Annexure–I

Pro-forma for furnishing Actual annual performance/operational data for the coal/lignite based thermal generating stations for the 5-year period from 2017-18 to 2021-22

S.N	Particulars		Units	2017-18	2018-19	2019-20	2020-21	2021-22	
1	Name of Company			NTPC Ltd.					
2	Name of Station/ Pit head or Non- Pit head			**Simhadri Super Thermal Power Station Stage-I**					
	Stage			**I**					
3	Installed Capacity and Configuration		MW	2 x 500 = 1000 MW					
3.1	Date of Commercial Operation - Unit Wise			U1- 01-09-2002, U2- 01-03-2003					
3.2	Effective COD			01.01.2003					
	Make of Turbine			BHEL					
4	Rated Steam Parameters (Also state the type of Steam turbine and Boiler)			Steam Pr: 170 ata, MS/HRH Temp: 537/537 deg C BHEL make KWU design Steam Turbine, BHEL make CE design Boiler					
5	Type of BFP			Steam Driven + Electric Driven					
	Quantity		Nos.	2 nos. Steam Driven + 1 no. Electric Driven					
6	Circulating water system			Closed Circuit Cooling					
7	Any other Site specific feature								
	Design Unit heat rate		Kcal/Kwh	2228					
	Design Boiler efficiency		%	87.27					
	Design Turbine cycle heat rate		Kcal/Kwh	1944.4					
8	**Fuels :**								For the Station (2000 MW)
8.1	**Primary Fuel :**			Coal/Lignite					
8.1.1	Annual Allocation under FSA		MT					98,20,000.00	
	Annual Consumption		MT	42,39,007.00	45,39,915.00	36,80,272.00	29,50,396.00	45,23,913.00	
	Annual Requirment at NAPAF		MT	54,05,384.33	52,33,830.61	52,17,313.73	54,32,615.12	56,91,070.45	
8.1.2	Sources of supply/ procurement along with contracted quantity and grade of coal		LMT	Stage 1 - MCL - 37.00 LMT - Grade E/F(G8-G13), ECL - 15LMT, G13 and above; Stage 2 - MCL - 46.2 LMT - Grade E/F(G8-G13)					For the Station (2000 MW)
8.1.2.1	FSA	LoA	MT	98,20,000.00	98,20,000.00	98,20,000.00	98,20,000.00	98,20,000.00	
		MoU	MT					80,00,000.00	
8.1.2.2	Imported*		MT	-	2,00,000.00	2,00,000.00	3,00,000.00	-	
8.1.2.	Spot Market/e-auction*		MT	-	-	-	-	-	
8.1.3	Transportation Distance of the station from the sources of supply		KM	600 kms - MCL - Talcher, 610 kms - MCL - IB Valley, 1015 kms - ECL, 600 kms - SCCL					
8.1.4	Mode of Transport			Rail					
8.1.5	Maximum Station capability to stock primary fuel (for days consider availability as NAPAF)		Days & MT	28/ 8,00,000					
8.1.6	Maximum stock maintained for primary fuel		MT	4,08,902.00	4,50,957.00	7,40,948.00	10,67,862.00	6,76,574.00	
	Date			01-04-2017	01-03-2019	01-03-2020	01-04-2020	01-06-2021	
8.1.7	Minimum Stock maintained for primary fuel		MT	34,858.00	73,573.00	16,736.00	2,70,896.00	5,266.00	
	Date			01-12-2017	01-09-2018	01-09-2019	01-03-2021	01-09-2021	
8.1.8	Average stock maintained for primary fuel		MT	1,69,689.00	1,94,274.00	4,24,637.00	6,06,543.00	3,25,163.00	
8.2	**Secondary Fuel :**								
8.2.1	Annual Allocation/ Requirement		KL	3,723.00	3,723.00	3,733.20	3,723.00	3,723.00	
8.2.2	Sources of supply							HPCL	
8.2.3	Transportation Distance of the station from the sources of supply		KM	25.00	25.00	25.00	25.00	25.00	
8.2.4	Mode of Transport							By road	
8.2.5	Maximum Station capability to stock secondary fuels		KL	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00	
8.2.6	Maximum Stock of secondary oil actually maintained		KL	1,878.70	2,115.39	2,046.27	1,845.38	2,621.34	
8.2.7	Minimum Stock of secondary oil actually maintained		KL	1,298.63	1,431.17	785.62	932.12	1,338.78	
8.2.8	Average Stock of secondary oil actually maintained		KL	1,575.16	1,775.17	1,422.53	1,470.41	2,023.09	

9.1	Cost of Spares capitalized in the books of accounts		(Rs. Lakh)	3,387.46	2,791.53	3,910.85	5,594.13	7,608.80
9.2	Cost of spares included in capital cost for the purpose of tariff		(Rs. Lakh)					
9.3	Initial spares-list, quantity and cost		(Rs. Lakh)					
9.4	Maintenance spares - cost		(Rs. Lakh)	5,026.92	6,483.14	6,713.38	6,216.46	8,224.35
9.5	Other spares procured with high lead procurement time		(Rs. Lakh)					
10	**Generation :**							
10.1	-Actual Gross Generation at generator terminals		MU	5,762.32	6,399.47	5,161.91	3,936.19	5,812.34
10.2	-Actual Net Generation Ex-bus		MU	5,410.92	6,013.34	4,824.81	3,658.96	5,460.10
10.3	-Scheduled Generation Ex-bus		MU	5,504.82	6,081.19	4,303.20	3,689.60	5,493.70
11	Average Declared Capacity (DC)		MW	776.66	840.23	842.64	881.86	847.56
	DC Peak HD %		%	-	-	-	99.22	100.83
	DC Off Peak HD %		%	-	-	-	99.50	100.66
	DC Peak LD %		%	-	-	-	91.84	86.89
	DC Off Peak LD %		%	-	-	-	91.63	86.37
	Actual Declared Capacity		MU	6,803.55	7,360.45	7,401.72	7,725.14	7,424.65
	Deemed Declared Capacity		MU	6,803.55	7,360.45	7,401.72	7,725.14	7,424.65
12	Actual Auxiliary Energy Consumption excluding colony		MU	344.42	379.45	330.19	270.49	345.95
13	Actual Energy supplied to Colony from the station		MU	6.98	6.68	6.90	6.74	6.09
	Actual energy supplied to construction activities		MU	-	-	-	-	0.20
	Actual energy supplied to long term and medium term beneficiaries		MU	5,436.96	5,990.97	5,530.09	4,265.60	6,264.93
	Actual energy supplied in short term							
	Energy supplied under bilateral arrangements							
	Energy supplied through exchanges		MU	9.08	10.94	9.24	0.56	7.81
	Energy supplied under DSM		MU	(93.90)	(67.84)	521.61	(30.64)	(33.60)
	Energy supplied SCED		MU	-	-	(469.42)	(474.63)	(403.79)
14	**Primary Fuel :**							
14.1	Consumption **:**		MT	42,39,007.00	45,39,915.00	36,80,272.01	29,50,396.00	45,23,912.97
14.1.1	Domestic coal	From Linked Mines	MT	42,39,007.00	45,04,674.00	35,12,436.61	28,73,392.00	45,23,912.97
		From Non-Linkd Mines	MT	-	-	-	-	-
		From Integerated Mines	MT	-	-	-	-	-
14.1.2	Imported coal		MT	-	35,241.00	1,67,835.40	77,004.00	-
14.1.3	Spot market/e-auction coal		MT	-	-	-	-	-
14.2	**Gross Calorific Value (GCV) :**							
14.2.1	**Domestic Coal (for each type)**	**(As Billed) - EM Basis as per third party**	kCal/kg	3,874.62	4,087.39	4,197.31	3,663.02	3,756.67
		(As Received) - TM Basis as per third party	kCal/kg	3,294.24	3,494.74	3,408.61	3,268.73	3,210.09
14.2.2	**Imported Coal**	**(As Billed) - ADB Basis**	kCal/kg	-	4,886.02	4,942.60	5,154.22	4,858.00
		(As Received) - ADB Basis	kCal/kg	-	4,907.57	4,942.60	5,154.22	4,608.00
14.2.3	**Spot market/e- auction coal**	**(As Billed)**	kCal/kg	-	3,833.50	-		
		(As Received)	kCal/kg	-	3,358.51	-		
14.2.4	Weighted Average Gross Calorific value (Domestic+Imported+Spot/e-auction) **(As Billed)**		kCal/kg	3,874.62	4,097.91	4,226.40	3,698.63	3,757.10
14.2.5	Weighted Average Gross Calorific value (Domestic+Imported+Spot/e-auction) **(As Received)**		kCal/kg	3,294.24	3,436.18	3,507.04	3,327.34	3,211.22
	Ash content in coal (%)							
14.3	**Price of coal :**							
	Billed Cost (including adjustments)							
	Amount Charged by transporting agency upto delivery point							
14.3.1	Weighted Average Landed price of Domestic coal		(Rs/MT)	3,787.00	4,101.10	4,539.24	3,624.85	3,618.16

	Components of landed cost and break up	Amount charged by Coal company	(Rs/MT)	2,290.72	2,497.72	2,783.82	1,993.87	1,994.86	For the Station (2000 MW)
		Transport charges	(Rs/MT)	1,477.00	1,578.90	1,743.30	1,600.50	1,631.29	
		Other charges	(Rs/MT)	19.28	24.49	12.12	30.47	(8.00)	
14.3.2	Weighted Average Landed Price of Imported coal		(Rs/MT)	-	5,819.52	5,698.15	5,507.60	14,675.76	
	Components of landed cost and break up								
14.3.3	Weighted Average Landed Price of Spot market / e-auction coal		(Rs/MT)	-	5,865.88	-	-	-	
	Components of landed cost and break up								
14.3.4	Weighted Average Landed Price of all the Coals		(Rs/MT)	3,787.00	4,142.58	4,584.47	3,669.81	3,622.38	
14.4	Blending :		% and MT (of the total coal consumed)						
	Blending ratio of imported coal with domestic coal		Equivalent to domestic coal						
14.4.2	Proportion of e-auction coal in the blending		% & MT						
	Coal stockyard capacity		MT					8,00,000.00	
14.5	Actual daily Average Coal stock maintained		MT	1,69,689.00	1,94,274.00	4,24,637.00	6,06,543.00	3,25,163.00	
			Days	5.94	6.80	14.87	21.24	11.39	
14.5	**Actual Transit & Handling Losses for coal/Lignite**								
14.5.1	**Pit- Head Station**			-	-	-	-	-	
14.5.1.1	Transit loss from linked mines		%	-	-	-	-	-	
14.5.1.2	Transit loss from non-linked mines including e-auction coal mines.		%	-	-	-	-	-	
14.5.1.3	Transit loss of imported coal		%	-	-	-	-	-	
14.5.2	**Non-Pit Head station**								
14.5.2.1	Transit loss from linked mines		%	0.80	1.77	0.80	0.80	0.78	
14.5.2.2	Transit loss from non-linked mines including e-auction coal mines.		%	-	-	-	-	-	
14.5.2.3	Transit loss of imported coal		%	-	-	-	-	-	
15	**Secondary Fuel Oil :**								
15.1	Consumption	HFO	KL	1,645.69	669.47	2,002.30	1,238.34	191.30	
		HSD/LDO	KL	565.55	315.64	901.99	1,182.98	2,729.84	
15.2	Weighted Average Gross Calorific value **(As received)**	HFO	(kCal / Lit.)	9,876.40	9,865.73	9,856.48	9,787.88	9,718.21	
		HSD/LDO	(kCal / Lit.)	9,227.02	9,249.80	9,246.92	9,237.84	8,986.78	
15.3	Weighted Average Price	HFO	(Rs / KL)	29,280.16	42,721.54	39,034.06	34,999.84	-	
		HSD/LDO	(Rs / KL)	42,950.66	52,518.87	50,310.47	42,651.80	61,313.69	
15.4	Actual Average stock maintained	HFO	KL	1,400.00	1,400.00	1,400.00	1,400.00	1,400.00	
		HSD/LDO	KL						
16	**Weighted average duration of outages(unit-wise details)**:								
16.1	Planned Outages		(Days)	26.19	-	42.66	22.81	16.91	
16.2	Forced Outages		(Days)	10.38	3.66	2.30	2.44	4.67	
	Within control of generator								
	beyond control of generator								
16.3	Number of tripping		Nos.						
16.4	Number of start-ups**:**		Nos.	12.00	6.00	12.00	11.00	13.00	
16.4.1	Cold Start-up		Nos.	3.00	3.00	3.00	7.00	3.00	
16.4.2	Warm Start-up		Nos.	3.00	2.00	4.00	1.00	4.00	
16.4.3	Hot start-up		Nos.	6.00	1.00	5.00	3.00	6.00	
17	NOx , SOx ,and other particulate matter emission in **:** at conditions specified by MoEF&CC								

