

## ANNEXURE-11

## Statement showing operational performance of the five Units of Panipat Thermal Power Station for the five years up to 2000-01

(Referred to in paragraph 2B.4.1)

Sl. No.	Particulars	Unit	1996-97	1997-98	1998-99	1999-2000	2000-01
1.	Generating capacity* (MUs) (110x8760/1000 210x8760/1000)	I	963.6	963.6	963.6	966.2	963.6
		II	963.6	963.6	963.6	966.2	963.6
		III	963.6	963.6	963.6	966.2	963.6
		IV	963.6	963.6	963.6	966.2	963.6
		V	1839.6	1839.6	1839.6	1844.6	1839.6
2	Total hours available in a year (Per Unit)		8760	8760	8760	8784	8760
3.	Actual running hours	I	5220	4464	3221	6890	7326
		II	4873	4989	5210	0	0**
		III	3737	5426	3756	4772	4458
		IV	5811	4529	6992	6541	7554
		V	7820	7752	6628	7833	6388
		<b>Total</b>	<b>27461</b>	<b>27160</b>	<b>25807</b>	<b>26036</b>	<b>25726</b>
4	Percentage of plant availability (Item 3/Item 2x100)	I	59.59	50.96	36.77	78.44	83.63
		II	55.63	56.95	59.47	0	0
		III	42.66	61.94	42.88	54.33	50.89
		IV	66.34	51.70	79.82	74.46	86.23
		V	89.27	88.49	75.66	89.17	72.92
5.	Possible generation with reference to hours actually operated (MUs) (Item 3 x unit capacity in MW/1000)	I	574.20	491.04	354.31	757.90	805.86
		II	536.03	548.79	573.10	0	0
		III	411.07	596.86	413.16	524.92	490.38
		IV	639.21	498.19	769.12	719.51	830.94
		V	1642.20	1627.92	1391.88	1644.93	1341.48
6.	Actual generation (MUs)	I	318.20	261.79	211.02	429.66	444.87
		II	276.59	289.45	307.93	0	0
		<b>Total</b>	<b>594.79</b>	<b>551.24</b>	<b>518.95</b>	<b>429.66</b>	<b>444.87</b>
		III	274.00	403.08	268.22	317.00	352.08
		IV	326.74	371.35	551.68	490.74	603.10
		<b>Total</b>	<b>600.74</b>	<b>774.43</b>	<b>819.90</b>	<b>807.74</b>	<b>955.18</b>
7.	Shortfall (Item 5-Item 6)/Percentage of actual generation to possible generation (in brackets) (Item 6 / Item 5x 100)	I	256.00 (55.42)	229.25 (53.31)	143.29 (59.56)	328.24 (56.69)	360.99 (55.20)
		II	259.44 (51.60)	259.34 (52.74)	265.17 (53.73)	0 (0)	0 (0)
		III	137.07 (66.66)	193.78 (67.53)	144.94 (64.92)	207.92 (60.39)	138.30 (71.80)
		IV	312.47 (51.12)	126.84 (74.54)	217.44 (71.73)	228.77 (68.20)	227.84 (72.58)
		V	84.10 (94.88)	84.75 (94.79)	74.69 (94.63)	26.29 (98.40)	13.54 (98.99)
8.	Actual generation per KW of installed capacity (KWH) (Item 6/unit capacity in MW x 1000)	I	2893	2380	1918	3906	4044
		II	2514	2631	2799	0	0
		III	2491	3664	2438	2882	3201
		IV	2970	3376	5015	4461	5483
		V	7420	7348	6282	7708	6324

\* Generating capacity means required generation during total hours available in a year.

\*\* Unit II placed under shutdown from 22 January 1999 for refurbishment work.

*Audit Report (Commercial) for the year ended 31 March 20001*

Sl. No.	Particulars	Unit	1996-97	1997-98	1998-99	1999-2000	2000-01
9.	Plant load factor ( <i>per cent</i> )* (Item 6/Item 1 x 100)	I	33.02	27.17	21.90	44.47	46.17
		II	28.70	30.04	31.96	0	0
		III	28.44	41.83	27.84	32.81	36.54
		IV	33.91	38.54	57.25	50.79	62.59
		V	84.70	83.89	71.60	87.75	72.19
10.	Auxiliary consumption (MUs)	I&II	87.82	69.63	67.50	55.43	57.02
		III & IV	75.53	96.85	104.72	104.25	120.70
		V	171.94	172.08	139.95	166.20	134.21
11.	Percentage of auxiliary consumption (Item 10/Item 6 x 100)	I&II	14.76	12.63	13.00	12.90	12.82
		III&IV	12.57	12.51	12.77	12.91	12.64
		V	11.04	11.15	10.62	10.27	10.11

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\* Plant load factor represents the percentage of actual generation to generating capacity.

