

ANNEXURES

ANNEXURE-1

Statement showing investments made by State Government in PSUs, whose accounts are in arrears (Referred to in paragraph 1.11)

(Figures in columns (4) & (6) to (8) are ₹ in crore)

Sl. No.	Name of the Public Sector Undertaking	Year upto which accounts finalised	Paid-up capital	Period of accounts pending finalisation	Investment made by State Government during the year of which accounts are in arrears		
					Equity	Loans	Grants
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Working Government companies						
1.	Tamil Nadu Small Industries Development Corporation Limited (TN SIDCO)	2015-16	24.70	2016-17	0.44	---	9.83
2.	Tamil Nadu Adi Dravidar Housing and Development Corporation Limited (TAHDCO)	2014-15	128.27	2015-16	6.63	---	---
3.	Tamil Nadu Corporation of Development of Women Limited (TN Women)	2015-16	0.78	2016-17	---	---	35.77
4.	Tamil Nadu Rural Housing and Infrastructure Development Corporation Limited (TN Rural Housing)	2015-16	3.00	2016-17	---	---	132.03
5.	Tamil Nadu Cements Corporation Limited (TANCEM)	2015-16	62.27	2016-17	49.05	49.05	---
6.	TNEB Limited	2014-15	15,364.39	2015-16	3,253.65	---	---
		2015-16		2016-17	3,828.07	---	---
7.	Tamil Nadu Transmission Corporation Limited (TANTRANSCO)	2015-16	4,135.53	2016-17	---	515.02	---
8.	Tamil Nadu Generation and Distribution Corporation Limited (TANGEDCO)	2015-16	13,778.28	2016-17	---	23,215.00	2,000.00
9.	Tamil Nadu Civil Supplies Corporation (TNCSC)	2015-16	67.74	2016-17	4.00	---	---
10.	Tamil Nadu Skill Development Corporation Limited (TNSDC)	2015-16	0.05	2016-17	---	---	84.20
11.	Tamil Nadu Warehousing Corporation Limited	2015-16	7.61	2016-17	---	---	81.00
	TOTAL				7,141.84	23,779.07	2,342.83

ANNEXURE-2

Summarised financial position and working results of Government companies and Statutory corporation as per their latest finalised financial statements/accounts
(Referred to in paragraph 1.14)

(Figures in Column (5) to (12) are ₹ in crore)

Sl. No.	Sector/Name of the Company	Period of accounts	Year in which accounts finalised	Paid-up capital	Loans outstanding at the end of the year	Accumulated profit(+)/ Loss(-)	Turnover	Net profit(+)/ Loss(-)	Net impact of audit comments	Capital employed	Return on capital employed	Percentage of return on capital employed	Man-power
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
A. Working Government Companies													
	AGRICULTURE & ALLIED												
1.	Tamil Nadu Fisheries Development Corporation Limited (TN Fisheries)	2016-17	2017-18	4.46	0.03	22.56	462.15	8.03		49.18	8.21	16.69	127
2.	Tamil Nadu Forest Plantation Corporation Limited (TAFCON)	2016-17	2017-18	5.64	0.00	187.12	84.12	18.31		210.73	18.36	8.71	286
3.	Tamil Nadu Tea Plantation Corporation Limited (TANTEA)	2016-17	2017-18	14.96	51.18	(-)65.00	71.00	(-)9.17		1.14	(-)6.39	---	5,045
4.	Arasu Rubber Corporation Limited (ARC)	2016-17	2017-18	8.45	---	(-)14.29	23.63	(-)10.39		8.74	(-)10.39	---	1,180
	Sector-wise total			33.51	51.21	130.39	640.90	6.78		269.79	9.79	3.63	6,638
	FINANCE												
5.	Tamil Nadu Industrial Investment Corporation Limited (TIIC)	2016-17	2017-18	321.00	597.90	45.06	235.06	30.97		1,119.94	161.12	14.39	407
6.	Tamil Nadu Handloom Development Corporation Limited (TN Handloom)	2016-17	2017-18	4.29	2.17	(-)1.69	7.68	0.11		4.77	0.71	14.88	4
7.	Tamil Nadu Small Industries Development Corporation Limited (TN SIDCO)	2015-16	2016-17	24.70	---	80.24	77.03	5.73		104.94	6.79	6.47	301

(Figures in Column (5) to (12) are ₹ in crore)

Sl. No.	Sector/Name of the Company	Period of accounts	Year in which accounts finalised	Paid-up capital	Loans outstanding at the end of the year	Accumulated profit(+)/ Loss(-)	Turnover	Net profit(+)/ Loss(-)	Net impact of audit comments	Capital employed	Return on capital employed	Percentage of return on capital employed	Man-power
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
8.	Tamil Nadu Adi-draavidar Housing and Development Corporation Limited (TAHDCO)	2014-15	2016-17	128.27	0.09	42.80	16.93	2.63		173.27	2.96	1.71	243
9.	Tamil Nadu Transport Development Finance Corporation Limited (TDFC)	2016-17	2017-18	61.74	---	92.83	290.00	5.71		2,124.57	283.87	13.36	28
10.	Tamil Nadu Backward Classes Economic Development Corporation Limited (TABCEDCO)	2014-15	2015-16	12.27	---	21.82	5.10	5.05		134.99	6.63	4.91	18
11.	Tamil Nadu Corporation for Development of Women Limited (TN Women)	2015-16	2017-18	0.78	---	28.39	220.93	5.72		29.52	5.72	19.38	491
12.	Tamil Nadu Urban Finance and Infrastructure Development Corporation Limited (TUFIDCO)	2016-17	2017-18	32.00	2.67	97.32	42.06	16.60		457.04	35.46	7.76	32
13.	Tamil Nadu Minorities Economic Development Corporation Limited (TAMCO)	2015-16	2017-18	2.05	0.00	19.28	7.06	0.83		65.59	4.23	6.45	4
14.	Tamil Nadu Infrastructure Fund Management Corporation Limited (TN Infra Management)	2016-17	2017-18	32.30	0.00	0.34	7.50	0.26		32.64	0.26	0.80	6
	Sector-wise total			619.40	602.83	426.39	909.35	73.61		4,247.27	507.75	11.95	1,534
	INFRASTRUCTURE												
15.	Tamil Nadu Industrial Development Corporation Limited (TIDCO)	2015-16	2016-17	72.03	---	340.33	129.59	117.93		521.02	131.21	25.18	52
16.	State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT)	2015-16	2016-17	123.91	---	857.05	260.21	99.96		1,003.13	99.96	9.96	182
17.	Tamil Nadu Police Housing Corporation Limited (TN Police Housing)	2016-17	2017-18	1.00	---	49.86	170.54	10.51		50.86	10.51	20.66	332

Audit Report (Public Sector Undertakings) for the year ended 31 March 2017

(Figures in Column (5) to (12) are ₹ in crore)

Sl. No.	Sector/Name of the Company	Period of accounts	Year in which accounts finalised	Paid-up capital	Loans outstanding at the end of the year	Accumulated profit(+)/ Loss(-)	Turnover	Net profit(+)/ Loss(-)	Net impact of audit comments	Capital employed	Return on capital employed	Percentage of return on capital employed	Man-power
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
18.	TIDEL Park Limited (TIDEL, Chennai)	2016-17	2017-18	44.00	---	368.13	65.62	49.28		416.72	49.28	11.83	28
19.	Tamil Nadu Rural Housing and Infrastructure Development Corporation Limited (TN Rural Housing)	2015-16	2017-18	3.00	617.46	1.01	---	(-)0.92		621.88	61.58	9.90	---
20.	Nilakottai Food Park Limited (Nilakottai)	2015-16	2017-18	0.68	---	0.06	---	0.11		0.75	0.11	14.67	---
21.	Guindy Industrial Estate Infrastructure Upgradation Company (Guindy Industrial Estate)	2015-16	2016-17	0.01	---	(-)0.03	---	(-)0.03		(-)0.02	(-)0.03	---	1
22	Tamil Nadu Road Infrastructure Development Corporation (TN Road Infrastructure)	2016-17	2017-18	5.00	---	2.19	1.86	0.08		7.19	0.08	1.11	2
23	Tamil Nadu Road Development Company Limited (TNRDC)	2016-17	2017-18	10.00	185.92	27.86	20.18	2.32		370.29	9.24	2.50	65
24.	IT Expressway	2016-17	2017-18	44.05	138.30	47.98	59.48	33.39		241.65	44.27	18.32	46
25.	TIDEL Park Coimbatore Limited (TIDEL, Coimbatore)	2016-17	2017-18	177.11	201.84	(-)32.91	37.77	(-)4.17		311.04	18.93	6.09	20
26.	Adyar Poonga	2016-17	2017-18	0.10	---	---	---	---		0.10	---	---	---
27.	TICEL Bio Park Limited (TICEL Bio Park)	2016-17	2017-18	89.00	0.66	(-)21.60	26.08	(-)10.87		145.90	(-)3.19	---	15
28.	Tamil Nadu Polymer Industries Park Limited (TNPIL LIMITED)	2015-16	2016-17	2.71	---	(-)0.55	---	(-)0.55		2.16	(-)0.55	---	---
29.	Madurai Thoothukudi Industrial Corridor Development Corporation Limited (MTICD Limited)	2015-16	2016-17	0.05	---	---	---	---		0.16	---	---	---
	Sector-wise total			572.65	1,144.18	1,639.38	771.33	297.04		3,692.83	421.40	11.41	743

(Figures in Column (5) to (12) are ₹ in crore)