17.1	Design value of emission control equipment (specify conditions)		mg/Nm^3						
	FGD installation date								
	NOX Control system installation date								
17.2	Actual emission (Stage-I)	SPM	mg/Nm^3	Attached as Annexure - A (Emission Data)					
		NOX	mg/Nm^3						
		SOX	mg/Nm^3						
	Actual emission (Stage-II)	SPM	mg/Nm^3	Attached as Annexure With Simhadri II Data					
		NOX	mg/Nm^3						
		SOX	mg/Nm^3						
	Ash dyke capacity as on 31st March		LCM						
	Ash pond capacity as on 31st March								
	Fund available in Ash Fund Account as on 31st March			Attached as Annexure - B (Ash Fund Details)					
	Amount utilized from Ash Fund Account								
19	Detail of Ash utilization % of fly ash produced		Qty Produced	24.60	32.12	31.24	37.68	53.05	For the Station (2000 MW)
	Ash available as on 31st March*		LMT	79.58	81.86	88.57	87.14	82.38	
	Ash utilized for construction of ash dyke		LMT	3.99	16.53	19.93	12.71	11.18	
	Ash utilized within plant premise, other than construction of ash dyke		LMT	0.15	0.24	0.29	0.40	0.36	
	Ash transported		LMT	-	-	-	1.21	5.08	
	Average Distance**		KM	-	-	-	150.00	150.00	
19.1	Conversion of value added product		(%)	9.05	4.54	3.76	4.30	5.28	
19.2	For making roads &embarkment		(%)	-	-	-	1.39	4.39	
19.3	Land filling		(%)	0.19	0.29	3.80	15.38	14.19	
19.4	Used in plant site in one or other form or used in some other site		(%)	5.02	20.19	22.50	14.59	15.34	
19.5	Any other use , Please specify		Qty. and Usage	10.34	7.10	1.17	2.02	13.84	
20	Cost of spares actually consumed		(Rs. Lakh)	464.48	548.93	580.85			
21	Average stock of spares		(Rs. Lakhs)	19,252.96	20,058.25	22,715.24	25,490.20	28,233.56	
22	Number of employees deployed in O&M		Nos.						
22.1	- Executives		Nos.	326.00	292.00	286.00	264.00	250.00	
22.2	- Non Executives		Nos.	230.00	222.00	208.00	214.00	210.00	
22.3	- Corporate office		Nos.	2,568.00	2,241.00	2,016.00	1,815.00	1,728.00	
23	Man-MW ratio		Man/MW	0.28	0.26	0.25	0.24	0.23	

	Total billed amount			Attached as Annexure - C (Billing Details)
	Total received amount within due date			
	Total amount received beyond due date			
	Total amount pending			
	Total amount under dispute			
	Total rebate given			
	Total LPSC recovered			
24	Generation Switchyard Details			
	No. of Bays voltagewise			
	ICT - nos and rating			
	Dedicated transmission line - voltage and length			

Notes:

*Total Ash generated during the Financial Year Given

** Weighted Average distance of Ash Transportation Given

Annexure-V ©

Name of the Company: NTPC Limited
CoD of Units/Stations U#1- 01.09.2002 , U#2- 01.03.2003
Name of the Power Station: Simhadri STPS Stage-I
Stage Stage-I

Details of expenditure incurred from Compensation Allowance and Special Allowance during the Period 2009-10 to 2021-22

FY Year	Add-cap allowed by the Commission under the provision of Regulation		Compensatory allowance allowed by the Commission, if any	Special allowance allowed by the Commission, if any	Income tax rate	Effective Compensatory allowance available for Expenditure	Effective Special allowance available for Expenditure	Details of Asset/Work wise Capitalisation based on the Expenditure allowed by the Commission in the tariff period 2009-14						Total Expenditure done under Special and Compensation Allowance	Capitalisation done which has not been claimed/ allowed in the tariff	Difference of Allowed vs Expenditure	Capital Spares capitalized in Books (Gross Basis)	Total Addition during the year	Total Addition during the year as per duly audited Schedule of Fixed Asset	Variation if any to be reconciled /justified.	
								Capitalisation out of add cap allowed under Regulation		Capitalisation out of Compensation allowance in the stations wherever applicable		Capitalisation out of Special Allowance allowed in the stations where applicable									
	Net Basis	Liability of (2)	(Rs. Lakhs)	(Rs. Lakhs)	(%)	(Rs. Lakhs)	(Rs. Lakhs)	Asset/work	Rs(Lakh)-Gross	Asset/work	Rs(Lakh)-Gross	Asset/work	Rs(Lakh)-Gross	(Rs. Lakhs)	(Rs. Lakhs)	(Rs. Lakhs)	(Rs. Lakhs)	(Rs. Lakhs)	(Rs. Lakhs)	Asset/work	(Rs. lakh)
1	2	3	4	5	6	7 = 4* 6	8 = 5 * 6	9		10		11		12=10+11	13	14=(2+3+7+8)-(9+12+13)	15	16=9+12+13+15	17	18	
2014-15	2839.34	178.28	200.00	0.00	20.96	158.08	0.00	Ash Dyke works Dust supression system Total	2520.43 497.19 3017.62	Admin Building Multipurpose hall MBOA Total	20.52 22.05 44.37 86.94	 Total	 0.00	86.94	0.00	71.14	625.37	3729.93	-24541.87	Decap of MS pipe: -31.82 Decap of spares: -21.84 Package FERV: -49.57 Loan FERV: -27663.64 Decap of MBOA: -68.64 Decap of spares: -159.37 IUT: -0.74 Decap of MBOA: -276.26	
2015-16	550.43	16.57	200.00	0.00	21.34	157.32	0.00	Ash Dyke works CEMS EQMS Total	454.29 78.97 33.74 566.99	Multipurpose hall Wagon Tipler Admin building Solar WHS Total	11.71 15.20 8.84 8.67 44.42	 Total	 0.00	44.42	0.00	112.90	966.39	1577.80	29501.07	Decap of spares (PoC): -13.07 Loan FERV: 28204.52 Decap of Spares (NPoC): -348.50 Decap of MBOA: -14.17 Decap of MBOA: -2.04 Decap of P&M: -7.21 IUT: -2.91	
2016-17	2633.19	315.31	200.00	0.00	21.34	157.32	0.00	Ash Dyke works DAES EQMS FHL Total	788.16 1988.30 0.71 171.33 2948.50	Multipurpose hall Admin building FGBDS Total	1.44 10.47 698.15 710.06	 Total	 0.00	710.06	0.00	-552.74	861.94	4520.50	1267.88	Package ERV: -52.67 Decap of spare (PoC): -56.30 Loan FERV: -2365.28 Decap of Spares (NPoC): -291.66 Decap of MBOA: -65.29 Decap of MBOA: -309.29 Liability Reversal: -112.10	
2017-18	4985.77	5.66	200.00	0.00	21.34	157.32	0.00	Ash Dyke works Total	4991.43 4991.43	Multipurpose hall MBOA S&T work VFD & other Total	6.49 32.47 22.40 6.45 67.81	 Total	 0.00	67.81	223.84	-134.33	2406.43	7689.51	17602.58	Package ERV: 62.96 Decap of Spares: -269.33 Loan FERV: 10407.76 Decap of spares: -195.14 Decap of P&M: -54.17 Decap of MBOA: -28.93 IUT: -9.62 liability reversal: -0.43	
2018-19	594.08	756.42	500.00	0.00	21.55	392.26	0.00	Ash Dyke works DAES Total	436.11 914.39 1350.50	FGBDS MBOA Total	11.92 293.56 305.48	 Total	 0.00	305.48	162.49	-75.71	1876.54	3695.01	3215.24	Package ERV: -38.32 Decap of Spares: -195.26 LOAN FERV: 4681.28 Decap of spares: -353.66 Decap of P&M: -60.46 Decap of MBOA: -5.44 Decap of MBOA: -20.21 IUT: 31.17 Liability reversal: -4518.86	

Annexure-VI (C)

DETAILS OF WATER CHARGES

Name of the Company: NTPC Ltd.

Name of the Power Station and Stage/Phase: Simhadri Super Thermal Power Station Stage-I (1000 MW)

(Rs. In Lakhs)

Sl.No.	ITEM	2017-18	2018-19	2019-20	2020-21	2021-22	
1	2	3	4	5	6	7	
(A)	**Plant**	Simhadri Super Thermal Power Station Stage-I (1000 MW)					
1	Type of Plant	Coal Based Plant					
2	Type of Cooling Tower	Natural Draft Cooling Tower					
3	Type of Cooling Water System	Closed Circuit Cooling					
4	Any Special Features which may increase/reduce water						
(B)	**Quantum of Water : (Cubic Meter)**						
5	Contracted Quantum						
6	Allocation of Water	78,84,000.00	78,84,000.00	78,84,000.00	79,05,600.00	78,84,000.00	For the Station (2000 MW)
7	Actual water Consumption	87,89,452.00	83,30,262.33	82,11,559.99	70,79,032.79	83,50,027.14	
8.	Rate of Water Charges (Rs/m3)	15.06	15.81	16.60	17.43	18.31	
9	Other charges/Fees , if paid as part of Water Charges	-	-	-	-	-	
10	**Total water Charges Paid**	1,562.60	1,587.09	1,461.23	1,147.74	1,221.98	

DETAILS OF OPERATIONS AND MAINTENANCE EXPENSES

Name of the Company: NTPC Ltd.

