<b>110.40</b>

**Annexure-XIV**  
**(Refer to in para 1.7.4.3A)**

**Delay in appraisal of the discoveries made in KG DWN 98/2**

Sl. No.	Discovery			Appraisal Period Completion		Appraisal period allowed due to pooling		Appraisal program submission		
	Name	Type	Notification date	Date as per PSC	allowed on Pooling	in months	in years	Due Date	Actual	Delay Years (y) Months(m)
1	Annapurna	Gas	18.07.2001	18.07.2004	16.07.2010	84	7y	17.07.2002	<i>CEIL drilled Appraisal well but not tested.</i>	NA
2	Kanakadurga	Oil & Gas	12.10.2001	12.06.2004	16.07.2010	81	6y 9m	11.02.2002	G2P1-1, 10.12.2009	7y 10m
3	Padmavati	Oil & Gas	16.11.2001	16.07.2004	16.07.2010	81	6y 9m	17.03.2002	M2, 10.12.2009	7y 9m
4	U-1	Gas	25.01.2006	25.01.2009	16.07.2010	54	4y 6m	24.01.2007	U-2 on 10.12.2009	2y 11m
5	A-1	Gas	25.01.2006	25.01.2009	16.07.2010	54	4y 6m	24.01.2007	A2 - 23.08.12	5y 7m
6	W-1	Gas	12.04.2006	12.04.2009	16.07.2010	51	4y 3m	11.04.2007		
7	E-1	Gas	02.05.2006	01.05.2010	16.07.2010	50	4y 2m	01.05.2007		
8	D-1	Gas	17.05.2006	16.05.2010	16.07.2010	50	4y 2m	16.05.2007		

*Suspension was during 2003-04 and 2004-05 which has been considered for calculation of appraisal period in respect of first 3 discoveries only*

**Annexure-XV**  
**{(Referred to in para 1.8.2.1(I))}**

**Status of Land Acquisition for drilling sites**

Sl. No .	Name of Block	Name of Location/Well	Effective date	Date of requisition received from Block	Date of commencement of Land Acquisition	Days taken {(6)-(5)}	Date of completion of LAQ	Days taken {(8)-(6)}
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1.	Bokaro	BKAA	21.02.2003	04.07.2003	15-07-2003	11	08.04.2004	268
2.		BKAB	21.02.2003	11.02.2003	26-02-2003	15	01.04.2005	765
3.		BKAC	21.02.2003	26.04.2006	14.10.2006	171	18.02.2009	858
4.		BKAD	21.02.2003	26.04.2006	16-10-2006	173	04.06.2009	962
5.		BKAE	21.02.2003	26.04.2006	16-10-2006	173	26-05-2008	588
6.		BKAF	21.02.2003	26.04.2006	18.09.2006	145	09.08.2010	1421
7.		BKAH (S)	21.02.2003	26.04.2006	16-10-2006	173	18-02-2009	856
8.		BKAI	21.02.2003	26.04.2006	16-10-2006	173	21-10-2009	1101
9.		BKAJ	21.02.2003	26.04.2006	16.10.2006	173	25.05.2007	221
10.		BKAK	21.02.2003	26.04.2006	12.06.2006	47	26.04.2008	684
11.		BKAL	21.02.2003	26.04.2006	06.12.2006	224	06.05.2009	882
12.	Jharia	JHAI	28.08.2003	06.02.2004	28.09.2005	600	25.07.2007	665
13.		JHAN	28.08.2003	17.05.2005	27-06-2005	41	01.03.2006	247
14.		JHAO	28.08.2003	20.07.2005	26-08-2005	37	02.06.2006	280
15.		JHAP	28.08.2003	18.04.2008	01.10.2008	166	26-11-2010	786
16.		JHAQ	28.08.2003	11.11.2010	23.11.2010	12	13.04.2011	141
17.	North Karanpura	NKAA	21.02.2003	25.08.2003	07.09.2003	13	11.03.2005	551
18.		NKAB	21.02.2003	25.08.2003	07.09.2003	13	26-2-2005	538
19.		NKAF	21.02.2003	18.02.2008	22.02.2008	04	09.07.2009	503
20.		NKAG	21.02.2003	18.02.2008	30.07.2008	163	09.07.2009	344
21.	Raniganj	RNAA	09.06.2004	27.11.2006	17.01.2007	51	22.05.2007	125
22.		RNAB	09.06.2004	24.06.2009	21-06-2010	362	18-05-2011	331
23.		RNAC	09.06.2004	27.08.2009	27.08.2009	00	09.11.2010	439