Sl. No.	Sector/Name of the Company	Period of accounts	Year in which accounts finalised	Paid-up capital	Loans outstanding at the end of the year	Accumulated profit(+)/ Loss(-)	Turnover	Net profit(+)/ Loss(-)	Net impact of audit comments	Capital employed	Return on capital employed	Percentage of return on capital employed	Man-power
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	MANUFACTURING												
30.	Tamil Nadu Small Industries Corporation Limited (TANSI)	2015-16	2016-17	20.00	---	87.83	51.80	4.88		303.78	5.45	1.79	79
31.	Tamil Nadu Textiles Corporation Limited (TN Textiles)	2016-17	2017-18	1.54	5.68	(-)0.61	25.91	0.68		6.74	1.42	21.07	121
32.	Tamil Nadu Zari Limited (TN Zari)	2016-17	2017-18	0.34	0.25	2.76	34.52	0.17		3.58	0.20	5.59	88
33.	Tamil Nadu Handicrafts Development Corporation Limited (TN Handicrafts)	2016-17	2017-18	3.22	---	5.83	40.07	1.13		11.72	1.13	9.64	123
34.	Tamil Nadu Salt Corporation Limited (TN Salt)	2016-17	2017-18	6.34	---	9.37	38.49	0.47		16.21	0.60	3.70	67
35.	Tamil Nadu Sugar Corporation Limited (TASCO)	2015-16	2016-17	80.59	62.85	(-)159.34	61.41	(-)41.44		(-)48.96	(-)37.13	---	245
36.	Tamil Nadu Cements Corporation Limited (TANCEM)	2015-16	2017-18	62.27	73.90	(-)15.54	948.81	10.19		71.58	12.75	17.81	437
37.	Perambalur Sugar Mills Limited (PSM) (subsidiary of TASCO)	2015-16	2016-17	37.62	128.44	(-)237.55	58.46	(-)44.48		(-)102.16	(-)34.39	---	237
38.	Tamil Nadu Minerals Limited (TAMIN)	2016-17	2017-18	15.74	---	105.21	112.36	(-)5.03		120.95	(-)5.03	---	1,079
39.	Tamil Nadu Magnesite Limited (TANMAG)	2016-17	2017-18	16.65	31.96	63.92	95.02	21.74		80.57	26.87	33.35	320
40.	Tamil Nadu Industrial Explosives Limited (TIEL)	2015-16	2016-17	27.03	45.63	(-)154.82	21.09	(-)13.51		(-)111.61	(-)8.39	---	294
41.	Tamil Nadu Medicinal Plant Farms and Herbal Medicine Corporation Limited (TAMPCOL)	2016-17	2017-18	3.00	---	17.31	37.22	3.21		22.04	3.21	14.56	98
42.	Tamil Nadu Paints and Allied Products Limited (TAPAP)	2015-16	2016-17	0.02	---	2.06	2.15	0.25		2.08	0.32	15.38	5

Audit Report (Public Sector Undertakings) for the year ended 31 March 2017

(Figures in Column (5) to (12) are ₹ in crore)

Sl. No.	Sector/Name of the Company	Period of accounts	Year in which accounts finalised	Paid-up capital	Loans outstanding at the end of the year	Accumulated profit(+)/ Loss(-)	Turnover	Net profit(+)/ Loss(-)	Net impact of audit comments	Capital employed	Return on capital employed	Percentage of return on capital employed	Man-power
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
43.	Tamil Nadu Newsprint and Papers Limited (TNPL)	2016-17	2017-18	69.38	2,080.84	109.32	3,093.97	257.53		3,356.77	509.55	15.18	2,746
	Sector-wise total			343.74	2,429.55	(-)164.25	4,621.28	195.79		3,733.29	476.56	12.77	5,939
	POWER												
44.	Tamil Nadu Power Finance and Infrastructure Development Corporation Limited (TN Powerfin)	2016-17	2017-18	90.00	---	481.10	2,236.96	129.74		12,251.41	2,006.66	16.38	28
45.	Udangudi Power Corporation Limited (Udangudi Power)	2016-17	2017-18	65.00	4.00	0.56	---	---		65.56	---	---	---
46.	TNEB Limited	2014-15	2016-17	15,364.39	---	(-)0.86	---	(-)0.26		15,363.53	(-)0.26	---	---
47.	Tamil Nadu Transmission Corporation Limited (TANTRANSCO)	2015-16	2016-17	4,135.53	12,768.61	1,168.11	2,305.24	(-)263.40		21,436.59	796.41	3.72	---
48.	Tamil Nadu Generation and Distribution Corporation Limited (TANGEDCO)	2015-16	2016-17	13,778.28	85,208.75	(-)63,162.38	49,210.85	(-)5,786.82		35,120.62	3,035.03	8.64	86,997
	Sector-wise total			33,433.20	97,981.36	(-)61,513.47	53,753.05	(-)5,920.74		84,237.71	(-)5,837.84	6.93	87,025
	SERVICE												
49.	Tamil Nadu Tourism Development Corporation Limited (TTDC)	2015-16	2016-17	10.43	8.00	37.43	93.76	(-)0.21		64.88	0.25	0.39	339
50.	Tamil Nadu Civil Supplies Corporation (TNCSC)	2015-16	2017-18	67.74	---	---	10,093.74	---		77.06	154.92	201.04	14,357
51.	Poompuhar Shipping Corporation Limited (PSC)	2015-16	2016-17	20.53	---	14.36	554.38	4.20		34.89	6.38	18.29	105
52.	Electronics Corporation of Tamil Nadu Limited (ELCOT)	2016-17	2017-18	25.93	---	99.55	19.11	20.58		286.49	30.11	10.51	140
53.	Overseas Manpower Corporation Limited (OMPC)	2015-16	2016-17	0.15	---	0.49	1.58	0.13		0.64	0.13	20.31	10

(Figures in Column (5) to (12) are ₹ in crore)

Sl. No.	Sector/Name of the Company	Period of accounts	Year in which accounts finalised	Paid-up capital	Loans outstanding at the end of the year	Accumulated profit(+)/ Loss(-)	Turnover	Net profit(+)/ Loss(-)	Net impact of audit comments	Capital employed	Return on capital employed	Percentage of return on capital employed	Man-power
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
54.	Tamil Nadu Skill Development Corporation Limited (TNSDC)	2015-16	2016-17	0.05	---	0.18	---	0.06		0.23	0.06	26.09	13
55.	Tamil Nadu State Marketing Corporation Limited (TASMAC)	2015-16	2016-17	15.00	---	(-)180.83	30,287.29	(-)125.64		(-)150.37	158.30	---	26,978
56.	Pallavan Transport Consultancy Services Limited (PTCS)	2016-17	2017-18	0.10	---	(-)3.12	1.00	(-)0.03		(-)1.38	(-)0.03	---	8
57.	Tamil Nadu Medical Services Corporation Limited (TN Medical)	2016-17	2017-18	4.04	---	14.86	40.68	0.18		54.47	0.18	0.33	593
58.	Tamil Nadu Ex-servicemen's Corporation Limited (TEXCO)	2016-17	2017-18	0.23	---	121.32	212.30	16.49		121.55	16.49	13.57	92
59.	Metropolitan Transport Corporation Limited (MTC)	2016-17	2017-18	589.30	347.04	(-)3,022.03	1,370.22	(-)519.48		(-)2,145.29	(-)404.14	---	23,895
60.	State Express Transport Corporation Limited (SETC)	2016-17	2017-18	360.33	552.38	(-)1,793.56	578.69	(-)177.09		(-)1,090.98	(-)93.31	---	6,417
61.	Tamil Nadu State Transport Corporation (Coimbatore) Limited (TNSTC, Coimbatore)	2016-17	2017-18	385.94	277.59	(-)2,918.25	1,148.60	(-)480.80		(-)2,046.91	(-)360.48	---	18,683
62.	Tamil Nadu State Transport Corporation (Kumbakonam) Limited (TNSTC, Kumbakonam)	2016-17	2017-18	359.08	413.81	(-)2,486.94	1,488.83	(-)477.22		(-)1,709.46	(-)358.98	---	24,692
63.	Tamil Nadu State Transport Corporation (Salem) Limited (TNSTC, Salem)	2016-17	2017-18	170.00	100.58	(-)1,737.23	845.42	(-)305.30		(-)1,305.44	(-)239.43	---	13,516
64.	Tamil Nadu State Transport Corporation (Villupuram) Limited (TNSTC, Villupuram)	2016-17	2017-18	295.96	145.26	(-)1,924.64	1,501.83	(-)376.13		(-)1,406.56	(-)302.21	---	22,530
65.	Tamil Nadu State Transport Corporation (Madurai) Limited (TNSTC, Madurai)	2016-17	2017-18	525.69	32.03	(-)2,768.77	966.59	(-)345.35		(-)1,856.67	(-)274.34	---	15,089

(Figures in Column (5) to (12) are ₹ in crore)

Sl. No.	Sector/Name of the Company	Period of accounts	Year in which accounts finalised	Paid-up capital	Loans outstanding at the end of the year	Accumulated profit(+)/ Loss(-)	Turnover	Net profit(+)/ Loss(-)	Net impact of audit comments	Capital employed	Return on capital employed	Percentage of return on capital employed	Man-power
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
66.	Tamil Nadu State Transport Corporation (Tirunelveli) Limited (TNSTC, Tirunelveli)	2016-17	2017-18	141.31	31.67	(-)2,543.90	676.51	(-)368.02		(-)1,712.54	(-)243.56	---	12,478
67.	Arasu Cable TV Corporation Limited (Arasu Cable TV)	2015-16	2016-17	25.00	11.69	34.49	218.03	34.95		76.10	36.83	48.40	1,545
	Sector-wise total			2,996.81	1,920.05	(-)19,056.59	50,098.56	(-)3,098.68		(-)12,709.29	(-)1,872.83	---	1,81,480
	Total A (All sector-wise working Government Companies)			37,999.31	1,04,129.18	(-)78,538.15	1,10,794.47	(-)8,446.20		83,471.60	5,380.51	6.45	2,83,359
B.	Working Statutory Corporations												
	SERVICE												
1.	Tamil Nadu Warehousing Corporation (TANWARE)	2015-16	2016-17	7.61	---	102.13	55.96	10.97		109.74	10.97	10.00	251
	Total B (All sector-wise working Statutory Corporations)			7.61	---	102.13	55.96	10.97		109.74	10.97	10.00	251
	Grand total (A+B)			38,006.92	1,04,129.18	(-)78,436.02	1,10,850.43	(-)8,435.23		83,581.34	5,391.48	6.45	2,83,610
C.	Non-working Government Companies												
	AGRICULTURE & ALLIED												
1.	Tamil Nadu Agro Industries Development Corporation Limited (TN AGRO)	2012-13	2015-16	6.01	20.96	(-)79.62	---	(-)2.73		17.56	0.91	5.18	---
2.	Tamil Nadu Poultry Development Corporation Limited (TAPCO)	2015-16	2017-18	1.27	---	(-)10.37	---	---		(-)0.73	---	---	---
	Sector-wise total			7.28	20.96	(-)89.99	---	(-)2.73		16.83	0.91	5.41	---

(Figures in Column (5) to (12) are ₹ in crore)

Sl. No.	Sector/Name of the Company	Period of accounts	Year in which accounts finalised	Paid-up capital	Loans outstanding at the end of the year	Accumulated profit(+)/ Loss(-)	Turnover	Net profit(+)/ Loss(-)	Net impact of audit comments	Capital employed	Return on capital employed	Percentage of return on capital employed	Man-power
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	INFRASTRUCTURE												
3.	Tamil Nadu State Construction Corporation Limited (TN State Construction)	2010-11 to 2013-14	2017-18	5.00	1.00	(-)45.70	---	(-)4.64		(-)17.84	---	---	64
	Sector-wise total			5.00	1.00	(-)45.70	---	(-)4.64		(-)17.84	---	---	64
	MANUFACTURING												
4.	Southern Structurals Limited (SSL)	2016-17	2017-18	34.54	---	(-)268.48	---	(-)11.41		(-)230.34	(-)0.18	---	---
5.	State Engineering and Servicing Company of Tamil Nadu Limited (SESCOT) (subsidiary of TANSI)	2016-17	2017-18	0.50	---	(-)12.73	---	(-)0.03		0.01	(-)0.03	---	---
	Sector-wise total			35.04	---	(-)281.21	---	(-)11.44		(-)230.33	(-)0.21	---	---
	SERVICE												
6.	Tamil Nadu Goods Transport Corporation Limited (TN Goods)	1989-90		0.33	---	(-)1.33	---	---		(-)0.30	0.07	---	---
	Sector-wise total			0.33	---	(-)1.33	---	---		(-)0.30	0.07	---	---
	Total C (All sector-wise non-working Government companies)			47.65	21.96	(-)418.23	---	(-)18.81		(-)231.64	0.77	(-)0.33	64
	Grand total (A+B+C)			38,054.57	1,04,151.14	(-)78,854.25	1,10,850.43	(-)8,454.04	---	83,349.70	5,392.25	6.47	2,83,674

NOTE:

- Loans outstanding at the close of 2016-17 represent long-term loans only.
- Capital Employed represents Share Holders Funds PLUS Long Term Borrowings.
- Return on Capital Employed has been worked out by adding Profit and Interest charged to Profit and Loss Account.
- Accumulated loss of ₹ 34,741.35 crore relating to erstwhile Tamil Nadu Electricity Board upto October 2010 has not been transferred to TANGEDCO and TANTRANSCO, as the restructuring process is pending till date (November 2017).