Name of the Power Station or Transmission Reg Simhadri Super Thermal Power Station (2000 MW)

(Rs. In Lakhs)

Sl. No.	ITEM	2017-18	2018-19	2019-20	2020-21	2021-22
1	2	3	4	5	6	7
(A)	Details of Capital Spares in opening Stock	22741.13294	25,327.33	27,140.22	30,181.46	35,038.78
1	…					
2	…					
3	…					
4	…					
	…					
(B)	Details of Capital Spares procured during the year					
1	Spares Purchased during the year					
2	M1821254848;CHECK VALVE:SW END A217 WC9:2500:125MM					11.86
3	M1826105752;GATE VALVEV-H.O:BW-A105:CL-1500:150NB	26.49			29.40	0.05
4	M1826190845;GATEVALVE 4" CLASS 2500 CAST AL.STEEL				17.27	
5	M1826190848;GT.VLV IS:10611 BW A216WCC CL-2500 125					13.49
6	M1827190344 GV-IS:10611-MO:BWE:A216 WCC:CL-600:100	1.23				
7	M1827190844;GV-IS:10611-MO:BWE A216 WCC:2500:100MM				12.68	0.00
8	M1827255844;GV-IS:10611-MO:BW-A217 WC9:2500:100MM					5.26
9	M1832243056 GT VLV API:600 FLGD WC-6 CL-150 200MM	0.04		-0.03		
10	M1832243060 GT VLV API:600 FLGD WC6 CL-150 250MM	0.04		-0.03		
11	M1832243064 GT VLV API:600 FLGD WC-6 CL-150 300MM	0.04		-0.02		
12	M1832243066 GT VLV API:600 FLGD WC-6 CL-150 350MM	0.04		-0.03		
13	M1834094836 GL VLV IS:10605 MO BW A47 CL-2500 65MM		4.82			
14	M1834190836;GL VLV IS:10605 MO BW WCC CL-2500 65MM				14.18	
15	M1834190844 GL VLV IS:10605 MO BW WCC CL-2500 100M		19.66			
16	M1834190852;GL VLV IS:10605 MO BW WCC CL-2500 150M				18.66	
17	M1878109860;C S BUTER FLY V/V 900NB MANUALY OPERAT				10.63	
18	M1878141682 B-FLY V/V:MAN-FLNG:PN16 D2:700MM			-0.16		
19	M1878141686 B-FLY V/V:MAN-FLNG:PN16 D2:900MM			-0.19		
20	M1878141693 B-FLY V/V:MAN-FLNG:PN16 D2:1300MM			-0.41		
21	M1878170982;B-FLY V/V:MAN-FLNG:PN16 FG260:700MM					13.48
22	M1878180593;BFVLV IS:13095 FLGD MS PN16 1300MM					18.45
23	M1878375581 B-FLY V/V:MO-FLANG:PN10-ASTM439-D2:650		6.72	-0.05		
24	M1897092056 KNIFE GATE VALVE FLGD. A47 CL-150 200M	1.18				
25	M1897092060 KNIFE GATE VALVE FLGD. A47 CL-150 250M	0.85				
26	M1897092064 KNIFE GATE VALVE FLGD. A47 CL-150 300M	23.24				
27	M1897092070 KNIFE GATE VALVE FLGD. A47 CL-150 400M	5.31	28.71	0.22		
28	M1897183174 KNF GV:FLNG-A216/WCB:CL-300:NB-450MM	17.20				
29	M1897318074 KNF GV:FLNG-A351/CF8M:CL-150:NB-450MM	23.17				
30	M1917233053 SPHERICAL ROLER BRG 22330DR E1/E/ESC3/	1.70				
31	M1917302806 BEARING 23028BKD1	0.38				
32	M1917303606 BEARING 23036BKD1	0.61				

33	M1917305209 BEARING 23052BK	0.79				
34	M1970350000 BEARING 294/500	63.06	63.05			
35	M1970353725 BEARING 294/75E	90.63	95.38	102.91		
36	M1979809100N;SPL.BEARING: C-8091-C			8.78		21.53
37	M1980532864 BEARING HOUSING SD 3028TS	0.42				
38	M1980533603 PLUMMER BLOCK SD 3036AF	0.32				
39	M1980534403 PLUMMER BLOCK SD 3044AF	0.34				
40	M1980534464 BEARING HOUSING SD 3044TS	0.78				
41	M1980536464 PLUMMER BLOCK SD 3064AF	1.15				
42	M2041275000 FLUID COUPLING:SC-10 COMP.ASSY FLUIDOM		19.27	0.17		
43	M2041659000N;FC:PEMBRIL:PST-1150:COMP ASSY	0.58			48.28	
44	M2041662000;FLUID COUPLING:PST 570 COMP UNIT	0.14	0.08			40.11
45	M2041663000;FLUID COUPLING:PST 500 COMP.ASSY PEMBR		13.44	14.75		
46	M2041664000N;FLUID COUPLING PEMBRIL:PST660	0.14			14.89	32.00
47	M2041666000 FC:PEMBRIL:PST-1000:COMP	12.14				
48	M2041668000 FLUID COUPLING SDFC450 PEMBRIL	0.14				
49	M2041690000N FLUID COUPLING # 23SCR25W COMPLETE AS	15.92				
50	M2041693000N;PEMBRIL:26SCR25W:COMP			9.03	18.05	
51	M2052200801;:ELECON:A14/KB65/PA80:COMPL ASSY					80.94
52	M2052200831 GB:ELECON:A14/KB65/PA80:SUN PINION	5.89	0.05			
53	M2052200837 ELECON:A14/KB65/PA80:COMP INTERNALS SE			45.51		
54	M2052201200;GEAR BOX:KBN250 COMP.ASSY ELECON					19.87
55	M2052201233 GB:ELECON:KBN250:COM INTERNALS SET		13.21			
56	M2052202533;GB:ELECON:KBH250:COMP INTERNALS SET		28.27			14.69
57	M2052202600;GEAR BOX:KBH250FC ELECON COMP EQPT					39.72
58	M2052203100;GEAR BOX COMP.ASSY:KCN 250,MAKE-ELECON		28.55			28.62
59	M2052203146 GB:ELECON:KCN250:COMP INTERNALS	20.24	0.05			
60	M2052203300;GB:ELECON:KCN280:COMP.G.B			34.34		34.14
61	M2052203399 GB:ELECON:KCN280:INTERNALS COMP		20.70			
62	M2052203500 GEAR BOX KCN 355 ELECON.		47.83			
63	M2052203504 GB:ELECON:KCN355:SPIRAL BEVEL WHEEL #		7.55			
64	M2052203533 GB:ELECON:KCN355:COMP INTERNALS SET	31.88	0.05			
65	M2052203700;ELECON:KCN400:GEAR BOX COMP ASSY		64.66			190.78
66	M2052203799;GB:ELECON:KCN400:INTERNALS COMP		51.15			52.90
67	M2052203900;GEAR BOX KCN-450 ELECON					95.78
68	M2052203901N GB-ELECON:KCN450:GEAR CASE TOP		8.02			
69	M2052203902N ELECON:KCN450:GEAR CASE BOTTOM		9.80			
70	M2052203946;GB:ELECON:KCN450:COMP INTERNALS	60.01	60.06		57.30	
71	M2052204400;GB:ELECON:KCH-180:COMP					32.36
72	M2052204420 GB:ELECON:KCH-180:COMP SET OF INTERNAL	9.24	0.05			
73	M2052206400 GB:ELECON:8-SNU-SM:COMP		3.47	-2.82		
74	M2052207100;GB:ELECON:KBN-225:COMP					59.25
75	M2052207133;GB:ELECON:KBN-225:COMP INTERNALS SET	10.66	10.71			11.03
76	M2052207400 GB:ELECON:KCH200:COMP	22.49	22.54			
77	M2052207420 GB:ELECON:KCH200:COMP INTERNALS SET		13.12			
78	M2052225000;COMP ASSLY ELECON:KCN-450 GR90:1					95.32
79	M2052226200;GB:ELECON:KB160/PBV45:COMP ASSY					77.89

80	M2052226233 GB:ELECON:KB160/PBV45:COMP INTERNALS S			38.57		
81	M2052551900 GB:PBL:83P-160M:COMPLETE ASSY.		0.37			
82	M2052570502N OUTPUT SHAFT PART NO C851315E000/31		6.61			
83	M2052571600;GEAR BOX:B3-225 COMP EQPT PREMIUM ENER				15.99	18.35
84	M2052571700 GEAR BOX:B3-250 COMP EQPT PREMIUM ENER		37.73			
85	M2052571800;GEAR BOX:B3-280COMP ASSY PREMIUM ENERG		24.97		25.50	28.91
86	M2052571900;G:BOX:PET:B3-355:COMP ASSY		46.14			153.11
87	M2052572200 GEAR BOX:B3-500 COMP ASSY PREMIUM ENER		94.98			
88	M2052572212N G:BOX:PET:B3-500:PINION SHAFT #15		16.64			
89	M2052572214N;G:BOX:PET:B3-500:O/P				10.78	
90	M2052572217N G:BOX:PET:B3-500:HOLLOW		12.79			
91	M2052573000;GEAR BOX#H1-200 COMP.ASSY MAKE:PET			15.34		
92	M2052573100;GEAR BOX:H1-225 COMP ASSY PREMIUM ENER			41.16		
93	M2052578200 GB:PET:U1200:COMPLETE EQUIPMENT	5.60				
94	M2052806100;GB:SEISA:QBH051VD:COMP ASSY -GR 1:109.				143.47	
95	M2052955500;GEAR BOX TRIVENI:N1000C COMPLETE ASSY				25.37	
96	M2052955503N;PINION SHAFT #TM2PI416 TRIVENI:N1000C	9.28		8.56		
97	M2052955505N;GEAR WHEEL SFT #TM2SI416 TRIVENI:N100	16.00		14.75		
98	M2052962800;GB:WIL:GDN-28:GDN-28 COMP ASSY				31.07	
99	M2052962811N;GB:WIL:GDN-28:GEAR SET with # 8,9,10					73.53
100	M2090051700N;COUPLING:EUROFLEX:8GBH-210:COMP ASSY					8.37
101	M2090052000N;COUPLING:10GBH-280 COMP EQPT EUROFLEX					22.39
102	M3113326046;DH 375-1000-3:CARTRIDGE ASSEMBLY	13.07				8.24
103	M3134100000;COMPLETE VACUUM PUMP ASSLY W.O. MOTOR			112.30		
104	M3136676001;CEP ASSEMBLY TY				230.38	
105	M3136786000 FA1B75:COMPLETE PUMP ASSY.	68.74		-2.66		
106	M3136806009 BALANCING DRUM FOR BFP MODEL FK4E36	0.85				
107	M3136806018 IMPELLER WEARING (EYE) FOR BFP	0.52				
108	M3136806170 PUMP SHAFT#37-WEIR BFP-PR:FK4E36			11.20		
109	M3136806312N FK4E36:MECHANICAL SEAL (	13.59				
110	M3182016004N;SHR 22500:1ST STAGE			29.17	38.57	
111	M3182016005N SHR 22500:2ND STAGE			18.33		
112	M3182016007N;SHR 22500:SHAFT			21.41	23.12	
113	M3192376001;COMPLETE PUMP ASSEMBLY			64.68	64.68	
114	M3197202600N;SHF3, SIZE: 162MM:COMP MECH SEAL					37.67
115	M3197203000N, SHF2/135:COMP.MECH.SEAL ASSY.	5.74				
116	M3246086000 10UPH3M1:COMPLETE ASSY		34.55			
117	M3246556000;8UPH-4M1:COMPLETE ASSY(SEA WATER)				29.33	
118	M3246556018N;8UPH-4M1CASING HALF UPPER-ASTM 439-D1					11.25
119	M3246556019N;8UPH-4M1CASING HALF LOWER ASTM 439-D1					11.25
120	M3246596009;NV2000:PUMP SHAFT					36.52
121	M3246616011N INTERMEDIATE SHAFT	44.80				
122	M3246786000;BHQ70M:PUMP COMP ASSY			344.75		
123	M3246786001N;IMPELLER - KBL BHQ-70M SEA WATER PUMP				30.57	32.96
124	M3246786006N;PUMP BOWL;KBL BHQ-70M SEA WATER PUMP				48.06	