**Annexure-XVI**  
*{(Referred to in para 1.8.2.1(III))}*

**Avoidable idling of Departmental Rig**

Well	Year of completion	Waiting for ready locations	Waiting for logistics	Total waiting days	Rig cost per day (₹ in lakh)	Total waiting cost (₹ in lakh)
BKAA	2005-06	17	30	47	2.94	138.18
JHAN	2006-07	85	0	85	2.73	232.05
JHAO	2006-07	121	0	121	2.73	330.33
RNAA	2007-08	29	9	38	3.14	119.32
NKAC	2010-11	4	5	09	3.86	34.74
NKAD	2010-11	61	25	86	3.86	331.96
RNAB	2011-12	0	18	18	5.62	101.16
BKAI	2012-13	111	20	131	5.37	703.47
JHAR	2013-14	0	6	06	6.62	39.72
JHAJ	2013-14	0	11	11	6.62	72.82
<b>Total</b>		<b>428</b>	<b>124</b>	<b>552</b>	<b>--</b>	<b>2103.75</b>

**Annexure-XVII**

*{(Referred to in para 1.8.2.1(IV))}*

**Status of Development Phase of four blocks**

Name of Block	Effective Date	Time allowed for completion Exploration Phase II from the effective date	Scheduled date of completion of Exploration Phase II	Actual Completion of Exploration Phase II	Excusable delay	Diff between Schedule Completion and Actual Completion of Phase-II (-) Excusable delay	No. of six months extensions sought in Phase I and II	Duration of remaining Development Phase		Remaining Period of Development as on 31.8.2015 /Remarks
								From	To	
1	2	3	4	5	6	7 ((5-4)-6)	8	9	10	11
<b>Bokaro</b>	21.02.2003	6 years	20.02.2009	27.01.2011	158 days	548 days	1+3=4	28.01.2011	27.07.2014	Nil FDP approved in Jan 2013. ML applied belatedly yet not received EC not received. In the absence of ML, development activities not possible.
<b>North Karanpura</b>	21.02.2003	6.5 years	20.08.2009	26.09.2011	218 days	549 days	1+3=4	27.09.2011	26.03.2015	Nil FDP approved in September 2012. EC received in May 2015.

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										ML applied belatedly was received in July 2015. One year extension beyond 26.3.2015 not applied for.
<b>Jharia</b>	28.08.2003	7 years	27.08.2010	27.10.2012	424 days	368 days	2+2=4	28.10.2012	27.10.2016	14 Months FDP approved in April 2013. ML applied belatedly was received in July 2015. EC not received, development activities did not commence.
<b>Raniganj</b>	09.06.2004	7 years	08.06.2011	08.12.2012	0	549 days	2+3=5	09.12.2012	08.06.2016	09 Months FDP approved in April 2013. ML applied belatedly not received. EC not received, development activities did not commence

**Annexure- XVIII**  
*{(Referred to in para 1.8.2.2(II))}*

**Status of Mining Lease**

Name of the Block	Completion of Phase-II after extensions/dispensations	Date of submission of development plan	Date of approval development plan	Date of submission of ML application	Delay in submission of ML application	Date of receipt of ML
1	2	3	4	5	6 (5-2)	7
Bokaro	27.01.2011	26.11.2010	21.01.2013	12.07.2013	896 days i.e. 29 months approx.	Yet to be received
North Karanpura	26.09.2011	25.07.2011	25.09.2012	25.07.2013	668 days i.e. 22 months approx.	Received in July 2015
Jharia	27.10.2012	24.08.2012	23.04.2013	12.07.2013	258 days i.e. 8 months 15 days approx.	Received in July 2015
Raniganj	08.12.2012	05.10.2012	23.04.2013	01.07.2013	205 days i.e. 7 months approx.	Yet to be received

**Annexure-XIX**

*{Referred to in paragraph 1.8.2.2(III)}*

**Status of Environmental Clearance**

Block name	Submission of FDP	Date of receipt of TOR (a)	Date of commencement of EC process (b)	Time lag (months) (a-b)	Status of EC
Bokaro	26.11.2010	14.11.2011	14.11.2013	24 months	Awaited
North Karanpura	25.07.2011	21.02.2013	26.06.2013	4 months 3 days	Received on 12 May 2015
Jharia	24.08.2012	10.09.2013	09.04.2014	6 months 30 days	Awaited
Raniganj	05.10.2012	18.03.2014	23.12.2014	9 months 5 days	Awaited