ANNEXURE-3

(Referred to in Paragraph 2.1.1)

Statement showing installed capacity of Gas Turbine Power Stations of TANGEDCO

Sl.No.	Station	Particulars				Actual date of commissioning	
		Number of GTG/STG ¹³⁹	Capacity of GTG/STG (in MW)	Total Capacity (in MW) (2 x 3)	Actual cost of the project (₹ in crore)	Open cycle	Combined cycle
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.	BBGTPS	4 GTG	30.00	120.00	490.23	12.02.1996 to 31.03.1996	
2.	TGTPS	1 GTG	69.65	107.88	305.00	05.02.2001	30.03.2001
		1 STG	38.23				
3.	KGTPS	1 GTG	64.00	101.00	346.00	27.11.2003	24.03.2004
		1 STG	37.00				
4.	VGTPS-I	1 GTG	59.90	95.00	345.00	24.12.2002	13.03.2003
		1 STG	35.10				
	VGTPS-II	1 GTG	58.50	92.20	355.53	06.05.2008	31.08.2008
		1 STG	33.70				
Total				516.08	1,841.76		

¹³⁹ GTG – Gas Turbine Generator, STG – Steam Turbine Generator.

ANNEXURE-4

(Referred to in Paragraph 2.1.7)

Statement showing profit/loss from operation in TGTPS, KGTPS and VGTPS

	2012-13			2013-14			2014-15			2015-16			2016-17		
	TGTPS	KGTPS	VGTPS	TGTPS	KGTPS	VGTPS	TGTPS	KGTPS	VGTPS	TGTPS	KGTPS	VGTPS	TGTPS	KGTPS	VGTPS
Average rate of realisation (₹ per unit)	5.05	5.05	5.05	4.92	4.92	4.92	5.53	5.53	5.53	5.97	5.97	5.97	6.23	6.23	6.23
Less: Variable cost (₹ per unit)	1.91	4.28	2.03	2.41	2.22	2.24	2.91	2.83	2.43	3.31	2.82	3.48	2.31	2.34	2.21
Contribution (₹ per unit)	3.14	0.77	3.02	2.51	2.70	2.68	2.62	2.70	3.10	2.66	3.15	2.49	3.92	3.89	4.02
Generation available for sale (net of auxiliary consumption) (MU)	682.66	51.09	879.90	457.65	594.39	1,180.79	373.23	452.73	1,014.80	363.40	518.84	680.47	308.97	335.93	906.90
Total Contribution (₹ in crore)	214.36	3.93	265.73	114.87	160.49	316.45	97.79	122.24	314.59	96.66	163.43	169.44	121.12	130.68	364.57
Fixed cost ¹⁴⁰ (₹ in crore)	143.14	57.42	178.21	202.74	229.62	249.81	235.22	122.07	288.83	246.13	215.37	332.79	257.88	223.02	331.15
Profit/(Loss) from operation (₹ in crore)	71.22	(53.49)	87.52	(87.87)	(69.13)	66.64	(137.43)	0.17	25.76	(149.47)	(51.94)	(163.35)	(136.76)	(92.34)	33.42

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Fixed cost includes interest on loan capital, depreciation, return on equity, operation and maintenance expenditure and interest on working capital.

ANNEXURE-5

(Referred to in Paragraph 2.1.8)

Statement showing Generation¹⁴¹ as per norms and Actual Generation

Station	Normative PLF (in percentage)	Generation to be achieved as per normative PLF (in MU)	Actual and Shortfall														
			2012-13			2013-14			2014-15			2015-16			2016-17		
			Actual PLF (in percentage)	Gross Generation (in MU)	Shortfall in Generation (in MU)	Actual PLF (in percentage)	Gross Generation (in MU)	Shortfall in Generation (in MU)	Actual PLF (in percentage)	Gross Generation (in MU)	Shortfall in Generation (in MU)	Actual PLF (in percentage)	Gross Generation (in MU)	Shortfall in Generation (in MU)	Actual PLF (in percentage)	Gross Generation (in MU)	Shortfall in Generation (in MU)
TGTPS	80.00	756.02	76.90	726.74	29.28	52.69	497.92	258.10	43.78	413.70	342.32	42.12	399.10	356.92	36.82	347.98	408.04
KGTPS	80.00	707.81	6.31	55.84	651.97	72.49	641.37	66.44	56.21	497.36	210.45	63.54	563.68	144.13	42.55	376.50	331.31
VGTPS-I	80.00	665.76	54.74	449.41	216.35	87.64	729.33	(-)63.57	86.76	700.58	(-)34.82	86.66	721.18	(-)55.42	82.69	688.17	(-) 22.41
VGTPS-II	80.00	646.14	60.39	488.02	158.12	65.18	526.33	119.81	47.09	380.30	265.84	0.00	0.00	646.14	31.73	278.48	367.66
Total					1,055.72			380.78			783.79			1,091.77			1,084.60

Total Loss of Generation – 4,396.66 MU

¹⁴¹ Gross Generation including auxiliary consumption.

ANNEXURE-6

(Referred to in Paragraph 2.1.10)

Statement showing statutory inspections carried out

Type of inspection	Due as per OEM recommendation (fired hours)	TGTPS		KGTPS		VGTPS-I		VGTPS-II	
		Actual fired hours as on date of inspection	Period of inspection	Actual fired hours as on date of inspection	Period of inspection	Actual fired hours as on date of inspection	Period of inspection	Actual fired hours as on date of inspection	Period of inspection
Combustion Inspection	After every 8,000 hours	12,300	28.08.02 to 22.09.02	11,745	17.07.05 to 24.08.05	11,226	26.05.04 to 30.07.04	38,442	30.07.13 to 04.08.13
		19,732	28.07.03 to 02.08.03	20,360	22.08.06 to 24.09.06	22,709	21.12.05 to 30.12.05	---	---
		33,700	03.03.05 to 20.04.05	42,796	17.02.11 to 22.02.11	52,908	22.08.09 to 25.08.09	---	---
		44,493	30.07.06 to 04.08.06	59,349	05.06.14 to 19.06.14	83,131	21.11.13 to 25.11.13	---	---
		86,046	05.09.11 to 10.09.11	---	---	105,679	14.08.16 to 16.08.16	---	---
		1,02,386	08.08.13 to 14.08.13	---	---	---	---	---	---
		1,21,167	16.12.15 to 22.12.15	---	---	---	---	---	---
Hot Gas Path Inspection	After every 24,000 hours	33,700	03.03.05 to 20.04.05	75,577	27.05.16 to 13.06.16	36,396	01.08.07 to 16.08.07	-	-
		1,11,230	03.09.14 to 17.09.14	---	---	92,428	02.01.15 to 14.01.15	---	---

Type of inspection	Due as per OEM recommendation (fired hours)	TGTPS		KGTPS		VGTPS-I		VGTPS-II	
		Actual fired hours as on date of inspection	Period of inspection	Actual fired hours as on date of inspection	Period of inspection	Actual fired hours as on date of inspection	Period of inspection	Actual fired hours as on date of inspection	Period of inspection
Major Inspection	After every 48,000 hours	55,474	10.12.07 to 10.01.08	---	---	72,450	11.03.12 to 02.05.12 (Forced major inspection)	51,565	06.11.14 to 18.12.14
		69,807	06.09.09 to 23.10.09	22,494	24.12.06 to 10.02.08 (Forced major inspection)	73,716	30.07.12 to 18.10.12 (Forced major inspection)	---	---
		---	---	48,273	03.01.13 to 21.02.13 (Forced major inspection)	---	---	---	---
GT refurbishment	---	---	---	---	---	---	---	16,505	25.11.10 to 07.05.11
IGV Inspection	---	---	---	---	---	---	---	31,142	02.10.02 to 06.10.02
Rehabilitation	---	---	---	---	---	---	---	52,986	26.07.16 to 26.09.16

ANNEXURE-7

(Referred to in Paragraph 2.1.10)

Statement showing forced outages in TGTPS, KGTPS and VGTPS

Station	Period	Forced outage hours		Reasons for major outages
		GT	ST	
TGTPS	2012-13	28	104	Air Filter replacement, low GBC suction pressure, tripping due to condenser tube punctures.
	2013-14	178	277	GTG bushing failure, HRSG bottom and IP Eco vent leak problem in GBC, combustion tube puncture.
	2014-15	27	427	Condenser tube leakage, rotor earth fault.
	2015-16	100	2163	Very high shaft vibration, very high turbine rear bearing vibration, GBC tripping.
	2016-17	16	720	Air Filter replacement, high vibration in GT Generator drive end bearing, Low condenser vacuum.
Total		349	3691	
KGTPS	2012-13	3	0	GT continued to be under outage for most part of the year due to rectification works for rotor.
	2013-14	137	234	Low suction flow in GBC, ST hand tripped due to GT tripping.
	2014-15	42	112	Low suction flow in GBC, defective HR system.
	2015-16	82	185	Tripping due to Gas Premix/Trim not tracking, low gas suction flow.
	2016-17	661	786	Low gas suction flow, primary and quaternary gas control valve not following reference trip, ST hand tripped since GBC got tripped.
Total		925	1317	
VGTPS-I	2012-13	3481	3675	High vibration in load gear box, GT failure due to heavy internal damages.
	2013-14	330	405	Tripping of auxiliaries, low gas pressure.
	2014-15	116	519	Gas premix trim valve not tracking, tripping of vacuum pump, tripping of GBC
	2015-16	355	744	Low gas pressure, tripping of GBC, high thrust bearing temperature, tripping of GBC.
	2016-17	69	165	Stator earth fault, tripping of GBC.