125	M3246786007N;BELL MOUTH;KBL BHQ-70M SEA WATER PUMP				31.33	
126	M3246786008N;IMP GUIDE PIECE;BHQ-70M SEA WATR PUMP	18.27				19.91
127	M3246786059N;TRANS SHAFT (DOUBLE SL);SEA WATR PUMP				44.33	47.78
128	M3246786061N;TRANS SHAFT (DOUBLE SL);SEA WATR PUMP				8.97	14.03
129	M3246786063N;IMPELLER SHAFT;SEA WATER PUMP R7	5.59			6.51	9.67
130	M3246786078N, TAPER COLUMN PIPE;SEA WATER PUMP R7	29.54				
131	M3246836000;BHR 3-18°:COMP PUMP ASSY			25.10		28.70
132	M3246896000;BHR42:BHR 42:COMPLETE PUMP ASSEMBLY					62.01
133	M3247576036;KIRLOSKAR PUMP ASSY MODEL DSM 125/40					6.68
134	M3249046000N;SCT150/48:COMPLETE ASSY.					7.58
135	M3249146000;KPD150/52M:COMPLETE PUMP ASSEMBLY		10.03			26.08
136	M3249616000N;UP150/53 &150/53M:COMPLETE ASSY.					7.34
137	M3249616041;UP150/53 &150/53M:ROTATING ASSEMBLY					16.57
138	M3249626041;KIRLOSKAR PUMP ASSY MODEL UP 250/30		14.74			20.99
139	M3253096000;16UPH2:COMPLETE ASSY.					35.17
140	M3253956000 UP 200/42:COMPLETE	12.19	11.92			
141	M3253976000;UP 300/34:COMPLETE				57.35	
142	M3265260000 COMPLETE PUMP		5.45			
143	M3265656000N;RN 80:COMPLETE ASSY.	8.16				10.21
144	M3302076000;2BE1 3530ZY4:COMPLETE PUMP ASSY.					114.31
145	M3302186000 CL 3001:COMPLETE ASSY.			54.75	22.21	11.60
146	M3310206001N;SUBMERSIBLE SLUDGE/SLURRY PUMP			18.19		15.41
147	M3315406000N COMP. PUMP ASSY.			17.31		
148	M3342150004;BOTTOM ASH SLURRY P/P AR 200/550..	70.74	0.17		35.47	
149	M3342256021;ASH SLURRY PUMP#AR300/750A CLOCKWISE S	122.77	0.17		49.46	
150	M3342356036 4MD 125/305V-D:COMP. PUMP		5.59			
151	M3342456000;4MD80/205:COMPLETE ASSY.	6.32	0.17			7.47
152	M3342556000;5MD80/205:COMP.PUMP ASSLY	7.09	0.17		8.30	
153	M3343826028 COMPLETE SUMP DRAIN PUMP ASSEMBLY,SAM		6.44			
154	M3344146000N, CPC125/400:COMPLETE PUMP ASSY.	5.39				
155	M3344716000N TPS 200/500:COMPELETE		27.84	-0.18		
156	M3366606000; NV2400:COMPLETE ASSY.			10.65	10.65	
157	M3370416008;COMPLETE CATRIDGE ASSEMBLY ;TDBFPS-AOP					17.11
158	M3370656022N;TG JOP ST-II	13.05			16.43	16.34
159	M3370706000;T3S-T60/46 LFS:CARTRIDGE ASSEMBLY				16.12	
160	M3377056001 COMPLETE VACUUM PUMP-140	49.79				
161	M3394070030 WARMAN MAKE ASH SLURRY PUMP 8/6' EAH		1.78			
162	M3394126000;10/8FFAH:COMPLETE ASSY					25.49
163	M3395266000N GH10TC:COMPLETE ASSY.			9.08		
164	M3395776000:C10TC:COMPLETE ASSY.					41.19
165	M3397166001;BOWL ASSY CW PP WPIL MAKE (MOD;RF					340.82
166	M3397166015N RF90TC-H:PUMP SHAFT		177.77	-2.59		
167	M3397166016N RF90TC-H:SHAFT COUPLING	44.04	0.04	80.18		
168	M3397166021N;RF90TC-H:COLUMN PIPE				59.77	
169	M3397166039N;RF90TC-H:TOP COLUMN PIPE				69.92	
170	M3397186000,1.25LR8:COMPLETE ASSY.	6.60				
171	M3397436000N CM48TC-I:COMPLETE ASSY.			224.72	-0.07	
172	M3397436016N;CM48TC-I:Shaft sleeve					11.66
173	M3400000016 COMPRESSOR+AIR DRYING	9.31				
174	M3400070024N;COMP:HEAD 6-7KSC:AIR				53.49	
175	M3408756001N;H.P. ELEMENT FOR PA/IA COMPRESSOR ZR-		17.71	-0.15	38.70	111.93
176	M3408756002N, L.P. ELEMENT FOR PA/IA COMPRESSOR ZR	33.13				

177	M3408756009N;ROTOR OF MD-600(W) DRYER IA/PA ZR-250	23.01		17.56	17.56	58.99
178	M3408866014N;ZR SERIES:COOLER CORE (INTERCOOLER)					25.93
179	M3408866015N;ZR SERIES:COOLER CORE (AFTERCOOLER)					20.89
180	M3408866025;ZR SERIES:H.P. ELEMENT (O.F.S.K-21)		22.50		24.51	
181	M3408876018;ZA6L-200:ELEMENT ZA,ZR 6 52	70.97			102.83	
182	M3408990936;O.F.S		47.17		101.52	
183	M3415156000 BSC 160W:COMPLETE ASSY.	33.74				
184	M3460756000, RECIPROCATING AIR COMPRESSOR ASSAMBLY	10.50				
185	M3799064208 2-C2500-GLV-SW-MO/HW-A105:F22:SW:COMP	14.13				
186	M3799065601, MOV;C300-16-GV-BW-WCB-BP;CD-28,31,34	5.04				
187	M3799066000;20-C2850SPL-GVBWMO-C12A-PR:COMP. VALVE					83.96
188	M3799068920N;20""-C150-GV-BW-WCB/WCC:COMP.V/V ASSL					17.56
189	M3799095806N;100DR4X4"GLOBE	21.73	21.64	-0.17	44.21	
190	M3799095816N 100DR4X4"GLOBE C2500:DISK STACK:		22.26	-0.17		
191	M3799096009N;NA60-700&NB60-600:VALVE					27.27
192	M3799096024N;NA60-700&NB60-600:PLUG ASSEMBLY:			73.12	76.78	
193	M3799096027N NA60-700&NB60-600:INLET			53.15		
194	M3799096100;840HGV8X8CL300:COMPLETE ASSEMBLY:			16.80		
195	M3799120519N;37-79003-8":#2500:PLATE			32.04	34.10	0.03
196	M3799123000;41955-6":88-41955-6":COM ASSY			4.92		
197	M3799123100;41935-12":38-41935-12": COM			13.67		
198	M3799223001;BFV/V-2400MM:COMP.ASSLY(HY.OP)				94.77	
199	M3799250100 200NB:VALVE ASSEMBLY:	15.24				
200	M3799309300N;VBS 1600:COMP. V/V ASSLY					49.26
201	M3799732000 VE500-DN50/65:#2680:F22:BW:COMP.V/V AS			40.57		
202	M3799732031 VE500-DN50/65:#2680:F22:60.3X4.0:V/V A			42.19		
203	M3799732130 VE500-DN25/40:PN500:F22:BW:COMP.V/V AS			6.67		
204	M3799733600, AV BODY COMPLETE,TAG NO.:MAL11AA011	5.16				
205	M3799751400N 2200NB:VALVE ASSY.:		28.43			
206	M3861010150;35.3D:ROLLER COMPLETE ASSY-				52.51	
207	M4711236034 SH SPRAYMAIN CV O/L ISOLV/V PART NO.S1		22.87	0.29		
208	M4716136150;HRH ERV INLET-ISOL V/V PART NO.R034					32.02
209	M4716136151;RH STARTUP VENT-ISOLGLOBEV/V,PART NO.R			13.18		
210	M4716136152;RH STARTUP VENT REG.GLOBEV/V.PART NO.R				7.45	
211	M4716226014 R49-R52;GLV2 1/2;1500C;WCB;W/O ACTUATO		14.07	0.06		
212	M4724146022 E18,E19,B113,B114,S22;RGV2 1/2;W/O ACT	4.54	18.05			
213	M4724146027 S23,S24;GLV;3;1500C;WCB;BW;W/O ACTUATO	11.14	0.07			
214	M4724146028 S25,S26;RGV;3;1500C;WCB;BW;W/O ACTUATO	0.00				
215	M4724156220;DRAIN HDRDRAIN TO IBDT ISOV/VPARTNO.B1					7.08
216	M4725010216;DRUM SAFETY VALVE TY:					11.72
217	M4725010287;DRUM SAFETY VALVE ASSEMBLY BHEL 1740WB			36.46		10.44
218	M4725010288 DRUM SAFETY VALVE ASSEMBLY BHEL 1750 W		12.43			
219	M4725046095;HRH SV:1786 WE:COMPLETE ASSEMBLY					12.55
220	M4750010290N;HOT END SECTOR PLATE FOR APH				22.87	
221	M4750016085N;HOT END SECTOR PLATES-PAPH 26.5VIM200	6.18			10.61	

222	M4750016259;SUPPORT BEARING HOUSING (27.5 VIM 2000					19.58
223	M4750016393N;SUPPORT BRG.RUNNERPLATE; SAPH;30.5VI				10.00	0.00
224	M4750016760;27.5 VIM:(CW+CCW)RADIAL SEALS SET					13.50
225	M4750016800;26.5 VIM 2000: RADIAL SEALS					13.18
226	M4750020250N;SUPPORT BRG. HOUSING FOR SAPH30.5VIM2					54.05
227	M4750026650;30 VIM:(CW+CCW)RADIAL SEALS SET					41.05
228	M4750030766;SEISA 1A3INPUTSHAFTGEAR BOXASSEMBL7.				288.21	
229	M4750036003;MAIN DRIVE SPEED REDUCER-TYPE II (SAPH					148.68
230	M4754016002;SHAFT ASSLY NDZV 47S: ID FAN BHEL				236.53	-1.11
231	M4754016054N;10RT BEARING LINERS ASY-ID FAN:NDZV47				53.71	
232	M4754016061N;DODGE PILLOW BLOCK HOUSING ASSY,ID FA	13.57			54.87	
233	M4755016059;AP FAN BLADES:23 NOS-FD FAN AP1 26/16			56.40		182.59
234	M4755016096;IMPELLER&SERVOMOTOR ASY-FD FAN					226.53
235	M4756010086N;AP2 20/12:SET OF 23 BLADES		76.53			504.44
236	M4761010217;WORM GEAR & SHAFT.611000141.03.01 B/1					164.98
237	M4761056161N;GRINDING ROLL FOR XRP	268.92		95.58	56.97	147.66
238	M4761056332;WORM GEAR & SHAFT SET OF COAL MILL					117.99
239	M4761057008N;WORM SHAFT FOR XRP-1003 BOWL MILL	29.43		79.34		114.92
240	M4761057231;LUB OIL COOLER FOR XRP 1003 MILL					11.59
241	M4768106145N;BELT MAIN DRIVE REDUCER;6 GRAV.FEEDER					17.35
242	M5101010489;JOINT BLAD OF 10R STG DRG0105184500000			0.69		
243	M5101010514;JOINT BLAD OF 12R STG DRG0105184500000			0.71		
244	M5101040101;JOINT BLADE HP CASING DRG0105184500000			0.69		
245	M5101040107;GUIDE BLADE OF 8R STG DRG0105184500000			6.95		
246	M5101040113;GUIDE BLAD OF 11R STG DRG0105184500000			18.06		
247	M5101040116;GUIDE BLAD OF 12R STG DRG0105184500000			7.08		
248	M5101040118;JOINT BLAD OF 11R STG DRG0105184500000			0.69		
249	M5101040120;GUIDE BLADE OF 9R STG DRG0105184500000			6.95		
250	M5101040121;GUIDE BLADE OF 7R STG DRG0105184500000			6.95		
251	M5101040154;JOINT BLADE 7R STG DRG010518450000025			0.69		
252	M5101040157;GUIDE BLADES ,10R STG DRG0105184500000			6.95		
253	M5101040161;JOINT BLADE OF 8R STG DRG0105184500000			0.69		
254	M5101040170;JOINT BLADES 9R STAGE DRG0105184500000			0.69		
255	M5101356004 MS STRAINER ELEMENT DRG 11314376000000	7.68				
256	M5101906010N;U-SEALING RING MACHINED 01050109000/0	27.89				28.86
257	M5101906011N U-SEALING RING UNMACHINED 01050109000	27.99	0.01	-0.24		
258	M5101906013N;USEALING RING MACHINED 01050109000/05	16.33			4.91	28.69
259	M5101906014N;U-SEALING RING UNMACHINED DRG:0105010				13.99	28.12
260	M5101906016N, U-SEAL RING(MACHINED) DRG 0105010900	7.69				