## ANNEXURE-12

## Statement showing cost of generation per unit, cost per unit of power sent out at Panipat Thermal Power Station during five years up to 2000-01

(Referred to in paragraph 2B.5)

Sl. No.	Particulars	1996-97	1997-98	1998-99	1999-2000	2000-01
1.	(a) Gross generation (MUs)	2753.63	2868.84	2656.04	2856.04	2727.99
	(b) Auxiliary consumption (MUs)	335.29	338.56	312.17	325.88	311.93
	(c) Power available for sale (a-b) (MUs)	2418.34	2530.28	2343.87	2530.16	2416.06
2.	Cost of generation (Rs in crore)					
	i) Coal	293.64	345.67	403.42	405.59	377.07
	ii) Oil	32.51	26.16	22.82	12.78	17.09
	iii) Operation and maintenance	23.86	21.77	34.07	32.82	37.44
	iv) Salaries and Wages	23.72	24.19	35.65	29.56	33.91
	v) Indirect cost (interest and depreciation)	101.68	101.82	83.57	84.77	111.87
	<b>Total cost of generation</b>	<b>475.41</b>	<b>519.61</b>	<b>579.53</b>	<b>565.52</b>	<b>577.38</b>
3.	Total cost per Unit (Paise)					
	(a) Power generated	172.65	181.12	218.19	198.01	211.64
	(b) Power available for sale	196.59	205.36	247.25	223.51	238.97
4.	Break up of cost per Unit available for sale (Paise)					
	i) Coal	121.42	136.61	172.12	160.30	156.07
	ii) Oil	13.44	10.34	9.73	5.05	7.07
	iii) Operation and Maintenance	9.87	8.61	14.54	12.97	15.50
	iv) Salaries and wages	9.81	9.56	15.21	11.68	14.03
	v) Indirect cost (Interest and depreciation)	42.05	40.24	35.65	33.51	46.30
	<b>Total</b>	<b>196.59</b>	<b>205.36</b>	<b>247.25</b>	<b>223.51</b>	<b>238.97</b>
5.	Average revenue per unit (Paise)	155.29	187.36	168.41* 229.36	222.15	236.00
6.	Loss per unit (Paise)	41.30	18.00	78.84 17.89	1.36	2.97
7.	<b>Total loss (Rupees in crore)</b>	<b>99.88</b>	<b>45.55</b>	<b>87.54</b>	<b>3.44</b>	<b>7.18</b>

\* Power available was sold to the erstwhile Board: 748.36 MUs (average revenue: 168.41 Paise per unit) and HVPNL: 1595.50 MUs (average revenue: 229.36 Paise per unit).

**ANNEXURE-13**

**Statement showing average calorific value of coal, stipulated heat rate, standard consumption of coal, actual and excess consumption of coal at Panipat Thermal Power Station during five years up to 2000-01**

(Referred to in paragraph 2B.6)