Station	Period	Forced outage hours		Reasons for major outages
		GT	ST	
Total		4351	5508	
VGTPS-II	2012-13	1435	2021	Defective air filters, high vibrations in HP boiler feed pump, failure of electronic control unit of inlet guide vane.
	2013-14	1000	2030	Tripping of GBC, surge protection, failure of HP boiler feed pump motor.
	2014-15	2080	2236	Surge protection, leak in HRSG, low discharge pressure of GBC, high turbine bearing vibration.
	2015-16	8784	8784	High turbine bearing vibration.
	2016-17	4530	4687	High turbine bearing vibration, HP pressure drop, surge protection.
Total		17829	19758	
Grand Total		23454	30274	

ANNEXURE-8

(Referred to in Paragraph 2.1.14)

Statement showing performance of steam turbo generator

Year	Station	Total Operated hours	Possible Generation during Operated hours (MU)	Actual generation (MU)	Shortfall in generation in comparison to possible generation during operated hours (MU)	Contribution per unit of generation (In ₹)	Total Contribution Loss (₹ in crore)
2012-13	TGTPS	8,376	317.28	230.55	86.73	3.14	27.23
	KGTPS	842	28.63	20.59	8.04	0.77	0.62
	VGTPS-I	4,968	174.38	146.07	28.31	3.02	8.55
	VGTPS-II	6,254	210.76	146.47	64.29	3.02	19.42
2013-14	TGTPS	7,744	293.34	167.25	126.09	2.51	31.65
	KGTPS	8,488	288.59	226.87	61.72	2.70	16.66
	VGTPS-I	8,209	288.14	247.08	41.06	2.68	11.00
	VGTPS-II	6,059	204.19	142.31	61.88	2.68	16.58
2014-15	TGTPS	7,931	300.43	151.12	149.31	2.62	39.12
	KGTPS	8,246	280.36	186.17	94.19	2.70	25.43
	VGTPS-I	7,986	280.31	233.29	47.02	3.10	14.58
	VGTPS-II	4,896	165.00	114.01	50.99	3.10	15.81

Year	Station	Total Operated hours	Possible Generation during Operated hours (MU)	Actual generation (MU)	Shortfall in generation in comparison to possible generation during operated hours (MU)	Contribution per unit of generation (In ₹)	Total Contribution Loss (₹ in crore)
2015-16	TGTPS	5,873	222.47	108.91	113.56	2.66	30.21
	KGTPS	8,443	287.06	203.94	83.12	3.15	26.18
	VGTPS-I	7,930	278.34	238.70	39.64	2.49	9.87
	VGTPS-II	---	---	---	---	2.49	0.00
2016-17	TGTPS	7,499	286.53	96.78	189.75	3.92	74.38
	KGTPS	7,975	295.08	150.56	144.52	3.89	56.22
	VGTPS-I	8,371	293.82	238.64	55.18	4.02	22.18
	VGTPS-II	4,173	140.63	91.94	48.69	4.02	19.57
		1,30,263	4,635.34	3,141.25	1,494.09		465.26

ANNEXURE-9

(Referred to in Paragraph 2.1.16)

Statement showing excess consumption of gas due to excessive Station Heat Rate

	Gross Generation (MU)	Design Station Heat Rate (Kcal/Kwh)	Total Qty of gas consumed (MSCM)	Average calorific value of gas (Kcal/SCM)	Heat required from gas for actual generation (million Kcal) (1x 2)	Gas required for actual generation (MSCM) (5/4)	Excess consumption (MSCM) (3-6)	Average Cost of gas (₹. per SCM)	Value of excess consumption (₹. in crore) (7*8)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2012-13									
TGTPS	726.74	1,670	140.07	9,502	12,13,656	127.73	12.34	9.33	11.51
KGTPS	55.84	1,868	10.45	9,446	1,04,309	11.04	-0.59	15.40	-0.91
VGTPS –I	449.41	1,671	92.05	8,732	7,50,964	86.00	6.05	8.50	5.14
VGTPS –II	488.02	1,676	107.46	8,022	8,17,922	101.96	5.5	8.50	4.68
2013-14									
TGTPS	497.92	1,670	105.98	9,579	8,31,526	86.81	19.17	10.38	19.90
KGTPS	641.37	1,868	127.19	9,340	11,98,079	128.27	-1.08	10.90	-1.18
VGTPS –I	729.33	1,671	147.45	8,874	12,18,710	137.34	10.11	9.96	10.07
VGTPS –II	526.33	1,676	116.61	8,787	8,82,129	100.39	16.22	9.96	16.16
2014-15									
TGTPS	413.70	1,670	91.88	9,600	6,90,879	71.97	19.91	12.53	24.95
KGTPS	497.36	1,868	106.60	9,334	9,29,068	99.54	7.06	13.00	9.18

	Gross Generation (MU)	Design Station Heat Rate (Kcal/Kwh)	Total Qty of gas consumed (MSCM)	Average calorific value of gas (Kcal/SCM)	Heat required from gas for actual generation (million Kcal) (1x 2)	Gas required for actual generation (MSCM) (5/4)	Excess consumption (MSCM) (3-6)	Average Cost of gas (₹. per SCM)	Value of excess consumption (₹. in crore) (7*8)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
VGTPS –I	700.58	1,671	144.44	8,787	11,70,669	133.23	11.21	11.91	13.35
VGTPS –II	380.30	1,676	82.86	8,787	6,37,382	72.54	10.32	11.91	12.29
2015-16									
TGTPS	399.10	1,670	94.77	9,612	6,66,497	69.34	25.43	12.99	33.03
KGTPS	563.68	1,868	117.16	9,544	10,52,954	110.33	6.83	13.90	9.49
VGTPS –I	721.18	1,671	146.97	8,792	12,05,091	137.07	9.90	13.27	13.14
VGTPS –II	000.000	1,676	000.00	0	0	0	0	13.27	0.00
2016-17									
TGTPS	347.98	1,670	88.51	9,551	5,81,126	60.84	27.67	11.72	32.43
KGTPS	376.50	1,868	88.11	9,401	7,03,302	74.81	13.30	11.89	15.81
VGTPS –I	688.17	1,671	141.77	8,770	11,49,932	131.12	10.65	11.21	11.94
VGTPS –II	278.48	1,676	60.45	8,770	4,66,732	53.22	7.23	11.21	8.10
						TOTAL	217.23		249.08

ANNEXURE-10

(Referred to in Paragraph 2.1.17)

Statement showing excess auxiliary consumption

Year	Name of the Station	Gross Generation (In MU)	Auxiliary consumption as allowed by TNERC at 6% (In MU)	Actual auxiliary consumption (In MU)	Percentage of actual consumption	Excess consumption over TNERC norms (In MU)	Contribution per unit of generation – (In ₹)	Value of excess consumption (₹ in crore)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
2012-13	TGTPS	726.74	43.60	44.07	6.06	0.47	3.14	0.15
	KGTPS	55.84	3.35	4.75	8.51	1.40	0.77	0.11
	VGTPS-I	449.41	26.96	26.80	5.96	(-)0.16	3.02	(-)0.05
	VGTPS-II	488.02	29.28	32.50	6.66	3.22	3.02	0.97
2013-14	TGTPS	497.92	29.88	40.27	8.09	10.39	2.51	2.61
	KGTPS	641.37	38.48	46.98	7.32	8.50	2.70	2.30
	VGTPS-I	729.33	43.76	42.98	5.89	(-)0.78	2.68	(-)0.21
	VGTPS-II	526.33	31.58	33.24	6.32	1.66	2.68	0.44
2014-15	TGTPS	413.70	24.82	40.49	9.79	15.67	2.62	4.11
	KGTPS	497.36	29.84	44.63	8.97	14.79	2.70	3.99
	VGTPS-I	700.58	42.03	41.36	5.90	(-)0.67	3.10	(-)0.21
	VGTPS-II	380.30	22.82	26.55	6.98	3.73	3.10	1.16
2015-16	TGTPS	399.10	23.95	35.70	8.95	11.75	2.66	3.13
	KGTPS	563.68	33.82	44.83	7.95	11.01	3.15	3.47
	VGTPS-I	721.18	43.27	41.28	5.72	(-)1.99	2.49	(-)0.50
	VGTPS-II	000.00	0.00	1.28	-	1.28	2.49	0.32

Year	Name of the Station	Gross Generation (In MU)	Auxiliary consumption as allowed by TNERC at 6% (In MU)	Actual auxiliary consumption (In MU)	Percentage of actual consumption	Excess consumption over TNERC norms (In MU)	Contribution per unit of generation – (In ₹)	Value of excess consumption (₹ in crore)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
2016-17	TGTPS	347.98	20.88	39.01	11.21	18.13	3.92	7.11
	KGTPS	376.50	22.59	40.58	10.78	17.99	3.89	7.00
	VGTPS-I	688.17	41.29	40.91	5.94	(-)0.38	4.02	(-)0.15
	VGTPS-II	278.48	16.71	18.83	6.76	2.12	4.02	0.85
TOTAL						118.13		36.60

ANNEXURE-11

(Referred to in Paragraph 2.1.20)

Statement showing availability of gas

(In million standard cubic metre)

Year	Name of the Station	Contracted quantity	Actual supply	Short supply compared to contracted quantity (3 – 4)	Percentage of short supply to contracted quantity (5/3 x 100)	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2012-13	TGTPS	164.25	140.07	24.18	14.72	
	KGTPS	164.25	10.45	153.80	93.64	GT Under shutdown due to rotor problem
	VGTPS-I	164.25	92.05	72.20	43.96	Heavy internal damage to GT
	VGTPS-II	159.87	107.46	52.41	32.78	GT under shutdown due to vibration
2013-14	TGTPS	164.25	105.98	58.27	35.48	
	KGTPS	164.25	127.19	37.06	22.56	
	VGTPS-I	164.25	147.45	16.80	10.23	
	VGTPS-II	159.87	116.61	43.26	27.06	GT Shutdown due to gear box oil leak
2014-15	TGTPS	164.25	91.88	72.37	44.06	
	KGTPS	164.25	106.60	57.65	35.10	
	VGTPS-I	164.25	144.44	19.81	12.06	
	VGTPS-II	159.87	82.86	77.01	48.17	

(1)	(2)	(3)	(4)	(5)	(6)	(7)
2015-16	TGTPS	164.70	94.77	69.93	42.46	
	KGTPS	164.70	117.16	47.54	28.86	
	VGTPS-I	164.70	146.97	17.73	10.77	
	VGTPS-II	160.31	0.00	160.31	100.00	GT under shutdown due to vibration
2016-17	TGTPS	164.25	88.51	75.74	46.11	
	KGTPS	164.25	88.11	76.14	46.36	
	VGTPS-I	164.25	141.77	22.48	13.69	
	VGTPS-II	159.87	60.42	99.45	62.21	GT under shutdown due to vibration
Total		3264.89	2010.75			