261	M5101906017N U-SEALING RING UNMACHINED 01050109000	9.99	0.00	-0.08		
262	M5101906029N;I-SEALING RING DRG:01050109000/19					5.36
263	M5101906099N;SEALING RING (IN 8 PARTS) 01050509000	8.57				71.59
264	M5101906139N;U-SEALING RING DRG:11051409000/06	31.75		-0.20	18.24	42.77
265	M5101906140N;U-SEALING RING DRG:11051409000/07	8.12			13.02	44.76
266	M5101906155N U-SEALING RING-UNMACHINED 21051541000	7.19	0.00	-0.06		
267	M5101906547 HP ROTOR BLADING COMP.ASSY;01010245000		761.60	-5.83		
268	M5101906599 GUIDE BLADE T4-36-55 ST7R;01051845000/	4.17				
269	M5101906600 GUIDE BLADE T4-36-55 ST8R;01051845000/	4.38				
270	M5101906601 GUIDE BLADE T4-36-55 ST9R;01051845000/	4.38				
271	M5101906602 GUIDE BLADE T4-36-55ST10R;01051845000/	4.38				
272	M5101906603 GUIDE BLADE T4-36-55ST11R;01051845000/	11.50				
273	M5101906604 GUIDE BLADE T4-36-55ST12R;01051845000/	5.00				
274	M5101906616 JT BLADE TY-1T4-36-55ST7R;01051845000/	0.44				
275	M5101906617 JT BLADE TY-1T4-36-55ST8R;01051845000/	0.50				
276	M5101906618 JT BLADE TY-1T4-36-55ST9R;01051845000/	0.50				
277	M5101906619 JT.BLDE TY-1T4-36-55ST10R;01051845000/	0.52				
278	M5101906620 JT.BLDE TY-1T4-36-55ST11R;01051845000/	0.54				
279	M5101906621 JT.BLDE TY-1T4-36-55ST12R;01051845000/	0.54				
280	M5101906633 JT BLADE TY-2T4-36-55ST7R;01051845000/	0.44				
281	M5101906634 JT BLADE TY-2T4-36-55ST8R;01051845000/	0.50				
282	M5101906635 JT BLADE TY-2T4-36-55ST9R;01051845000/	0.50				
283	M5101906636 JT.BLDE TY-2T4-36-55ST10R;01051845000/	0.52				
284	M5101906637 JT.BLDE TY-2T4-36-55ST11R;01051845000/	0.54				
285	M5101906638 JT.BLDE TY-2T4-36-55ST12R;01051845000/	0.54				
286	M5101926011N MAIN STEAM STRAINER DRG:11314376000/0	5.14	0.94			
287	M5101926019N HRH STEAM STRAINER DRG:11314476000/00	22.03	4.51			
288	M5101936008N, SEAL RING (H.P.C.V) DRG 011223050000	10.08	14.99	-0.11		
289	M5101936045N SEALING RING DRG:01120205000/19	10.14	14.86			
290	M5101937252;VALVE CONE ,DRG.11132027000-					143.30
291	M5101937254N;VALVE SPINDLE DRG.11132027000-9					51.06
292	M5102010141,SEALING RING	26.49				
293	M5102056166 CONTROL VALVE:COMPLETE	99.59				
294	M5102146003 STRAINER ELEMENT HRH DRG11314476000000	14.77				
295	M5102906033N;ANGLE RING				23.46	
296	M5102906035N;ANGLE RING				23.56	-0.09
297	M5102906127;SEALING RING ASSEMBLY DRG:01060627000/		13.35	0.88		
298	M5102906128N SEALING RING ASSEMBLY DRG:01060627000			12.98		
299	M5102906132N SEAL HSING IN 2HALVES DRG:01060627000		13.20	0.03		
300	M5102906133N SEALING RING ASSEMBLY DRG:01060627000		11.14	0.02		

301	M5102906134 SEALING RING ASSEMBLY DRG:01060627000/		11.39	0.03		
302	M5102906394N;SEALING RING DRG:01061227000/03					16.40
303	M5103126001N COMPENSATOR DN600X12 DRG3107684110000	0.49				
304	M5103906368N SEALING RING ASSEMBLY DRG:11076641000		54.60	0.02		
305	M5103906572;MOVING BLADE LP3R DRG:01030741000/07				211.92	
306	M5110906039 COMPLETE VALVE W/O ACTUATOR E45S	9.39				
307	M5121026381N, TERMINAL BUSHING	52.60				
308	M5121036213 INITIAL GUIDE BLADE FOR BHEL GEN ROTOR	18.59				
309	M5121036214 GUIDE BLADE	92.95				
310	M5122026022N;PWR SUPPLY AC-DC CONVERTER KX9180A					12.27
311	M5122046042N GEN DRG KWU-,			27.84		
312	M5123016072 GUIDE BLADES 500 MW BHEL GENR H2 COMP	59.39				
313	M5141906259N;HYD. SPEED GOVERNOR 01142105000/00				36.82	
314	M5141906404 ELECTRO HYD CONVERTOR DRG:01142205000/			37.76		
315	M5141906860, HYD AMP ASSY,DRG 01142801000-0	11.48				
316	M5141907051;VALVE BLOCK ASSEMBLY DRG:01144001000/0					29.67
317	M5141907097;VALVE BLOCK ASSLY DRG:01144005000/00				25.25	
318	M5141907439, OS TRIP RELEASE DEVICE DRG01165105000	11.57				
319	M5145906009N;GEAR COUPLING DRG:01160505000/08			28.82		
320	M5145906195;IMPELLER ASSLY. DRG:11160505500/00			49.89	0.79	49.92
321	M5147906678;K1401-2:THRUST BEARING					11.02
322	M5147906689;K1401-2:REAR JOURNAL			5.94	5.94	
323	M5147906731 K1401-2:LP MOVING BLADE	-0.24				
324	M5147907038;K1401-2:LPC VALVE 200/125/U-2:COMP.ASS				56.43	
325	M5501146001 1017U:ROTOR ASSY	43.06	0.24			
326	M5501146003N;1017U:LOWER FRAME ASSY			25.81	53.81	0.00
327	M5501146004N;1017U:UPPER FRAME ASSY			11.89	24.17	0.00
328	M5502406016;1200TPH:HYDRAULIC PUMP			10.33	10.52	10.86
329	M5502426032 2250TPH:PLANATORY GEAR			36.02		
330	M5502476054 PF:39-42:HYD. MOTOR		9.00	9.00		
331	M5502536008 1125MTPH:HYDRAULIC MOTOR	0.15				
332	M5502566003 600TPH:HYD PUMP			9.56		
333	M5502636001;1125TPH:COMPLETE AXLE ASSEMBLY					13.11
334	M5503496004N;TP/282:Clamp beam					14.06
335	M5503496127N TP/282:ASSLY OF MOUNTING BRACKET		24.04	0.01		
336	M5503496129N;TP/282:CLAMP ARM					31.14
337	M5503556061N L&T-20W/H:HYDRAULIC			8.11		
338	M5503586005;TP/282:hydraulic motor+gear box				30.80	
339	M5503586008;WM/208-209:HYD. PUMP					20.33
340	M5503586142;WM/208-209:MRD 450		12.74		100.82	
341	M5503596122;TP265/266:MRD 700				18.50	18.50
342	M5503606001N, TK-BOXNMARK3:HYD P/P A4VSG250H23982	10.78				
343	M5503606005N;TK-BOXNMARK3:HYD MOTOR MRD509				51.98	
344	M5503636080N ROTASIDE-XL:PLATFORM ASSEMBLY			5.75		
345	M5503646005;ROTASIDE:SPLIT SPURWHEEL ASSY					9.59
346	M5503646016 ,ROTASIDE:RACK SEGMENT	40.06				
347	M5503646019 ,ROTASIDE:INTERMEDIATE DRIVE SHAFT	0.46				
348	M5503646040;ROTASIDE:CLAMP BEAM PIVOT PIN (RH)	16.39	17.48			22.26
349	M5503666120N;ROTA SIDE:HYD. CYLINDER				23.15	

350	M5503676040N;ROTASIDE:H.P.U:AXIAL PISTON PMP					39.94
351	M5505286252,1400:ND PULLEY DXL 500X1600 SHAFT D115	3.44				
352	M5505286268,1400:ND PULLEY DXL 500X1600 SHAFT D90	3.07				
353	M5506366002 GEN-908REV0:FLAP GATE CRUSHER-850X760		4.88			
354	M5506376001 GEN-1955:FLAP GATE		4.40			
355	M5506406003 TYPE-I,II,III,IV:FLAP GATE TYPE-IV COM		4.40			
356	M5506426001;TYPE-1 TO 6:FLAP GATE ASSY TYPE 1					33.62
357	M5514426000 TE-13:VIBRATING ASSEMBLY	17.40				
358	M5514426008 TE-13:DRIVE GEAR	1.04				
359	M5514426009N TE-13:DRIVE SHAFT	4.48				
360	M5514426011 TE-13:DRIVEN GEAR	1.04				
361	M5514426012 TE-13:DRIVEN SHAFT	4.48				
362	M5522717001;2200TPH:BUCKET WHEEL SHAFT ASSY				39.78	
363	M5522726200;2000TPH:SR:DRIVING BOGIE:COMP.ASSY					34.22
364	M5522776052;PE2312:BUCKET ASSY				62.24	
365	M5522836109;1500TPH:BOGIE WHEEL				67.38	
366	M5522846058;2000TPH:BUCKET				43.81	
367	M5522886142N;3000TPH:COMPLETE ASSY.					20.89
368	M5522926006;1050TPH:CARRIAGE WHEEL ASSEMBLY				7.60	
369	M5522976138 ASK965:LUFF HYDR.CYLINDER+MANIFOLD	17.62		19.98		
370	M5529026000;OVBMNRI165/40 OA:COMP. ILMS ASSY				38.59	30.82
371	M5530026001;AF/93:Head Shaft assy	24.71			26.74	0.09
372	M5530026002N ;AF/93:Tail Shaft assy	20.73			24.94	0.04
373	M5530026012;AF/93:COMP CHAIN ASSEMBLY		41.95		27.16	
374	M5530036095 2000X16000:HOLLOW SHAFT GEARED MOTOR			5.77		
375	M5530036097;2000X16000:CONVEYOR PULLEY					13.89
376	M5530036098;2000X16000:CONVEYOR PULLEY					18.95
377	M5530066063N;1800X13920MM:TRACTION					37.71
378	M5530106080;AF:2250X15550:CHAIN & PAN				164.63	
379	M5568016086N;L&T-20W/H:SAC ARM COUPLER ASSEMBLY					36.82
380	M5568026116N, WM-225:HYD. MOTOR	7.15				
381	M5568026149N WM-225:COUPLER RELEASE ASSLY		8.35	0.14		
382	M5615306093 250 NB FLY ASH IN TAKE V/V COMPLETE AS	0.06				
383	M5615306098 450NB KNIFE GATE V/V (PNEU. ACTUATOR)		13.99	-0.12		
384	M5657266000N;A-553:COMPLETE ASSY.		19.34	0.31		18.58
385	M5657606000 TECPRO:COMPLETE ASSY. (AHP SPARE)	0.28	25.28	0.70	24.21	
386	M5674046000 250NB:COMPLETE ASSY.	8.39	0.01			
387	M5691016028 DCLEV24-10:TELESCOPIC CHUTE COMP ASLY		50.74			
388	M5805056320 B22/W18 COMBINATION DRIVE CLARIFIER PT		32.75			
389	M5805366000;1X3X24 MKIII:COMPLETE ELECTROLYSER	295.80				228.07
390	M5815356005N;BOTTOM CONSEP;ANION REGEN UNIT (ARU)				69.62	
391	M5850060100;ARU:10.20 CU.M:COMPLETE ASSEMBLY				70.80	
392	M6253526000N;MAB103:COMPLETE ASSY.					23.95
393	M6254000010N;COMPLETE N2 GEN SKID(PSA TYPE):10M3/H					17.11
394	M6300000002;ELECT TROLLEY+HOIST 7.5T 52.5MR LIFT					8.75
395	M6300351015;EL OP. HOIST-2.01-3.0T:LIFT 70.01-75M					8.31
396	M6300371009;EL OP. HOIST-4.01-5.0T:LIFT 40.01-45M					8.07
397	M6300371014;EL OP. HOIST-4.01-5.0T:LIFT 65.01-70M					5.14