**Annexure-XX**

*(Referred to in paragraph 1.9)*

<b>Sl. No.</b>	<b>Nature of delay and period</b>	<b>Amount invested (₹ In crore)</b>	<b>Loss of interest (₹ In crore)</b>
1	Delay in allotment of equity shares by OPaL against advances paid	997.95	245.22
2	Amount parked for rights issue – two years	670.92	108.89
3	Two and half months	750.55	10.65
4	Warrants convertible to equity without interest (First instalment) (June 15 to Dec 15)	961.00	38.76
5	Warrants convertible to equity without interest (second instalment) (Nov 15 to Dec 15)	480.50	4.63
<b>Total</b>		<b>3860.92</b>	<b>408.15</b>

## Annexure-XXI

{Referred to in para 5.2.2.1(ii)}

## Capacity, production, target, and actual sales of SAILs three special steel plants

(Quantity in '000 ton)

End of March	Capacity			Production			Target			Actual Sales		
	VISP	SSP	ASP	VISP	SSP	ASP	VISP	SSP	ASP	VISP	SSP	ASP
2013	98	339	184	56	65	126	64	146	127	50.47	66	97
2014	98	339	184	22	98	114	129	142	121	33.29	96	100
2015	98	339	184	35	360	96	72	155	121	29.22	132	95
Net Operational Loss before Interest expenses and exceptional items (₹ in crore)								2013		117	327	113
								2014		123	282	84
								2015		97	250	118

## Annexure-XXII

{Referred to in para 5.2.2.2 (a)}

## Performance of dealers in SAIL during 2009-10 to 2014-15

Year ended March	No. of Authorized Retail Dealers (ARD)						Sales through ARD (Qty in '000 Ton)				
	Total (As on 31st March)		Added during the year	Removed during the year	Active ARD		Target	Actual	Achievements (%)	Total sales of SAIL	As % of company's total sales
	Exclusive ARD	All ARD			Total	As % of total					
2010	52	2508	NA	NA	1533	61	NA	604	NA	12110	4.99
2011	85	2649	NA	NA	1529	58	805	581	72	11720	4.96
2012	96	2662	41	28	1297	49	800	556	70	11420	4.87
2013	95	2896	234	349	1285	44	800	545	68	11110	4.91
2014	89	2948	318	488	1150	39	626	623	100	12070	5.16
2015	92	2711	542	448	1255	46	600	632	105	11700	5.40

NA-Not Available

**Annexure-XXIII**  
{Referred to in paras 5.2.2.2 and 5.2.2.4}

**Details of MoU sales and rebate and discounts dispensed**

*(₹ in crore)*

Years	MOU Sales	Other Sales	Total Sales*	MOU Sales as per cent of total	Rebate and discounts
2009-10	23397.9	17836.7	41234.6	57	2467
2010-11	26111.0	18501.2	44612.2	59	4103
2011-12	15190.1	32033.1	47223.2	32	2904
2012-13	25473.4	21139.9	46613.3	55	4800
2013-14	40089.9	8307.3	48397.2	83	5696
2014-15	43591.3	4012.5	47603.8	92	6088

\*excludes secondary sales

**Annexure XXIV**  
(Referred to in para 5.2.2.6)

**Details of sales dispensations and average net sales realisation (NSR)**

Year	Sales Quantity ('000T)	Dispensation (₹ in Cr.)	(₹/t) Average Dispensation	Average NSR <sup>6</sup> (₹/ton)	Cost of sales <sup>7</sup> (₹/ton)	Dispensation to NSR (%)
2009-10	11010	2467	2241	31030	26291	7
2010-11	10683	4103	3841	33962	29354	11
2011-12	10276	2904	2826	37329	34308	8
2012-13	10163	4800	4723	36291	34018	13
2013-14	10917	5696	5218	35572	35299	15
2014-15	10562	6088	5764	35198	34484	16

<sup>6</sup>Net Sales Realisation includes total revenue earned from selling a product minus cost of sales return, if any; allowances and discounts..

<sup>7</sup>Cost of sales is the accumulated total of all cost used to create a product/services.

**Annexure-XXV**  
(Referred to in para 5.2.2.9)

**NSR of Semis and Finished product after conversion from Semis**

NSR of products in ₹	Bhilai Steel Plant		Durgapur Steel Plant	
	2012-13	2013-14	2012-13	2013-14
SEMIS	30,433	29,435	32,311	31,144
TMT 8-12 MM*	37,784	35,407	38,511	36,337
TMT 12-25*	37,130	35,187	37,340	35,375
TMT >25MM*	37,168	34,760	35,793	36,905
Structural (Light)*	37,687	35,208	39,919	36,918
Structural (Medium)*	39,088	37,504	36,849	34,067
Structural (Heavy)*	40,703	38,363	38,364	36,416

*\*Valued added finished products*