ANNEXURE-12

(Referred to in Paragraph 2.1.21)

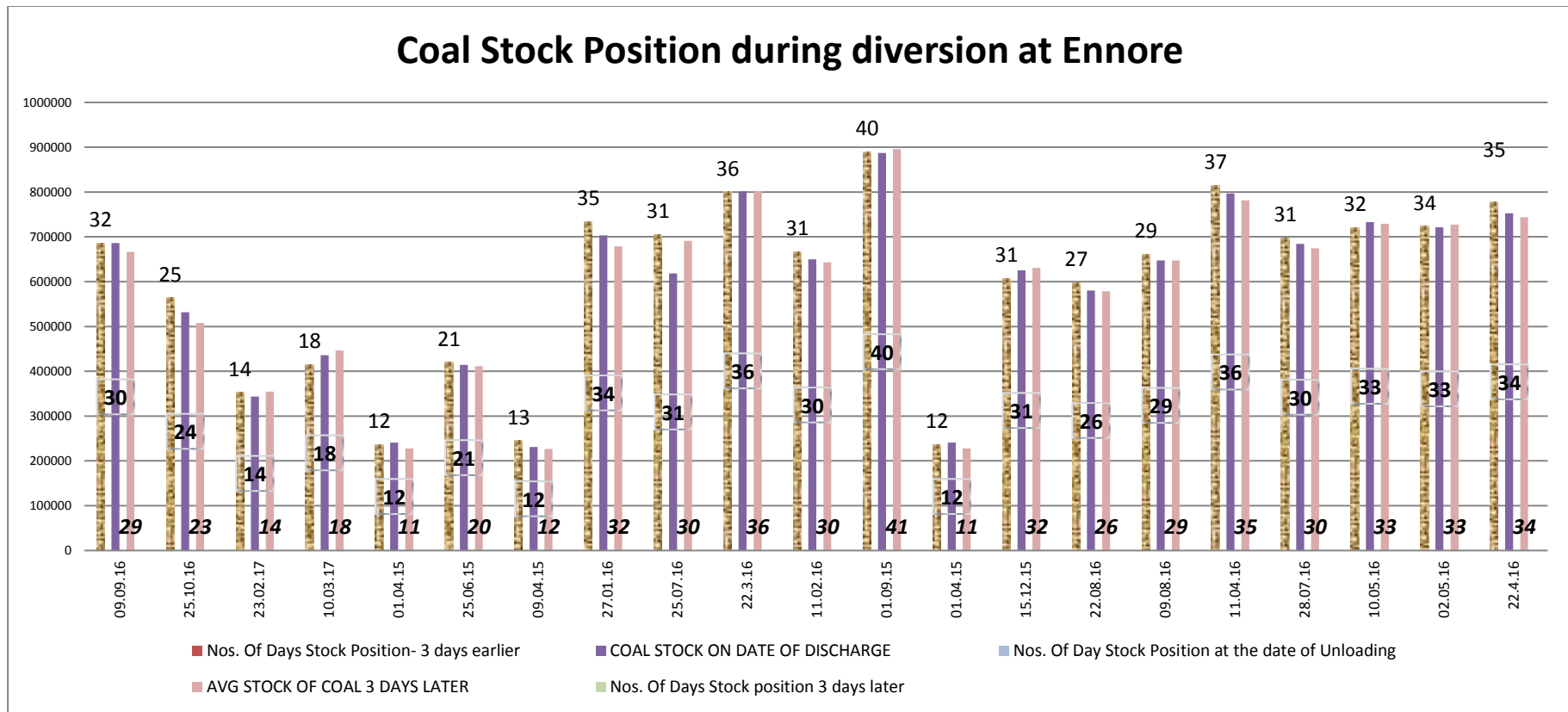
Statement showing loss of generation due to short supply of gas

Year	Name of the Station	Short supply compared to contracted quantity (million SCM)	Actual Heat rate (Kcal/Kwh)	Average calorific value of gas (Kcal)	Possible generation considering actual heat rate and calorific value (MU) ((2 x 4)/3)	Contribution per unit (In ₹)	Total loss of contribution – (₹ in crore) (5 x 6)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
2012-13	TGTPS	24.18	1,833	9,502	125.35	3.14	39.36
2013-14	TGTPS	58.27	2,051	9,579	272.14	2.51	68.31
	KGTPS	37.06	2,203	9,340	157.12	2.70	42.42
	VGTPS-I	16.80	1,777	8,874	83.90	2.68	22.48
2014-15	TGTPS	72.37	2,132	9,600	325.87	2.62	85.38
	KGTPS	57.65	2,428	9,334	221.62	2.70	59.84
	VGTPS-I	19.81	1,812	8,787	96.07	3.10	29.78
2015-16	KGTPS	47.54	2,380	9,544	190.64	3.15	60.05
	VGTPS-I	17.73	1,796	8,792	86.79	2.49	21.61
2016-17	KGTPS	76.14	2,200	9,401	325.36	3.89	126.56
	VGTPS-I	22.48	1,809	8,770	108.98	4.02	43.81
Total					1,993.84		599.60

ANNEXURE-13

(Referred to in Paragraph 3.1.8)

Graph showing coal stock position in Thermal Stations of Chennai and Mettur during diversion of vessels from Tuticorin to Ennore



ANNEXURE-14

(Referred to in Paragraph 3.1.11)

Statement showing avoidable pre-berthing charges

Sl.No.	Name of vessel	Charter party date	Charter rate(In ₹)	Date of arrival	Time of arrival	Date of berthing	Time of berthing	Period pre-berthing (In days)	Additional pre-berthing charges (In ₹)	Total (In ₹)
1.	MV Tamil Periyar	18.10.12	4,69,800	08.09.14	17.48	10.09.14	18.40	2.07	9,72,486	24,14,448
	MV Gem of Ennore		16,36,200	09.09.14	03.24	12.09.14	20.18	2.07	33,86,934	
2.	MV Tamil Kamaraj	18.10.12	4,69,800	22.09.14	15.00	23.09.14	19.00	0.59	2,77,182	6,88,176
	MV Gem of Ennore		16,36,200	22.09.14	14.30	24.09.14	09.12	0.59	9,65,358	
3.	MV Tamil Anna	21.01.17	4,22,500	18.03.17	02.24	27.03.17	17.42	1.49	6,29,525	1,13,985
	MV APJ Mahadev		4,99,000	18.03.17	06.30	29.03.17	05.24	1.49	7,43,510	
4.	MV Periyar	23.11.12	9,27,000	03.03.14	06.18	05.03.14	07.00	2.24	20,76,480	---
	MV APJ Suryavir		7,23,000	03.03.14	19.18	07.03.14	12.42	2.24	16,19,520	
5.	MV Tamil Periyar	23.11.12	9,27,000	17.03.14	05.18	20.03.14	07.30	0.30	2,78,100	---
	MV Suryavir		7,23,000	17.03.14	03.30	20.03.14	14.36	0.30	2,16,900	
6.	MV Tamil Anna	16.11.14	4,69,800	18.09.14	12.24	20.09.14	11.00	0.98	4,60,404	3,70,636
	MV APJ Jad		8,48,000	20.09.14	06.30	21.09.14	10.30	0.98	8,31,040	
7.	MV Tamil Kamaraj	23.11.12	5,79,500	05.12.14	12.50	08.12.14	10.06	1.05	6,08,475	1,50,675
	MV APJ Mahakali		7,23,000	07.12.14	00.00	09.12.14	11.12	1.05	7,59,150	
8.	MV Tamil Anna	18.10.12	4,53,000	12.12.15	23.24	14.07.15	14.30	1.94	8,78,820	22,95,408
	MV Gem of Ennore		16,36,200	14.12.15	13.00	16.07.15	13.00	1.94	31,74,228	
								TOTAL		60,33,328

ANNEXURE-15

(Referred to in Paragraph 3.2.1)

Statement showing status of the contracts awarded by TNRIDC

Sl. No.	Name of the work	Name of the contractor	Value of the contract (₹ in crore)	Value of work done (₹ in crore)	Date of Agreement	Due date of completion	Actual date of completion	Time over run (In months)	Remarks
	OICP – SingaperumalKoil - Sriperumpudur Road –(SH 57)								
	Phase I								
	Package-I (0-12 Kms)								
1.	Four laning of SingaperumalKoil - Sriperumpudur Road	M/s.RomanTarmat Limited	58.76	17.10	30.06.2008	30.09.2009	29.04.2011	19	The contract was terminated due to slow progress of work. The balance work was awarded to contractors as indicated in Sl.No 2 and 3 of the table.
2	Balance Work of Package -I - Four laning of SingaperumalKoil - Sriperumpudur Road	Thiru.S.Veluchamy	14.19	11.94	20.01.2012	21.07.2012	28.08.2014	25	Work completed in available work front.
3	Balance work in Reserve forest stretch package -I-Four laning of SingaperumalKoil - Sriperumpudur Road	M/s. S.P.K and Co.,	29.07	27.05	13.08.2014	21.11.2015	---	22	Work in progress.

Sl. No.	Name of the work	Name of the contractor	Value of the contract (₹ in crore)	Value of work done (₹ in crore)	Date of Agreement	Due date of completion	Actual date of completion	Time over run (In months)	Remarks
	Package-II (12- 24 kms)								
4	Four laning of Singaperumalkoil-Sriperumpudur road	M/s. SDCEPL & Co . (JV)	61.00	46.27	30.06.2008	30.09.2009	16.04.2013	43	The contract was foreclosed due to non-availability of work front. The balance work was awarded to contractor as indicated in Sl.No 5 of the table.
5	Residual Work of Four laning of Singaperumalkoil-Sriperumpudur road	M/s. Sunshine Infra Engineers India Private Limited	14.36	11.90	03.03.2014	02.01.2015		33	Work in progress.
	Package-III (34 -47 kms)								
	Oragadam Industrial Corridor – Vandalur – Wallajabad Road (SH 48)								
6	Four laning of Vandalur-Wallajabad Road	M/s. NAPC Limited	54.83	43.78	30.06.2008	29.09.2009	29.06.2013	45	The contract was foreclosed due to non-availability of work front. The balance work was awarded to contractor as indicated in Sl.No7 of the table.
7	Balance Work in Reserve Forest Stretch of four laning of Vandalur - Wallajabad road	M/s. SPK & Co.	13.01	12.93	16.07.2014	17.06.2015	22.04.2016	10	Work completed.