398	M6300371015;EL OP. HOIST-4.01-5.0T:LIFT 70.01-75M					9.03
399	M6300401006;EL OP. HOIST-10.01-12.5T:LIFT 25.01-30					10.08
400	M6300401008, EL OP. HOIST-10.01-12.5T:LIFT 35.01-4			10.16		
401	M6300411004;EL OP. HOIST-12.51-15.0T:LIFT 15.01-20					7.45
402	M6515156460;BD-155:TRACK LINK ASSY(FULL SET)		28.14	56.29		
403	M6515158914;BD-155:ENGINE ASSY			51.51		
404	M6515158915;BD-155:TRANSMISSION ASSY				47.53	
405	M6515159332N;BD-155:TRACK SHOE ASSY			38.82		
406	M6600000007;HEAT EXCHANGER			12.55	0.00	12.55
407	M6602066100N;30HXC-			21.83	21.83	
408	M7197017070N, DLWSPR:TURBOSUPER CHARGER 3100/3300H	25.69				
409	M7197017904N, DLWSPR:TRACTION MOTOR FOR ALCO LOCO	88.43				
410	M7197017913N, DLWSPR:ELECTRONIC GOVERNOR	10.50				
411	M8564156041 ACB 1000A 3P ELCT OPRTD STORD ENRGY C&	1.58				
412	M8564159545 ACB 2500A 3P ELCT OPRTD STROD ENRGY C&	2.71				
413	M8564268043 AIR CKT BREAK(LT)IS10027 3P1600A C&S	2.01				
414	M8564269842 LT BKR TYPE AH 30C CS (CONTRL SWGR)320	3.38				
415	M8568804698; LT SWTCH GR:MCC 415V LT MCC PANEL					91.31
416	M8571904657N CONTRL/PROTCTION PANL WITH ACCESS				27.14	
417	M8582958850,420KV ISOLATOR COMPLETE,2000A,40KA,HAP	4.87				
418	M8598020118, COMPLETE NETWORK CONTROLLER/SERVER	8.38				
419	M8612574084	2.56	2.61			
420	M8612764085 MOTOR SQ.INDUCTION MOTOR,160KW		11.20			
421	M8614635264;MOTR IN EE415VAC:121KW:2P:V1,TEFC:315M					14.49
422	M8614795262;MOTR IN EE415VAC:160KW:2P:V1,TEFC:315L					17.32
423	M8614844084;MOTR IN EE415VAC:180.0KW:4P:B3TEFC:315				11.80	
424	M8621351088 DC MOTOR ,220V,7.5KW,1000RPM,B3,AFS225	8.38				
425	M8621403181N MOTOR FOR DC EOP OF MAIN TURBINE,13KW		0.00			
426	M8621543081;MOTOR FOR DC JOP OF MAIN TURBINE,60KW			7.47		
427	M8655297072;S.SCM-3.3KV,275KW,4P,B3-CACA,FR:D355-9			15.93		
428	M8655307081;ASP MOTOR,280KW,3.3KV,1476RPM,BHEL					33.08
429	M8655367081;SCIM 360KW: 3.300KV: 1500RPM:FR 1LA756					28.20
430	M8655487081;MOTOR 3PH 3.3KV ,333KW, 1480RPM,1LA756					45.07
431	M8655506083;S.SCM-3.3KV,525KW,6P,B3TEFC,1LA7636				63.69	
432	M8656506102;IND.MOTOR:3.3KV,525KW,6P,B3, TETV,1LA76					49.19
433	M8665335481;S.SCM-11KV:3359KW:16P:V10:ITC4642				257.00	
434	M8691070101N, TORISHIMA:350KW4PBARNG BUSH PT.NO545	19.82				
435	M8692006054;PADS FOR THRUST BRG CW MOTOR ST-1					24.86
436	M8697160328 HMPG MICRO PROCESSOR CPU BOARD FOR VFD		6.76	0.01		
437	M8697160391;NLIB FLUX CALCULATION BOARD FOR VFD	15.72	-0.43		55.05	5.64
438	M8723504052 400KV CT 2000A\1000A\500A\1A	36.37		-0.80		9.09

439	M8723514705;400 KV CT 2000-1000-500/1 A MAKE :BHEL			45.73		452.41
440	M8725190058 POTNTIAL TRANSFORMER,415/110 V 50 VA C	0.08		-0.06		
441	M8725448004N 400KV CVT 4400PF,400KV/110VOLT	9.17		-0.40		
442	M8725548047 CAPACITOR VOLTAGE TRANSFORMER;FOR 420K			-1.80		
443	M8750862402N 36KV,12500A LV BUSNG ASSY 200MVA GT			-0.06		
444	M8752211526 COOLR BANK +FAN CGL:1PH 200MVA,420/21K			109.85		
445	M8752211527 COOLR CNTRL CABNT CGL:1PH200MVA,420/21		8.93	0.01		
446	M9018257028 VTT11ZG8152B DELAY ON P/U 0.1-1SEC220V	0.10		-0.08		
447	M9041100164; NUMERICAL FEEDER PROTECTION RELAY 1A			904.92		
448	M9041118015 FP RELAY NUM:1A:SEL-751A61G1G3G7281031	1.57		-1.27		
449	M9041160113 RELY NUM:1A:RET670(ABB):YN1M301396-UC	18.59				
450	M9041510019 RELAY NUMERI GE MULTILIN	15.70				
451	M9041525323,NUMERICAL GENERATOR PROTECTION GR-2	175.97		-0.49		
452	M9041559049;RELY NUM:220VDC:REC670(ABB)YN1M301396-	8.56		17.11		
453	M9041559067 RELY NUM:220VDC:REC670(ABB)YN1M301396-	8.56				
454	M9041559076 RELY NUM:220VDC:REC670(ABB)YN1M301396-	8.32				
455	M9216052364;360V,275AH BATTERY BANK			35.56		38.89
456	M9406726003;3 PHASE POWER ANALYSER			4.89		
457	M9406826001N;ONLINE DGA & MONITORING SYSTEM					47.89
458	M9414156039;SEMRACK FOR VFD: LCI-SEMRACK-2-SPR; BH				16.81	
459	M9416299086 TRANSMTR:ELECT:0-	-0.06				
460	M9416488228 FURNACE DRAFT	-0.06				
461	M9416494021 PR/DP TRANSMITTER (-)200 TO (+)200 MMW	-0.06				
462	M9416534024 DP TX -3200 MMWC TO 3200 MMWC 1/2NPT(F	-0.06				
463	M9416604723 DP TRANSMITTER,0 TO 275 MMWCL	-0.03				
464	M9416664620N DP TRANSMITTER,0 TO 600 MMWCL	-0.06				
465	M9416701828 DP TRANSMITTER 0-1000	-0.06				
466	M9416829623 DP/FLOW TRANSMITTER, RANGE:0-15000 MMW	-0.06				
467	M9419486002N, POSITIONER - MODEL:PVR10-10; CCI/SUL	6.77				
468	M9419506048N;POSITION TRANSMTR: RSG16 +4K, MAKE: C				16.58	
469	M9419586001N;SINGLE ACTION CONTROL UNIT(SACU), CCI				29.08	
470	M9420226007, EXTN.CABLE: 330877 80 36 00; BENTLY	0.60		0.00	0.00	
471	M9420316003, BENTLY 3300XL50MM PROXMTY PROB FOR HP	1.68		0.00		
472	M9420316004, BENTLY PROXIMITOR FOR HP ROTOR EXPN	0.71		0.00		
473	M9420606004, 3500 POWER SUPPLY FOR BENTLY TSI PANE				0.00	
474	M9428506035, BENTLY AC LVDT P.NO. 36393-				0.00	
475	M9438378708;OXYGEN ANALYZER FOR FLUE GAS				14.06	
476	M9438456367;CO,SO2,NOX ANALYZER: FMGCEM 40A0; FORB				20.36	20.89
477	M9446306008 COLLIN'S TX FOR TURB EHC LVDT D4802	3.62				
478	M9446656140N;COMPLETE ACTUATOR ESS HI 1000					20.35
479	M9456435169 HP/LPHLS 246781ZA-HPELECTRODE200KGMOBR	0.92				

480	M9456435601 HITEMPPTFEPROBEELS300HOTWELLSLEVEL STAT	1.63				
481	M9463140045 FLAME SCANNER HD ASSLY FOR SAFE SCANNE			-0.59		
482	M9463186031N, 42" WALLEYE CAMERA WITH 4-20MM ZOOM	24.65				
483	M9463206041N HEA RETRACTOR FOR HEA IGNITION SYSTEM			26.42	-3.35	
484	M9467006007;MP BASED CONTROL SYSTEM,MDL:196NT, STO				236.65	14.87
485	M9467236045 LOAD CELL AMPLIFIER CARD GRAV FDR-STOC	4.53				
486	M9470526002 KEYSTONE PNEUM ACTUATOR MODEL F79U 003	0.36				
487	M9470526003 KEYSTONE PNEUM ACTUATOR MODEL F79U 006	0.22				
488	M9470526004 KEYSTONE PNEUM ACTUATOR MODEL F79U 024	0.39				
489	M9470673002 ACTUATOR,PNEUMATIC,KEYSTONE F 79U 012	0.75		0.00		
490	M9475379998 POWER SUPPLY MODULE	4.09				
491	M9476176065N;CHLORIDE ANALYSER - COMPLETE			27.05		
492	M9476256006;LUMINESCENT DISSOLVED OXYGEN SENSOR			11.85	6.22	
493	M9476550107N;ONLINE SILICA ANALYSERRANGE:0-5000PPB				6.33	6.14
494	M9476580012N;ON-LINE MULTI STREAM PHOSPHATE ANALYZ			26.43		
495	M9476586176N;ON LINE SODIUM ANALYSER			6.39		
496	M9476616019 CONDY TX COMPLETE 09125=A=3000	0.00				
497	M9479066009;COMPLETE OPACITY MONITOR				5.42	
498	M9481018466N ELECT.ACTUATR: SMB4-200/23.3RPM;LIMIT	0.00				
499	M9481056049N COMPLETE ACT ASMBLY,AUMA,SAR6E16	26.06				
500	M9481056050N COMPLETE ACT ASMBLY,AUMA,SAR100E45	26.06				
501	M9481056072 AUMA ACTUATOR-SA100AB32/32RPM	0.03				
502	M9481056074N AUMA ACTUATOR-		0.90			
503	M9481056292 ELECT.ACTUATOR - TYPE: SA3.5A16, AUMA	0.03				
504	M9481056408 SHORT CKT.PROTN.CARD FOR ACTR - SAR6E1	3.27				
505	M9481059683 COMPLETE ACTUATOR,TYPE: SA30.1-F30,AUM		7.91			
506	M9481059997 AUMA(I) ACTUATOR WITH EPAC,MODEL: SA50	0.03				
507	M9481059999 AUMA(I) ACTUATOR WITH EPAC,MODEL: SA60	0.03				
508	M9481066001 ELECT ACTUATOR MODEL MB/13 BERNAD MAKE	5.81				
509	M9481106014N;ELECT.ACTUATOR - TYPE: A, 27RPM, MAKE				5.98	
510	M9481127006 ACTUATOR, ELECTRIC, LIMITORQUE, L120-2	0.03				
511	M9481306115 ROTORK K150 F10E,1.20KW,72RPM,	2.09				
512	M9481306121 K300F14E,12 RPM,0.4KWROTORK,WD 9235	2.28				
513	M9481306123 ROTORK K300G1G2A,36 RPM, WD 083	2.37				
514	M9481306128 ROTORK K500G3A,36RPM,WD094 1.6KW, 415V	2.29				
515	M9481416006 AUMA(I) SA60A90 ,WD NO-KSA	0.03				
516	M9481416013 AUMA(I) SA6A22 ,WD.NO-KSA	0.03				
517	M9481416017 AUMA SA50AB32, 32 RPM,MOTOR 2.2KW	0.03				
518	M9481974415 ELECT.ACT. L120-10-3/8P/18	0.03				
519	M9482036001N ELEC.ACTR.WITH SYNCHROPAK K150GOA,ROT		0.25			
520	M9482036002 ELECL ACTR.WITH SYNCHROPAK:K300G1/G2	3.08				