Sl. No.	Particulars	Unit	1996-97	1997-98	1998-99	1999-2000	2000-01
1.	Average calorific value of coal (K.cal/Kg.)		3855	3865	3902	3979	4053
2.	Stipulated heat rate as per standard adopted* (K.cal/KWH)	I to IV V	2232 1988.02	2232 1988.02	2232 1988.02	2232 1988.02	2232 1988.02
3.	Stipulated heat rate at 87 per cent (Unit I to IV) boiler efficiency and 86 per cent (Unit V) boiler efficiency (k. cal/KWH) (Item 2 x 100) 87/86	I to IV V	2566 2312	2566 2312	2566 2312	2566 2312	2566 2312
4.	Standard consumption of coal for generation per KWH (gms) (Item 3 ÷ Item 1x1000)	I to IV V	666 600	664 598	658 593	645 581	633 570
5.	Actual generation (MUS)	I to IV V	1195.53 1558.10	1325.67 1543.17	1338.85 1317.19	1237.40 1618.64	1400.05 1327.94
6.	Standard consumption of coal for actual generation (tonnes) (Item 4xItem 5)	I to IV V	796223 934860	880245 922816	880963 781094	798123 940430	886232 756926
7.	Actual consumption of coal (tonnes)	I to IV V	1115433 1134935	1237190 1136851	1245089 943017	1111122 1126969	1231772 926394
8.	Excess consumption of coal (tonnes) (Item 7 - Item 6)	I to IV V	319210 200075	356945 214035	364126 161923	312999 186539	345540 169468
	<b>Total</b>		<b>519285</b>	<b>570980</b>	<b>526049</b>	<b>499538</b>	<b>515008</b>
9.	Average procurement cost of coal (Rupees per tonne)		1304.84	1456.04	1843.72	1812.23	1747.18
10.	Cost of excess coal consumed (Rupees in lakh)		6775.84	8313.70	9698.87	9052.78	8998.12

\* Turbine load has been considered as 65 MW per unit for Units I to IV and full load (210 MW) for Unit V.



**ANNEXURE - 15**

**Statement showing financial position of Haryana State Small Industries and Export Corporation Limited for the five years up to 1999-2000**

(Referred to in Paragraph No. 2D.6)

Sl. No.	Particulars	1995-96	1996-97	1997-98	1998-99	1999-2000
		<b>(Rupees in lakh)</b>				
<b>A.</b>	<b>LIABILITIES</b>					
(a)	Paid-up-capital	128.67	169.05	185.05	188.22	190.88
(b)	Reserve and Surplus					
	(i) Capital Reserve	107.08	107.38	110.01	108.20	115.04
	(ii) General Reserve	1.81	21.90	24.30	42.44	-
(c)	Borrowings	518.07	308.77	452.28	744.40	692.81
(d)	Trade dues and other current liabilities (including provisions) *	2376.44	3658.53	2125.68	2124.20	2345.45
	<b>TOTAL 'A'</b>	<b>3132.07</b>	<b>4265.63</b>	<b>2897.32</b>	<b>3207.46</b>	<b>3344.18</b>
<b>B.</b>	<b>ASSETS</b>					
(a)	Gross block	252.31	253.68	263.75	265.99	277.78
(b)	Less: depreciation	77.79	82.82	91.54	95.52	95.45
(c)	Net fixed assets	174.52	170.86	172.21	170.47	182.33
(d)	Investments	0.70	0.70	0.70	0.70	0.70
(e)	Current assets loans and advances	2956.85	4094.07	2724.41	3036.29	3068.65
(f)	Accumulated loss	-	-	-	-	92.50
	<b>TOTAL 'B'</b>	<b>3132.07</b>	<b>4265.63</b>	<b>2897.32</b>	<b>3207.46</b>	<b>3344.18</b>
C.	Capital employed **	761.15	612.62	777.16	1088.78	905.53
D.	Net worth ***	130.48	190.95	209.35	230.66	98.38

\* Includes provision for gratuity amounting to Rs 6.22 lakh during 1995-96 to 1998-99.

\*\* Capital employed represents net fixed assets plus working capital.

\*\*\* Net worth represents paid-up capital plus free reserves less intangible assets.

## ANNEXURE - 16

## Statement showing working results of Haryana State Small Industries &amp; Export Corporation Limited for the five years up to 1999-2000

(Referred to in paragraph No. 2D.6)

Sl.No.	Particulars	1995-96	1996-97	1997-98	1998-99	1999-2000
		<b>(Rupees in lakh)</b>				
<b>A.</b>	<b>Income</b>					
(a)	Sales	13619.84	18703.37	14248.23	16406.36	13453.80
(b)	Other Income	162.66	226.37	231.85	157.96	161.30
(c)	Grants received	45.00	27.68	35.22	27.69	24.50
(d)	Accretion (+)/decretion (-) to stock	(+) 334.44	(+) 668.92	(-) 16.41	(-) 817.56	(+)1170.47
	<b>TOTAL 'A'</b>	<b>14161.94</b>	<b>19626.34</b>	<b>14498.89</b>	<b>15774.45</b>	<b>14810.07</b>
<b>B.</b>	<b>Expenditure</b>					
(a)	Purchases	13513.35	18818.28	13857.81	15069.99	14225.40
(b)	Employees remuneration and other benefits	350.36	452.07	492.10	560.42	609.74
(c)	Other expenses	184.83	178.57	92.62	98.68	87.25
(d)	Interest	76.80	122.66	51.59	17.85	22.62
	<b>TOTAL 'B'</b>	<b>14125.34</b>	<b>19571.58</b>	<b>14494.12</b>	<b>15746.94</b>	<b>14945.01</b>
	Profit (+)/Loss(-)	(+) 36.60	(+) 54.76	(+) 4.77	(+) 27.51	(-) 134.94
	Provision for tax	-	25.37	2.37	9.37	-
	Profit/loss after tax	(+) 36.60	(+) 29.39	(+) 2.40	(+) 18.14	(-)134.94