Sl. No.	Name of the work	Name of the contractor	Value of the contract (₹ in crore)	Value of work done (₹ in crore)	Date of Agreement	Due date of completion	Actual date of completion	Time over run (In months)	Remarks
	Package -IV (47-63/800 Kms)								
8.	Four laning of Vandalur - Wallajabad road	M/s.Roman Tarmat Limited	55.62	31.33	30.06.2008	30.09.2009	29.04.2011	19	The contract was terminated due to slow progress of work. The balance work in available work front was awarded to contractor as indicated in Sl.No 9 of the table.
9.	Balance work of four lane of Vandalur – Wallajabad road	M/s P.Janakiraman	12.27	8.26	13.10.2011	12.04.2012	27.05.2014	25	Work completed in available work front.
10.	Residual work of four lane to Vandalur – Wallajabad road	M/s SPK & Co.	23.77	22.09	23.01.2014	16.03.2015	24.08.2016	17	The contractor could not complete the work due to non-acquisition of land. Hence, the contract was foreclosed.
11.	Construction of grade separator at Oragadam junction at KM 47/4 of Vandalur – Wallajabad road	M/s East Coast Construction & Industries Limited	20.98	22.46	15.03.2010	14.09.2011	20.12.2014	39	Work completed.
	Phase-II								
	Oragadam Industrial Corridor – Singaperumalkoil - Sriperumpudur Road- SH 57 (12/6-24/6)								
12.	Four lane to six lane of Singaperumalkoil –	M/s Sunshine Infra Engineers India	96.4	91.76	24.06.2013	23.07.2015	30.03.2016	8	The contract was foreclosed due to non-availability of

Sl. No.	Name of the work	Name of the contractor	Value of the contract (₹ in crore)	Value of work done (₹ in crore)	Date of Agreement	Due date of completion	Actual date of completion	Time over run (In months)	Remarks
	Sriperumpudur Road	Private Limited							land.
	Phase-III								
	Oragadam Industrial Corridor – Singaperumalkoil - Sriperumpudur Road - SH -57 (0/6-12/6 kms)								
13.	Four lane to six lane at Singaperumalkoil – Sriperumpudur Road	M/s Sunshine Infra Engineers India Private Limited	88.43	84.57	12.06.2015	11.12.2016		9	Includes balance work of package I for ₹ 22.65 crore of which value of work done is ₹ 20.14 crore. Work in progress. 95% work completed.
14.	Four lane to six lane at Singaperumalkoil – Sriperumpudur Road	M/s SPK & Co.	43.29	40.96	19.06.2015	18.09.2016		12	Work in progress. 95% work completed.
	Phase-IV								
	Oragadam Industrial Corridor – Vandalur – Wallajabad Road SH 48 (30/40-47/00 KMs)								
15.	Four lane to six lane of Vandalur – Wallajabad Road (SH 48) KM 30/400-47/000	M/s JSR Infra Developers Private Limited	159.53	91.98	26.02.2016	25.02.2018			Includes balance work of package III for ₹ 3.16 crore of which value of work done is NIL. Work in progress. 58% work completed.
16.	Madurai Ring Road	M/s Balaji Tollways (Madurai) Private Ltd.	77.00		29.02.2016	12.04.2019			Work in Progress. Financial closure achieved on 13 April 2017.

ANNEXURE-16

(Referred to in Paragraph 3.2.3)

Statement showing additional compensation paid for land acquisition

Sl. No.	Name of the Village	No of survey	Square Meter	Award Amount (₹ in lakh)	Total days	Additional amount (₹ in lakh)	Days of delay(More than 180 days)	Additional amount for delay (₹ in lakh)
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)=f-180	(i)=g*h/f
1	Thirukatchur	113	38,600	759.50	2,501	294.15	2,321	272.98
			2,672	41.13	2,366	15.39	2,186	14.22
2	Appur	61	22,447	687.65	2,426	261.39	2,246	242.00
3	Kolathur	5	6,750	33.91	615	4.56	435	3.23
4	Venkatapuram	1	450	1.6	385	0.14	205	0.08
5	Senthamangalam	34	9,024	148.42	763	34.82	583	26.61
		3	1,766	34.12	2,369	12.78	2,189	11.81
6	Perumalthangal	2	4,350	59.34	1,188	13.7	1,008	11.62
7	Valayankaranai	33	14,780	187.83	836	32.77	656	25.71
8	Sennakuppam	34	15,680	295.29	1,116	64.95	936	54.47
9	Oragadam	56	38,000	1,060.16	986	211.47	806	172.86
		17	5,805	253.95	2,554	105.7	2,374	98.25
10	Vadakkupattu	18	12,430	173.17	770	28.22	590	21.63
11	Pondur-C	105	1,04,510	2,605.67	946	502.93	766	407.24
12	Sirukalathur	19	9,060	123.05	756	19.75	576	15.05
13	Vallam-A	70	37,041	905.97	610	121.08	430	85.35

Sl. No.	Name of the Village	No of survey	Square Meter	Award Amount (₹ in lakh)	Total days	Additional amount (₹ in lakh)	Days of delay(More than 180 days)	Additional amount for delay (₹ in lakh)
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)=f-180	(i)=g*h/f
14	Pondur-B	105	59,510	987.26	617	133.26	437	94.38
15	Vallam –B	105	39,136	1,103.70	922	208.62	742	167.89
16	Mathur	128	2,096	107.09	2,387	40.3	2,207	37.26
			56,705	1,954.11	1,141	437.3	961	368.31
17	Vadagal	97	44,503	1,179.08	1,843	374.71	1,663	338.11
			4,335	107.95	1,674	32.09	1,494	28.64
18	Vandalur	91	10,082	1,298.29	2,485	500.81	2,305	464.53
19	Mannivakkam	92	12,544	887.45	703	133.96	523	99.66
20	Karasangal	5	784	29.19	560	3.62	380	2.46
21	Thundalkalani	11	2,736	122.69	840	21.49	660	16.89
22	Athanancheri	15	1,962	85.32	770	13.91	590	10.66
23	Vanjuvancheri	4	1,605	6.15	364	0.52	184	0.26
24	Salamangalam	20	3,618	97.35	1,383	25.21	1,203	21.93
		9	3,400	130.77	2,692	52.95	2,512	49.41
25	Serpancheri and Serpancheri additional	9	1,120	20.09	856	3.57	676	2.82
		13	1,325	93.08	1,861	29.78	1,681	26.90
26	Oragadam VW	64	51,056	1,796.48	2,064	615.93	1,884	562.22

Sl. No.	Name of the Village	No of survey	Square Meter	Award Amount (₹ in lakh)	Total days	Additional amount (₹ in lakh)	Days of delay(More than 180 days)	Additional amount for delay (₹ in lakh)
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)=f-180	(i)=g*h/f
27	Thiruvamputheri	7	2,140	34.05	543	4.11	363	2.75
28	Panappakkam	5	800	39.81	1,267	9.65	1087	8.28
29	Venpakkam	4	3353	43.77	982	8.71	802	7.11
30	Wallajabad	70	10,235	383.95	1,293	94.56	1,113	81.40
		10	1,204	84.61	2,524	32.95	2344	30.60
31	Thalayampattu	6	2,879	20.94	524	2.45	344	1.61
32	Periamadurapakkam	5	2,837	3.98	359	0.33	179	0.17
33	Devariambakkam	58	20,371	183.78	707	27.88	527	20.78
34	Panruti-B	108	34,010	225.17	864	40.36	684	31.95
35	Nathanallur	105	29,490	310.14	785	51.36	605	39.58
		5	1,710	17.42	2,507	11.03	2,327	10.24
36	Uthukadu	57	23,032	401.11	777	65.86	597	50.60
37	Varanavasi	78	11,935	204.15	1246	48.89	1,066	41.82
38	Ambakkam	25	9,811	86.99	793	14.53	613	11.23
			1,511	13.12	580	1.68	400	1.16
39	Karanithangal	62	18,410	313.53	569	39.44	389	26.96
	Total							4,121.68

ANNEXURE-17

(Referred to in Paragraph 3.2.9)

Statement showing excess provision of DBM in strengthening the road

SLNo	From	To	Characteristic deflection (In mm)	Overlay thickness, (BM) adopted (In mm)	Adopting equivalency factor of 0.7 for DBM/BC (In mm)	DBM Adopted by Company (In mm)	Pavement design should have been adopted as per IRC 81-1981		Adopted & Executed by the Company		Difference in thickness (DBM) (In mm)	Length (In metres)	Width (In metres)	Total Quantity (In Cum)	Rate (In ₹)	Value of additional thickness (In ₹)
							BC (mm)	DBM (mm)	BC (mm)	DBM (mm)						
(a)	(b)	(c)	(d)	(e)	(f) = e*0.7	(g)	(h)	(i)	(j)	(k)	(l) = (k- i)/1000	(m)	(n)	(o) = l*m*n	(p)	(q) = o*p
1	30/835	31	1.301	145	101.5	108.75	40	65	40	70	0.005	165	5.8	4.785	5293	25327
2	31	32	1.346	145	101.5	108.75	40	65	40	70	0.005	1000	5.8	29	5293	153497
3	32	33	1.368	145	101.5	108.75	40	65	40	70	0.005	1000	5.8	29	5293	153497
4	33	34	1.13	158	110.6	110.6	40	70	40	70	0					
5	34	35	1.127	158	110.6	110.6	40	70	40	70	0					
6	35	36	1.117	154	107.8	108.6	40	70	40	70	0					
7	36	37	1.12	154	107.8	108.6	40	70	40	70	0					
8	37	38	1.144	154	107.8	108.6	40	70	40	70	0					
9	38	39	1.008	145	101.5	108.75	40	65	40	70	0.005	1000	5.8	29	5293	153497
10	39	40	1.065	145	101.5	102	40	65	40	70	0.005	1000	5.8	29	5293	153497
11	40	41	1.059	145	101.5	102	40	65	40	70	0.005	1000	5.8	29	5293	153497

Sl.No	From	To	Characteristic deflection (In mm)	Overlay thickness, (BM) adopted (In mm)	Adopting equivalency factor of 0.7 for DBM/BC (In mm)	DBM Adopted by Company (In mm)	Pavement design should have been adopted as per IRC 81-1981		Adopted & Executed by the Company		Difference in thickness (DBM) (In mm)	Length (In metres)	Width (In metres)	Total Quantity (In Cum)	Rate (In ₹)	Value of additional thickness (In ₹)
							BC (mm)	DBM (mm)	BC (mm)	DBM (mm)						
(a)	(b)	(c)	(d)	(e)	(f) = e*0.7	(g)	(h)	(i)	(j)	(k)	(l) = (k- i)/1000	(m)	(n)	(o) = l*m*n	(p)	(q) = o*p
12	41	42	1.011	142	99.4	99.4	40	60	40	70	0.01	1000	5.8	58	5293	306994
13	42	43	1.134	154	107.8	108.6	40	70	40	70	0					
14	43	44	1.115	154	107.8	108.6	40	70	40	70	0					
15	44	45	1.141	154	107.8	108.6	40	70	40	70	0					
16	45	46	1.149	154	107.8	108.6	40	70	40	70	0					
17	46	47	1.187	145	101.5	101.5	40	65	40	70	0.005	1000	5.8	29	5293	153497
18	47	48	1.153	154	107.8	108.6	40	70	40	70	0	1000	5.8	0	5200	---
19	48	49	1.211	145	101.5	108.75	40	65	40	70	0.005	1000	5.8	29	5200	150800
20	49	50	1.151	140	98	98	40	60	40	70	0.01	1000	5.8	58	5200	301600
21	50	51	1.202	145	101.5	108.75	40	65	40	70	0.005	1000	5.8	29	5200	150800
22	51	52	1.212	145	101.5	108	40	65	40	70	0.005	1000	5.8	29	5200	150800
23	52	53	1.22	145	101.5	108.75	40	65	40	70	0.005	1000	5.8	29	5200	150800
24	53	54	1.207	142	99.4	99.4	40	60	40	70	0.01	1000	5.8	58	5200	301600
25	54	55	1.193	140	98	98	40	60	40	70	0.01	1000	5.8	58	5200	301600
26	55	56	1.088	138	96.6	96.6	40	60	40	70	0.01	1000	5.8	58	5200	301600
27	56	57	1.207	142	99.4	99.4	40	60	40	70	0.01	1000	5.8	58	5200	301600