521	M9482036003 ELEC.ACTR.WITH SYNCHROPAK: K800G,ROTOR	1.88	0.13			
522	M9482036006 ELEC.ACTUATOR WITH SYNCHROPAK K600G1/G	1.73	0.06			
523	M9482036007 ELEC.ACTUATOR WITH SYNCHROPAK K1000G3/	1.90				
524	M9482036008 ELEC.ACTUATOR WITH SYNCHROPAK: K500G3A		0.25			
525	M9482039999 ROTORK ACTR.WITH SYNCHROPAK,TYPE: K30G	4.80				
526	M9491160013N CABLE FAULT LOCATOR FOR POWER CABLE			74.02		
527	M9491526003N;ELECTRONIC TEST BENCH			5.26		
528	M9494356040 HPH/LPH LVL SWITCHES ELECTRONIC UNIT	3.10				
529	M9494550009;SCOOP TUBE ACTUATOR & TRANSMITTER;MDBF				13.48	
530	M9506276003 GENIUS BUS INTRFCE IC693BEM331K DMP PL		0.70			
531	M9510556027;BUS CPLG.MDL: 70BK08B-E MODBUS RTU/TCP			35.87		
532	M9515670615N SCHIENDER RIO DROP S908 2CH(140CRA932	1.35				
533	M9520276011 G.E.FANUC MAKE,DI 32 I/P MODULE FOR CH		0.30			
534	M9526486001N;DRIVE CONTROL MODULE: ED 69229S908A D					29.97
535	M9526596002 DSZAB DRIVE CONTROL		15.12	-0.12		
536	M9551140003;projection unit(xga)for				26.67	
537	M9551146060N;LVS-67",COMPLETE WITH PROJECTOR,LAMP			-1.15	54.71	
538	M9557276003 PLC PROCESSOR IC693CPU360CF GE FANUC		0.86			
539	M9557596021 AMDAA MOD FOR DISPLACEMENT MEASUREMENT	10.20				
540	M9565276021 POWER SUPPLY 24VDC IC693PWR331 CPU PLC		1.84	-0.14		
541	M9567246002;PROCESSOR MODULE-OCR 400,P/N:5X00247G0				92.01	
542	M9567486017N;DPU-4F PRIMARY PROCESSOR:ED69230D401B					79.11
543	M9567556002;PROCESSOR MODULE - MODEL: 70PR07A; ABB					71.86
544	M9583556001;70EI05 A-E SPEED I/P MDL		13.35	31.40		
545	M9583556004;ABB:SPED INPUTMODUL:70EI06A;PROCNTLABB					32.57
546	M9591676002 TIMER/COUNTER MODULE:QUANTUM140 EHC202	1.47				
547	M9598006005;WORK STN: INTEL XEON QUAD CORE, E5-162					83.19
548	M9598626011;HMI ENGG/OPR.WORKSTATION/RSLOGIX-500					19.97
549	M9598746069;WORK STATION: 6DU1000-0AA00-0JD1;SIEME					26.53
550	M9598876002;COMPLETE HMI SYSTEM: WSPOSE, BHEL				365.80	365.80
551	M9420626015;RELAY O/P MODULE: VM-5Y1-01,MAKE:SHINKAW		0.31			
552	M5502406005;1200TPH:VARIABLE DISPL AXIAL PISTON P/P			10.33	10.52	10.86
553	M9476151001N;DEGASED CATION CONDUCTVTY.METER: DCC1000			23.13		
554	M3246126000;14UPH4M1:COMPLETE ASSY		40.33			48.86
		3,387.46	2,791.53	3,910.85	5,594.13	7,608.80
(C)	Details of capital spares consumed during the year					
1	M1821255844-CHECK VALVE:BW END A217 WC9:2500:100MM	-	-	-	1.40	-
2	M1824092052-150MM SIZE, CL-150 WEDGE GATE VALVE CCS	-	1.00	0.56	0.29	-
3	M1826183160-GATE VALVE 10"(250MM) CL300,IS:10611	1.72	-	-	-	-
4	M1826190845-GATEVALVE 4" CLASS 2500 CAST AL.STEEL WC	-	-	-	-	1.93
5	M1826585045-C.S. GATE VALVE SIZE 100mm	-	-	0.40	-	-

6	M1826586544-CAST CARBON STEEL (WCB) GATE VALVE100mm	-	-	6.70	-	-
7	M1827255440-GT VLV IS10611 MO BW A217WC9 CL3500 80MM	-	-	-	-	3.43
8	M1827255944-GT VLV IS10611 MO BW WC9 CL3000 100MM	-	-	10.95	-	-
9	M1832243052-GT VLV API:600 FLGD WC-6 CL-150 150MM	-	-	-	0.18	-
10	M1832243056-GT VLV API:600 FLGD WC-6 CL-150 200MM	-	0.29	1.16	-	0.37
11	M1832243060-GT VLV API:600 FLGD WC6 CL-150 250MM	-	-	-	-	0.92
12	M1832243064-GT VLV API:600 FLGD WC-6 CL-150 300MM	-	-	1.92	8.58	-
13	M1833183040-80NB GLOBE,HO,CAST STEEL IS:10605/BS1873	-	-	-	0.27	-
14	M1834190844-GL VLV IS:10605 MO BW WCC CL-2500 100MM	-	-	1.89	-	-
15	M1834190852-GL VLV IS:10605 MO BW WCC CL-2500 150MM	30.13	-	-	-	-
16	M1840704036-65 NB CI GATE VALVE.	-	-	0.10	-	-
17	M1840707156-200 NB CI GATE VALVE.	-	-	1.00	-	-
18	M1843740156-GT VLV IS:14846 FLGD A439D2 CL-2 200MM	5.00	-	-	-	-
19	M1865806836-`Y' TYPE STOP GLOBE VALVE 65 mm CL-2500	1.11	0.56	3.32	0.76	1.11
20	M1878170652-BF VALVE 150 MM, SS MANUAL PN10	-	0.08	-	-	-
21	M1878174701-18"(450 MM) BUTTERFLY VALVE	-	0.63	-	-	-
22	M1878180593-BFVLV IS:13095 FLGD MS PN16 1300MM	-	-	-	-	6.13
23	M1878271270-400 NB MAN.OPTD.BUTTERFLY VALVE	1.95	-	-	-	-
24	M1878375581-B-FLY V/V:MO-FLANG:PN10-ASTM439-D2:650NB	-	1.50	-	-	-
25	M1883286003-CI B/F VLV;100NB,PN16,WAFER,EPDM LINING	0.02	-	-	-	-
26	M1883286005-CI B/F VLV;150NB,PN16,WAFER,EPDM LINING	0.02	-	-	-	-
27	M1883286009-CI B/F VLV;300NB,PN16,WAFER,EPDM,GEAR OP	0.25	-	-	-	-
28	M1883800918-250MM KGV,VALVE WITH PNEUMATIC CYLINDER	-	-	-	2.80	-
29	M1897092056-KNIFE GATE VALVE FLGD. A47 CL-150 200MM	0.59	0.40	-	-	-
30	M1897092060-KNIFE GATE VALVE FLGD. A47 CL-150 250MM	0.85	0.02	-	-	-
31	M1897092064-KNIFE GATE VALVE FLGD. A47 CL-150 300MM	-	21.53	-	-	-
32	M1897092070-KNIFE GATE VALVE FLGD. A47 CL-150 400MM	17.03	-	4.96	-	2.66
33	M1917302806-BEARING 23028BKD1	-	-	-	0.10	0.13
34	M1917305209-BEARING 23052BK	-	-	-	-	0.80
35	M1917306035-BRG 23060 CCK/C3 W33 LOCK NUT & WASHER	-	-	-	-	1.52
36	M1917307234-BEARING 23072 CCK/W33 LOCK NUT MH3072	-	-	-	-	2.83
37	M1970353725-BEARING 294/75E	-	45.35	-	-	-
38	M1970353725-SPH-RLR-THRUST	-	-	-	-	17.59
39	M1979809100N-BEARING:C-	-	5.95	11.89	-	-
40	M1979809100N-SPL.BEARING: C-8091-C	-	-	3.46	3.32	3.46
41	M1980532864-BEARING HOUSING SD 3028TS	-	-	-	0.42	-
42	M1980533603-PLUMMER BLOCK SD 3036AF	-	-	-	0.38	-
43	M1980534403-PLUMMER BLOCK SD 3044AF	-	-	-	0.34	-
44	M1980534464-BEARING HOUSING SD 3044TS	-	-	-	0.34	-
45	M2041275000-FLUID COUPLING:SC-10 COMP.ASSY FLUIDOMAT	-	-	-	9.96	-
46	M2041627000N-FLUIDCOUPLING FCU17.75 COMP ASSY PEMBRIL	-	0.50	-	-	-
47	M2041629000-FLUID COUPLING PEMBRIL-	-	1.40	-	-	-
48	M2041632000N-FLUID COUPLING#FCU-23 COMP ASSY PEMBRIL	-	1.50	-	-	1.43
49	M2041668000-FLUID COUPLING SDFC450 PEMBRIL	-	-	0.42	-	-
50	M2041690000N-FLUID COUPLING # 23SCR25W COMPLETE ASSY	-	-	-	2.87	-