ANNEXURE-17

Statement showing working results of raw material depots of Haryana State Small Industries & Export Corporation Limited for the last five years up to 2000-01  
(Referred to in paragraph No.2D.7.1.2)

(Rupees in lakh)

	Ambala	Karnal	Panipat	Chandigarh	Sonepat	Rohtak	Y. Nagar	Gurgaon	Faridabad	Hisar	Kurukshetra	Bhiwani	Jind	M.Dabwali	Rewari	Bahadurgarh
1996-97	Turnover	318.75	90.73	4046.09	11.42	147.55	113.08	61.82	10966.86	29.47	19.01	11.81	4.20	4.92	68.46	207.71
	Income	2.46	2.78	98.91	0.52	5.47	4.11	7.01	417.30	0.81	0.51	0.33	0.10	0.10	3.15	6.39
	Expenditure	6.16	7.66	31.37	6.55	9.08	6.68	5.22	128.15	5.61	4.40	4.22	3.61	3.61	5.26	6.31
	Profit(+)/ Loss (-)	(-) 3.70	(-) 4.88	(+) 67.54	(-) 6.03	(-) 3.61	(-) 2.57	(+) 1.79	(+) 289.15	(-) 4.80	(-) 3.89	(-) 3.89	(-) 3.51	(-) 3.51	(-) 2.11	(+) 0.08
1997-98	Turnover	57.84	179.08	3031.52	12.85	118.55	164.88	95.06	7915.73	35.87	21.82	22.09	8.84	1.14	209.70	-
	Income	1.75	5.27	77.34	0.41	3.41	4.99	2.74	328.42	1.04	0.59	0.60	0.21	0.07	5.28	-
	Expenditure	6.47	7.32	15.93	7.06	10.37	7.17	5.21	51.87	6.30	5.00	5.25	4.17	3.66	6.55	5.15
	Profit (+)/ Loss (-)	(-) 4.72	(-) 2.05	(+) 61.41	(-) 6.65	(-) 6.96	(-) 2.18	(-) 2.47	(+) 276.55	(-) 5.26	(-) 4.41	(-) 4.65	(-) 3.96	(-) 3.59	(-) 1.27	(-) 5.15
1998-99	Turnover	20.16	148.90	5099.12	12.24	77.23	196.11	139.58	8586.30	21.57	24.35	28.12	7.62	-	217.28	-
	Income	0.68	4.94	139.12	0.41	2.59	6.52	4.64	370.82	0.71	0.80	0.92	0.26	-	7.22	-
	Expenditure	6.19	6.90	15.59	6.90	9.94	6.59	5.12	39.18	5.77	5.14	5.04	4.71	3.34	6.19	5.47
	Profit (+)/ Loss (-)	(-) 5.51	(-) 1.96	(+) 123.53	(-) 6.49	(-) 7.35	(-) 0.07	(-) 0.48	331.64	(-) 5.06	(-) 4.34	(-) 4.12	(-) 4.45	(-) 3.34	(+) 1.03	(-) 5.47
1999-2000	Turnover	14.89	119.49	4783.43	-	10.91	115.97	79.31	6605.97	3.07	8.40	2.47	22.77	1.94	21.04	-
	Income	0.40	4.50	166.19	-	0.30	4.25	2.30	241.78	0.05	0.10	0.02	0.55	0.01	0.60	-
	Expenditure	7.09	8.02	18.89	6.96	12.01	7.31	6.00	37.07	6.95	5.90	7.12	4.69	3.80	5.26	5.79
	Profit (+)/ Loss (-)	(-) 6.69	(-) 3.52	(+) 147.30	(-) 6.96	(-) 11.71	(-) 3.06	(-) 3.70	(+) 204.71	(-) 6.90	(-) 5.80	(-) 7.10	(-) 4.14	(-) 3.79	(-) 4.66	(-) 5.79
2000-2001	Turnover	12.92	119.87	6373.27	1.30	6.17	138.15	141.69	14062.59	-	36.16	7.79	5.93	0.34	12.57	1.88
	Income	0.27	2.92	141.18	0.03	0.15	3.62	3.94	339.39	9.50	0.98	0.14	0.13	-	0.28	0.04
	Expenditure	5.56	8.94	26.30	2.63	11.21	7.29	5.63	41.44	8.79	5.43	7.57	4.04	1.93	6.05	2.11
	Profit (+)/ Loss (-)	(-) 5.29	(-) 6.02	(+) 114.88	(-) 2.60	(-) 11.06	(-) 3.67	(-) 1.69	(+) 297.95	(+) 0.71	(-) 4.45	(-) 7.43	(-) 3.91	(-) 1.93	(-) 5.77	(-) 2.07
Total	Turnover	193.83	886.09	23333.43	37.81	360.41	728.19	517.46	48137.45	89.98	109.74	72.28	49.36	8.34	529.05	209.59
	Income	5.56	27.61	622.74	1.37	11.92	23.49	20.63	1697.71	12.11	2.98	2.01	1.25	0.18	16.53	6.43
	Expenditure	31.47	42.85	108.08	30.10	52.61	35.04	27.18	297.71	33.42	25.87	29.20	21.22	16.34	29.31	24.83
	Profit (+)/ Loss (-)	(-) 25.91	(-) 15.24	(+) 514.66	(-) 28.73	(-) 40.69	(-) 11.55	(-) 6.55	(+) 1400.00	(-) 21.31	(-) 22.89	(-) 27.19	(-) 19.97	(-) 16.16	(-) 12.78	(-) 18.40