Sl.No	From	To	Characteristic deflection (In mm)	Overlay thickness, (BM) adopted (In mm)	Adopting equivalency factor of 0.7 for DBM/BC (In mm)	DBM Adopted by Company (In mm)	Pavement design should have been adopted as per IRC 81-1981		Adopted & Executed by the Company		Difference in thickness (DBM) (In mm)	Length (In metres)	Width (In metres)	Total Quantity (In Cum)	Rate (In ₹)	Value of additional thickness (In ₹)
							BC (mm)	DBM (mm)	BC (mm)	DBM (mm)						
(a)	(b)	(c)	(d)	(e)	(f) = e*0.7	(g)	(h)	(i)	(j)	(k)	(l) = (k- i)/1000	(m)	(n)	(o) = l*m*n	(p)	(q) = o*p
28	57	58	1.212	145	101.5	108.75	40	65	40	70	0.005	1000	5.8	29	5200	150800
29	58	59	1.06	138	96.6	96.6	40	60	40	70	0.01	1000	5.8	58	5200	301600
30	59	60	1.208	145	101.5	108.75	40	65	40	70	0.005	1000	5.8	29	5200	150800
31	60	61	1.403	155	108.5	108.5	40	70	40	70	0	1000	5.8	0	5200	0
32	61	62	1.173	140	98	98	40	60	40	70	0.01	1000	5.8	58	5200	301600
33	62	62/900	1.065	138	96.6	96.6	40	60	40	70	0.01	900	5.8	52.2	5200	271440
34	62/900	63/800	2.191	205	143.5	153.75	40	105	40	120	0.015	900	7	94.5	5200	491400
														963.485		5032143

ANNEXURE-18

(Referred to in Paragraph 3.2.11)

Statement showing avoidable expenditure on overlay during defect liability period

Sl. No	Name of the Work	KMs	Defect liability Period	Name of the Contractor & Date of agreement	Value of the Contract (₹ in crore)	DBM/BC/Tack coat already carried out in four lane stretch(Cum)	Unwarranted quantity provided/ executed in the same stretch during six lane	Rate per cum/s q.mts (in ₹)	Total (in ₹)
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(k)=(h*i)
1	Phase-II Six laning of SS Road (12/600-24/600 Kms)	12.00	16.04.2018	M/s.Sunshine Infra Engineers India Private Limited (24.06.13)	96.40	DBM-21966.24 BC-7811.61	BC-6482.6 cum Tack coat (TC)- 162065 sq.mts	8660 10.85	56139316 1758405
2	Phase-III Six laning of SS Road (0/600-6/600 kms)	6.00	28.04.2016	M/s.Sunshine Infra Engineers India Private Limited (12.06.15)	88.43	DBM:16039.54 BC:5294.09	BC: 252.88 cum TC: 6322 sq.mts	9643 19	2438522 120118
3	Six laning of SS Road (6/600-12/600 kms)	6.00	and 28.08.2019	M/s.SPK & Co. (19.06.15)	43.29		BC: 2852.2 cum TC : 71305 sq.mts	8440 20	24072568 1426100
4	Phaes-IV Six laning of VW Road (30/830-47/000 kms)	16.17	30.09.2018	M/s. JSR Infra Developers Private Limited (26.02.16)	159.53	DBM: 34582 BC: 11171	DBM: 16693 cum BC: 8990 cum TC: 224750 Sq.mts	7240 8000 19	120857320 71920000 4270250
TOTAL									283002599
								Or	28.30 crore

ANNEXURE-19

(Referred to in Paragraph 3.2.12)

Statement showing adoption of different rates for same work

Sl. No	Description of work	Unit	KM 0/600 - 6/740 (Six Laning)	KM 0/600-1/900 & KM 5/416-6/740 (Balance Four laning)		Rate difference (In ₹)	Amount (In ₹)
			Rate (In ₹)	Quantity	Rate(In ₹)		
(a)	(b)	(c)	(d)	(e)	(f)	(g)=f-d	(h)=e*g
1.01	Site Clearance and Dismantling	Hectares	56253	2.8	57295	1042	2918
2.01	Earth Work - Excavation of roadwork in soil	Cum	48	501.58	49	1	502
2.02	Earth Work - Construction of embankment with approved material deposited at site from roadway cutting.	Cum	148	402	151	3	1206
2.03	Earth Work - Construction of embankment with approved material obtained from burrow pits.	Cum	516	125546	540	24	3013104
2.04	Earth Work - Construction of sub-grade and earthen shoulder.	cum	654	27946	666	12	335352
2.05	Earth Work - Loosening, leveling and compacting original ground	cum	45	6775	46	1	6775
3.01	Granular base and Sub-base - Construction of granular sub base by providing close graded material (Grading V)	Cum	1677	12404	1708	31	384524
4.01	Bituminous Course - Providing and applying primer coat	sqm	64	38311	65	1	38311

Sl. No	Description of work	Unit	KM 0/600 - 6/740 (Six Laning)	KM 0/600-1/900 & KM 5/416-6/740 (Balance Four laning)		Rate difference (In ₹)	Amount (In ₹)
			Rate (In ₹)	Quantity	Rate(In ₹)		
(a)	(b)	(c)	(d)	(e)	(f)	(g)=f-d	(h)=e*g
4.04	Dense Graded Bituminous macadam (75-100 mm thick)	cum	8526	2874	8685	159	456966
4.05	Dense Graded Bituminous macadam (50-70 mm thick)	cum	8553	1916	8712	159	304644
4.06	Bituminous Concrete	cum	9643	1533	9822	179	274407
5.02	Vibrated cement concrete – Foundation	cum	5642	484	5681	39	18876
5.03	Vibrated cement concrete - Raft for box culvert	cum	6718	1060	6753	35	37100
5.04	Vibrated cement concrete - Box culvert superstructure	cum	9329	1511	9364	35	52885
5.05	Vibrated cement concrete - PCC return Walla & Parapets	cum	10114	429	10149	35	15015
6.01	90 cm High octagon	No	6419	30	6423	4	120
7.1	Kerb- Construction of cement concrete	RM	1029	5016	1054	25	125400
7.12	Filling of median and island from burrow pits	cum	508	3115	517	9	28035
	Quoted Value						5096140
	Discount offered @ 8.26%						420941
	Total						4675199

Or ₹ 46.75 lakh

ANNEXURE-20

(Reference: Paragraph 3.3.4)

Statement showing non-payment of interest for the delayed release of GoI funds

GoI funds (₹ in lakh)	Date of receipt by GoTN	Due date for release	Actual date of release	Delay (in days)	Interest due (₹ in lakh)
2014-15					
2,534.59	27.01.2015	30.01.2015	27.02.2015	28	23.33
826.00	31.03.2015	03.04.2015	08.05.2015	35	9.50
3,360.59				Total	32.83
2015-16					
550.00	09.07.2015	12.07.2015	03.08.2015	22	3.98
923.21	09.07.2015	12.07.2015	03.08.2015	22	6.68
461.60	23.09.2015	26.09.2015	01.10.2015	5	0.76
1,373.50	29.02.2016	03.03.2016	18.03.2016	15	6.77
665.41	29.02.2016	03.03.2016	18.03.2016	15	3.28
3,973.72				Total	21.47
2016-17					
260.63	06.05.2016	09.05.2016	20.06.2016	42	3.60
911.85	10.05.2016	13.05.2016	20.06.2016	38	11.39
638.10	10.05.2016	13.05.2016	20.06.2016	38	7.97
642.15	25.05.2016	28.05.2016	18.08.2016	82	17.31
898.73	01.03.2017	04.03.2017	05.04.2017	32	9.46
1,047.00	01.03.2017	04.03.2017	05.04.2017	32	11.02
4,398.46				Total	60.75
Grand Total					115.05 (or) 1.15 crore

ANNEXURE-21

(Referred to in Paragraph 3.5)

Statement showing the interest paid during the idle period and savings foregone in fuel cost

Sl.No.	Name of the STUs	Number of chassis procured	Number of buses constructed on the chassis	Number of buses purchased belatedly	Total cost of buses purchased (₹ in crore)	Savings in diesel foregone (₹ in crore)	Number of buses with fuel savings	Interest loss (at 10.5% p.a.) (₹ in crore)
1.	MTC, Chennai	550	550	422	122.99	0.75	162	3.02
2.	SETC, Chennai	725	725	440	182.19	0.21	171	1.40
3.	TNSTC, Villipuram	710	700	239	133.71	0.60	160	0.94
4.	TNSTC, Salem	401	369	128	66.68	0.14	54	0.67
5.	TNSTC, Coimbatore	602	480	190	88.33	0.55	150	0.77
6.	TNSTC, Kumbakonam	744	744	196	142.73	0.40	138	0.93
7.	TNSTC, Madurai	580	528	254	106.82	0.79	176	1.78
8.	TNSTC, Tirunelveli	294	261	151	47.95	0.50	84	0.78
	TOTAL	4606	4357	2020	891.40	3.94	1,095	10.29

ANNEXURE-22

(Referred to in Paragraph 3.10.1)

Statement showing details of value of tender, name of the suppliers, rates finalised, etc.

SL No.	Tender number and date	Total Budget Estimate (₹ crore)	Estimated Quantity (in MMT)		Order placed Quantity (in MMT)		L-1 rate finalised (USD per MT)		Name of the Suppliers (Quantity in MMT allotted)			
			Ennore	Tuticorin	Ennore	Tuticorin	Ennore	Tuticorin	Ennore		Tuticorin	
(1)	(2)	(3)	(4)	(5)	(6) = (10)+(11)	(7) = (12)+(13)	(8)	(9)	(10)	(11)	(12)	(13)
1	46/29.07.12	1,231	1.75	0.75	1.75	0.75	92.06	95.09	ADANI ¹⁴² (1.05)	MSTC ¹⁴³ (0.70)	MSTC (0.45)	ADANI (0.30)
2	47/06.02.13	2,133	3.35	0.85	3.35	0.85	91.96	93.63	ADANI (2.01)	MSTC (1.34)	ADANI (0.51)	MMTC ¹⁴⁴ (0.34)
3	48/31.10.13	2,200	2.80	0.90	2.80	0.90	91.05	92.72	ADANI (1.68)	MSTC (1.12)	KISPL ¹⁴⁵ (0.54)	MSTC (0.36)
4	49/28.05.14	2,600	4.00	1.00	4.00	1.00	87.00	88.60	ADANI (2.40)	MSTC (1.60)	KISPL (0.60)	MSTC (0.40)
5	50/05.01.15	2,450	3.50	1.00	3.50	1.00	77.00	78.50	ADANI (2.10)	MSTC (1.40)	KISSPL ¹⁴⁶ (0.60)	MSTC (0.40)
6	51/05.12.15	2,321	3.50	1.00	0.40	0.20	62.00	63.50	Chettinad ¹⁴⁷ (0.40)	---	Chettinad (0.20)	---
7	52/05.02.16	1,662	3.10	0.80	3.10	0.80	61.00	62.50	ADANI (1.86)	MSTC (1.24)	KISSPL (0.48)	Chettinad (0.32)
		14,597	22.00	6.30	18.90	5.50						

¹⁴² Adani Global Pte Limited, Singapore.¹⁴³ MSTC (Metal Scrap Trade Corporation) Limited, Kolkata.¹⁴⁴ MMTC (Metals and Minerals Trading Corporation) Limited, New Delhi.¹⁴⁵ Knowledge Infrastructure Systems Private Limited, New Delhi.¹⁴⁶ Knowledge International Strategy Systems Pte Limited, Singapore (Subsidiary of KISL, New Delhi).¹⁴⁷ Chettinad Logistics Private Limited, Chennai

ANNEXURE-23

(Referred to in Paragraph 3.10.5)

Statement showing details of FOB price and freight payable by TANGEDCO under variable payment method

Tender No.	Total number of consignments	Number of consignment checked by Audit		FIRM Price accepted by TANGEDCO (USD per MT)		Price payable under variable price method (USD per MT)		Reduction in price under variable price method (USD per MT)		Total reduction in payment under variable price method (₹ in crore)	
		E	T	E	T	E	T	E	T	E	T
48-C	76	20	4	78.22	78.25	56.19 to 62.46	56.70 to 62.60	15.76 to 22.03	15.65 to 21.55	147.96	20.78
48-F	76	-	-	12.78	14.42	---	---	---	---	---	---
49-C	80	28	14	75.09	76.04	47.09 to 56.07	51.87 to 57.06	19.02 to 28.00	18.98 to 24.17	251.08	94.86
49-F	80	19	12	11.86	12.51	3.47 to 13.94	3.68 to 12.88	(2.08) to 8.39	(0.37) to 8.83	28.84	18.01
50-C	73	26	16	66.88	68.39	48.68 to 60.26	50.12 to 56.59	6.62 to 18.20	11.80 to 18.27	163.61	57.44
50-F	73	31	11	10.07	10.06	3.95 to 10.00	4.21 to 9.86	0.07 to 6.12	0.20 to 5.85	36.47	10.53
51-C	10	1	1	56.05	57.18	49.60	50.75	6.45	6.43	3.46	2.38
51-F	10	4	4	5.90	6.27	5.60 to 7.87	5.90 to 8.38	(1.97) to 0.30	(2.11) to 0.37	(0.40)	(0.90)
52-C	58	18	3	56.51	55.34	46.49 to 89.91	49.13 to 93.40	(33.40) to 10.02	(38.06) to 6.21	(40.44)	(17.38)
52-F	58	9	9	4.44	7.11	4.56 to 7.85	7.99 to 12.29	(3.41) to (0.12)	(0.88) to (5.18)	(19.10)	(11.07)
TOTAL										571.48	174.65
TOTAL										746.13	

E – Ennore Port; T – Tuticorin Port, C – Indexed FOB price & F – Indexed freight

(Note: Indonesian index for coal and Singapore CST freight index published in the ‘Coal Trader International’ were taken to work out the variable price of coal and freight)

ANNEXURE-24

(Referred to in Paragraph 3.14)

Statement showing undue benefit to the power producer

Sl.No.	Month and Year	Quantum of power supplied in units	Quantum of power supplied during crushing season	Amount paid under STOA (In ₹)	Tariff notified by TNERC (In ₹)	Amount payable as per TNERC tariff (In ₹)	Excess payment on total power supplied (In ₹)	Excess payment on power supplied during crushing season (In ₹)
1.	March 2015	3806000	3806000	20933000	3.52	13397120	7535880	7535880
2.	April 2015	9364579	9364579	51505185	3.52	32963318	18541867	18541865
3.	May 2015	9675791	9675791	53216851	3.52	34058784	19158067	19158066
4.	June 2015	8965835	8965835	49312093	3.52	31559739	17752354	17752353
5.	July 2015	6206795	0	34137373	3.52	21847918	12289455	0
6.	August 2015	4029377	0	22161574	3.52	14183407	7978167	0
7.	September 2015	6833146	0	37582303	3.52	24052674	13529629	0
8.	October 2015	4056928	0	22313104	3.52	14280387	8032717	0
9.	November 2015	851571	0	4300434	3.52	2997530	1302904	0
10.	December 2015	1226080	1226080	6191704	3.52	4315802	1875902	1875902
11.	January 2016	2384622	2384622	12042341	3.52	8393869	3648472	3648472
12.	February 2016	6426435	6426435	32453497	3.52	22621051	9832446	9832445
13.	March 2016	10580789	10580789	53432984	3.52	37244377	16188607	16188608
14.	April 2016	8314802	8314802	41989750	3.99	33176060	8813690	8813690
15.	May 2016	5314705	5314705	26839260	3.99	21205673	5633587	5633587
	TOTAL	88037455	66059638	468411453		316297709	152113744	108980868

Or ₹ 10.90 crore

Glossary of Abbreviations

Abbreviation	Description
ADA	Advanced Diagnostics Analysis
APM	Administered Price Mechanism
ATNs	Action Taken Notes
BBGTPS	Basin Bridge Gas Turbine Power Station
BC	Bituminous Course
BEE	Bureau of Energy Efficiency
BG	Bank Guarantee
BM	Bituminous Macadam
BMMU	Block Mission Management Units
BOD	Board of Directors
BOT	Built, Operate and Transfer
BQR	Bid Qualification Requirement
CAG, C&AG	Comptroller and Auditor General of India
CB	Coal Berth
CDM	Clean Development Mechanism
CEA	Central Electricity Authority
CERC	Central Electricity Regulatory Commission
CERs	Carbon Emission Reduction Credits
CIF	Cost Insurance Freight
CIP	Central Issue Price
CL	Chlorides
CMDA	Chennai Metropolitan Development Authority
COO	Certificate of Country of Origin
COPU	Committee on Public Undertakings
DBM	Dense Bituminous Macadam
DBS	Decibels
DDMS	Drug Distribution Management System
DMMU	District Mission Management Unit
DPR	Detailed Project Report
DRO	District Revenue Officer
EMD	Earnest Money Deposit
EPOs	Energy Purchase Orders
FCI	Food Corporation of India
FO	Furnace Oil

Abbreviation	Description
GA	Government Analyst
GAIL	Gas Authority of India Limited
GBC	Gas Booster Compressor
GCV	Gross Calorific Value
GDP	Gross Domestic Product
GO	Government Order
GoI	Government of India
GoTN	Government of Tamil Nadu
GTPS	Gas Turbine Power Stations
HFHSD	High Flash High Speed Diesel oil
HO	Head Office
HT	High Tension
IRC	Indian Road Congress
IT	Information Technology
JV	Joint Venture
Kcal/SCM	Kilo Calories per Standard Cubic Metre
KGTPS	Kuttalam Gas Turbine Power Station
KMs	Kilometres
LD	Liquidated damages
LGB	Load Gear Box
LOI	Letter of Intent
MIS	Management Information System
MLD	Million Litre per Day
MMT	Million Metric Tonne
MoEFCC	Ministry of Environment, Forest and Climate Change
MOU	Memorandum of Understanding
MT	Metric Tonne
MU	Million Units
MW	Mega Watt
NH	National Highway
NIT	Notice Inviting Tender
NOC	No Objection Certificate
NOx	Nitrogen Oxides
NRLM	National Rural Livelihood Mission
NTADC	New Tiruppur Area Development Corporation Limited
NTECL	NTPC Tamil Nadu Energy Company Limited
NTPL	NLC Tamil Nadu Power Limited

Abbreviation	Description
OEM	Original Equipment Manufacturer
OMSS(D)	Open Market Sales Scheme (Distribution)
PA	Performance Audit
PAC	Public Accounts Committee
PCU	Passenger Car Units
PDS	Public Distribution System
PG	Performance Guarantee
PLF	Plant Load Factor
PLI	Public Liability Insurance
PO	Purchase Order
PPA	Power Purchase Agreement
PPC	Pozzolana Portland Cement
PSC	Poompuhar Shipping Corporation Limited
PSUs	Public Sector Undertakings
PWD	Public Works Department
QC	Quality Control
SD	Security Deposit
SEZ	Special Economic Zone
SGC	Specific Gas Consumption
SGSY	Swarna Jayanti Gram Swarozgar Yojana
SH	State Highway
SHG	Self Help Group
SHR	Station Heat Rate
SMMU	State Mission Management Unit
SPO	State Port Officer
SS	Sub-station
STG	Steam Turbine Generator
STOA	Short Term Open Access
STUs	State Transport Undertakings
TANCEM	Tamil Nadu Cements Corporation Limited
TANGEDCO	Tamil Nadu Generation and Distribution Corporation Limited
TCTL	Tuticorin Coal Terminal Private Limited
TDFC	Tamil Nadu Transport Development Finance Corporation Limited
TDS	Total Dissolved Solids
TGTPS	Thirumakottai Gas Turbine Power Station
TNCDW	Tamil Nadu Corporation for Development of Women Limited
TNCSC	Tamil Nadu Civil Supplies Corporation

Abbreviation	Description
TNERC	Tamil Nadu Electricity Regulatory Commission
TNMSC	Tamil Nadu Medical Services Corporation Limited
TNPL	Tamil Nadu Newsprint and Papers Limited
TNRIDC	Tamil Nadu Road Infrastructure Development Corporation
TNSRLM	Tamil Nadu State Rural Livelihood Mission
TPDS	Targeted Public Distribution System
TPT	Tuticorin Port Trust
TWAD	Tamil Nadu Water Supply and Drainage Board
UNFCCC	United Nations Framework Convention on Climate Change
VCS	Voluntary Carbon Standards
VCUs	Verified Carbon Units
VGTPS	Valuthur Gas Turbine Power Station
WIS	Warehouse Information System
WRO	Water Resources Organisation

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