Note: Working results of Chandigarh, Faridabad and Hisar depots include the results of agencies.



## ANNEXURE-18

## Statement showing working results of emporia of Haryana State Small Industries and Export Corporation Limited for five years up to 2000-01

(Referred to in paragraph No. 2D.7.2 I)

Year	Ambala	Mumbai	Chandigarh	Kolkata	Delhi	Hissar	Lucknow	Agra
1996-97	16.26	8.37	24.44	21.94	31.29	12.74	8.41	1.73
	8.57	4.43	26.31	10.01	27.97	13.75	4.46	2.40
	(+) 7.69	(+) 3.94	(-) 1.87	(+) 11.93	(+) 3.32	(-) 1.01	(+) 3.95	(-) 0.67
1997-98	8.38	1.59	17.13	18.71	25.09	4.10	4.23	-
	6.80	2.44	15.50	9.11	25.45	6.49	2.82	-
	(+) 1.58	(-) 0.85	(+) 1.63	(+) 9.60	(-) 0.36	(-) 2.39	(+) 1.41	-
1998-99	5.19	0.88	21.99	14.49	23.64	1.29	3.37	-
	7.64	2.73	17.89	8.74	27.98	8.12	3.05	-
	(-) 2.45	(-) 1.85	(+) 4.10	(+) 5.75	(-) 4.34	(-) 6.83	(+) 0.32	-
1999-2000	8.04	2.71	18.94	11.48	27.06	4.17	4.89	-
	9.05	3.18	20.56	10.35	30.04	8.19	3.64	-
	(-) 1.01	(-) 0.47	(-) 1.62	(+) 1.13	(-) 2.98	(-) 4.02	(+) 1.25	-
2000-2001	5.04	2.07	16.04	8.32	23.85	5.36	3.58	-
	9.88	3.67	21.09	10.37	28.87	9.62	4.21	-
	(-) 4.84	(-) 1.60	(-) 5.05	(-) 2.05	(-) 5.02	(-) 4.26	(-) 0.63	-
Total	42.91	15.62	98.54	74.94	130.93	27.66	24.48	1.73
	41.94	16.45	101.35	48.58	140.31	46.17	18.18	2.40
	(+) 0.97	(-) 0.83	(-) 2.81	(+) 26.36	(-) 9.38	(-) 18.51	(+) 6.30	(-) 0.67