51	M2041693000N-PEMBRIL:26SCR25W:COMP	-	-	-	-	6.79
52	M2052202500-GEAR BOX:KBH-250 COMP EQUPT. ELECON	-	-	11.97	-	-
53	M2052202533-GB:ELECON:KBH250:COMP INTERNALS SET	-	-	5.12	9.42	-
54	M2052203146-GB:ELECON:KCN250:COMP INTERNALS	-	9.00	-	-	-
55	M2052203500-ELECON:KCN355:COMP ASSY	-	-	-	-	8.84
56	M2052203799-GB:ELECON:KCN400:INTERNALS COMP	-	-	-	-	18.33
57	M2052203900-GEAR BOX KCN-450 ELECON	-	73.52	-	-	-
58	M2052203901N-GB-ELECON:KCN450:GEAR CASE TOP	-	-	-	-	2.91
59	M2052203902N-ELECON:KCN450:GEAR CASE BOTTOM	-	-	-	-	3.55
60	M2052203907N-2ND INT.MDT.PINION#7 KCN 450 ELECON	-	1.50	-	-	-
61	M2052204400-GB:ELECON:KCH-180:COMP	-	-	-	-	19.90
62	M2052207100-GB:ELECON:KBN-225:COMP	-	-	5.36	3.87	-
63	M2052207133-GB:ELECON:KBN-225:COMP INTERNALS SET	-	10.71	-	-	-
64	M2052571800-GEAR BOX:B3-280COMP ASSY PREMIUM ENERGY	-	-	-	-	6.30
65	M2052571900-G:BOX:PET:B3-355:COMP ASSY	-	-	28.74	-	-
66	M2052572200-GEAR BOX:B3-500 COMP ASSY PREMIUM ENERGY	-	-	-	-	12.50
67	M2052572212N-G:BOX:PET:B3-500:PINION SHAFT #15	-	-	-	-	6.11
68	M2052572214N-G:BOX:PET:B3-500:O/P	-	-	-	-	6.52
69	M2052573000-GEAR BOX#H1-200 COMP.ASSY MAKE:PET	-	-	-	-	3.42
70	M2052573100-GEAR BOX:H1-225 COMP ASSY PREMIUM ENERGY	-	-	-	-	13.42
71	M2052955503N-PINION SHAFT #TM2PI416 TRIVENI:N1000C	5.94	-	9.28	-	-
72	M2052955505N-GEAR WHEEL SFT #TM2SI416 TRIVENI:N1000C	8.00	-	16.00	-	-
73	M2057145000N-FLEXIBLE COUPLING FBC -	-	-	0.16	0.15	-
74	M2058031001N-GEAR COUPLING NO.ED 6200	-	-	-	0.93	3.20
75	M2058039009N-GEAR COUPLING ED1000 COMP.UNIT ELECON	-	-	0.19	-	-
76	M2090040500-:ELECON:BZWE-2240:COMP	-	-	-	-	0.26
77	M2090040800-:ELECON:BZWE-5600:COMP	-	-	-	-	0.62
78	M2090041900-:ELECON:ED6200:COMP ASSY	-	-	-	0.80	-
79	M3113126001-SCREW PUMP-APH LUB SYSYTEM-ALEKTRON	-	-	-	0.61	-
80	M3113306001-CARTRIDGE ASSEMBLY FOR HFO SCREW PUMP	-	-	-	-	3.97
81	M3113326046-DH 375-1000-3:CARTRIDGE ASSEMBLY	-	-	-	1.98	-
82	M3136786000-FA1B75:COMPLETE PUMP	-	-	-	-	47.11
83	M3136796004-BOOSTER PUMP DOUBLE THRUST BEARING	-	0.06	-	-	-
84	M3136806079-BRGS OF GDN-28 RADIAL-CUM-THRUST BRG	3.50	-	-	-	-
85	M3136806121N-JOURNAL BRG.HALF-DE#10-WEIR BFP-PR:FKE36	0.30	-	-	-	-
86	M3136806132-IMPELLER 2ND STAGE#48-WEIR BFP-PR.:K4E36	-	3.00	-	-	-
87	M3136806133-IMPELLER-3RD STAGE#52-WEIR BFP-PR:FK4E36	-	3.00	-	-	-
88	M3136806143-THRUST BRG#78-WEIR BFP-PR.PUMP:FK4E36	-	-	0.82	-	-
89	M3136806170-PUMP SHAFT#37-WEIR BFP-PR:FK4E36	-	-	18.60	-	-
90	M3136806312N-FK4E36:MECHANICAL SEAL (	-	10.29	-	-	-
91	M3182016004N-SHR 22500:1ST STAGE	-	-	-	-	18.16
92	M3182016007N-SHR 22500:SHAFT	-	-	-	-	15.24
93	M3197202600N-SHF3, SIZE: 162MM:COMPLETE MECHANICAL SE	7.75	19.66	-	-	10.45
94	M3197203000N-SHF2/135:COMP.MECH.SEAL ASSY.	-	-	2.38	-	-
95	M3210106001-Deleted CC PUMP JOURNAL BEARING;1ST=12PA	-	-	0.54	-	-
96	M3246496015-IMPELLER;HYDRANT/SPRAY PUMP KBL	-	-	-	-	1.11

97	M3246556020-8UPH-4M1:IMPELLER-CF8M	-	-	1.95	-	-
98	M3246786001N-IMPELLER - KBL BHQ-70M SEA WATER PUMP R7	-	-	-	11.76	-
99	M3246786059N-TRANS SHAFT (DOUBLE SL);SEA WATR PUMP R7	-	-	-	-	15.03
100	M3246786061N-HEAD SHAFT;SEA WATER PUMP R7	-	-	-	-	2.85
101	M3246786063N-IMPELLER SHAFT;SEA WATER PUMP R7	-	-	-	-	2.25
102	M3246896000-BHR42:BHR 42:COMPLETE PUMP ASSEMBLY	-	-	-	-	18.07
103	M3249146000-KPD150/52M:COMPLETE PUMP ASSEMBLY	-	-	-	-	4.13
104	M3249146011-KPD150/52M:ENCLOSED	0.80	-	-	-	0.80
105	M3253956000-UP 200/42:COMPLETE	10.00	-	-	-	-
106	M3253976000-UP 300/34:COMPLETE	-	-	-	-	7.48
107	M3302186000-CL 3001:COMPLETE ASSY.	-	-	-	-	9.07
108	M3310206001N-SUBMERSIBLE SLUDGE/SLURRY PUMP,	-	-	5.38	-	-
109	M3342150004-BOTTOM ASH SLURRY P/P AR 200/550..	-	47.46	-	-	-
110	M3342256021-ASH SLURRY PUMP#AR300/750A CLOCKWISE SAM	-	-	-	-	21.32
111	M3342456000-4MD80/205:COMPLETE ASSY.	-	5.21	-	-	2.65
112	M3342556000-5MD80/205:COMP.PUMP ASSLY	-	-	-	-	2.75
113	M3344146005N-CPC125/400:IMPELLER	2.50	-	-	-	-
114	M3344716000N-TPS 200/500:COMPELETE	-	9.00	-	-	-
115	M3366606000-NV2400:COMPLETE ASSY.	-	-	-	-	3.92
116	M3370656022N-TG JOP ST-II	13.04	-	-	-	-
117	M3397166015N-RF90TC-H:PUMP SHAFT	-	-	-	-	106.73
118	M3397166016N-RF90TC-H:SHAFT COUPLING	-	22.69	-	-	27.95
119	M3397166039N-RF90TC-H:TOP COLUMN PIPE	-	-	-	-	40.35
120	M3397186000N-1.25LR8:COMPLETE ASSY.	-	-	-	-	16.75
121	M3397436000N-CM48TC-I:COMPLETE ASSY.	-	-	-	-	1.87
122	M3408756001N-H.P. ELEMENT FOR PA/IA COMPRESSOR ZR-250	5.00	-	-	10.02	7.52
123	M3408756002N-L.P. ELEMENT FOR PA/IA COMPRESSOR ZR-250	-	-	-	-	12.51
124	M3408756009N-ROTOR OF MD-600(W) DRYER IA/PA ZR-250	-	24.15	2.47	-	-
125	M3408756009N-ROTOR OF MD-600(W) DRYER IA/PA ZR-250	-	-	-	4.53	9.01
126	M3408866025-ZR SERIES:H.P. ELEMENT (O.F.S.K-21)	19.39	-	-	7.30	-
127	M3408866026-ZR SERIES:L.P. ELEMENT (O.F.S. O-21)	42.62	-	-	-	-
128	M3408876018-ZA6L-200:ELEMENT ZA,ZR 6 52	-	50.60	-	-	-
129	M3408990936-O.F.S	-	-	14.93	-	-
130	M3799064208-2-C2500-GLV-SW-MO/HW-A105:F22:SW:COMP V/	2.00	-	-	4.38	-
131	M3799065800-20-C300-GV-BW-GO-WCB:COMP. VALVE ASSY(GO	-	-	2.28	-	-
132	M3799067000-6-C150-GV-HW-BW-WCB:COMPLETE VALVE ASSY	-	1.10	-	-	-
133	M3799095809N-100DR4X4"GLOBE C2500:METAL SEAL:	-	4.01	-	-	-
134	M3799250100-200NB:VALVE ASSEMBLY:	1.20	3.06	-	-	-
135	M3799642800N-38-412X1-4":COMPLETE ASSY.:	1.50	-	-	-	-
136	M4674266117-RAPCON CPU CARD #V004/RDC/REV 00	4.65	-	-	-	-
137	M4711236034-SH SPRAYMAIN CV O/L ISOLV/V PART NO.S108	-	-	-	6.42	-
138	M4716226014-R49-R52;GLV2 1/2;1500C;WCB;W/O ACTUATOR	-	-	3.22	-	-
139	M4719040055-ECO COIL ASY.(500MW)	-	-	-	-	76.64
140	M4719046089-ECO COIL LOWER ASSY	-	-	-	34.04	-
141	M4721086122-SBPRV(MAIN) O/L-ISOL,VALVE PART NO.SB8	-	-	3.53	-	-
142	M4724146022-E18,E19,B113,B114,S22;RGV2 1/2;W/O ACTR	-	-	3.07	-	-
143	M4724146027-S23,S24;GLV;3;1500C;WCB;BW;W/O	2.69	-	2.69	1.06	-
144	M4724146028-S25,S26;RGV;3;1500C;WCB;BW;W/O	-	-	4.08	-	-
145	M4725010287-DRUM SAFETY VALVE ASSEMBLY BHEL 1740WB	-	-	9.76	-	-

146	M4725010288-DRUM SAFETY VALVE ASSEMBLY BHEL 1750 WB	10.33	-	-	-	-
147	M4725026106N-MS.SAFETY VALVE MODLE 1740 WD 500MW	8.60	-	-	-	-
148	M4725056030-SB SAFETY V/V TAG;SV30 (1811LC-6X-20)	-	-	-	1.96	-
149	M4725076020-SH ERV;SV9-SV12&SV25;1538VX	-	-	-	9.26	-
150	M4725866001-SUPER HEATR SPRAY CONTRLV/V(CAPITALISED)	-	-	-	0.79	-
151	M4726136001-ELECT.ACTUATOR WITH GEAR BOX	-	-	-	-	1.54
152	M4750016085N-HOT END SECTOR PLATES-PAPH 26.5VIM2000	-	-	-	-	4.26
153	M4750036210-OVER RUNNING CLUTCH-SPEED REDUCER APH	-	3.77	-	-	-
154	M4750036212-GEARS&PINION-TY II REDUCER-SAPH	-	-	21.32	-	-
155	M4750036376N-DRIVE PINION	-	2.60	-	-	-
156	M4754016061N-DODGE PILLOW BLOCK HOUSING ASSY,ID FAN	13.57	-	-	-	-
157	M4755016059-AP FAN BLADES:23 NOS-FD FAN AP1 26/16	-	-	106.53	-	2.42
158	M4756010086N-AP2 20/12:SET OF 23 BLADES	-	-	47.66	-	-
159	M4756010218N-REGIFEX COUPLING FOR PA FAN STAGE II	4.51	-	-	-	-
160	M4756010223-IMPELLER BLADES FOR PA FAN ST II ASY.	-	-	-	21.73	-
161	M4756016039-AP FAN BLADES AP2 20/12-PA	-	36.00	-	22.72	-
162	M4761056076N-BEVEL PINION SHAFT:KMP 300:XRP 1003 MILL	-	-	7.28	-	-
163	M4761056161N-GRINDING ROLL FOR XRP	97.21	142.25	99.29	36.75	7.14
164	M4761056161N-GRINDING ROLL FOR XRP	-	-	6.63	-	-
165	M4761056161N-GRINDING ROLL FOR XRP 1003	-	-	-	32.16	45.99
166	M4761056332-WORM GEAR & SHAFT SET OF COAL MILL	-	25.00	-	-	-
167	M4761056419N-MDV ASSEMBLY OF XRP 1003 MILLS	-	-	37.84	-	-
168	M4761056545N-COMPATIBLE BULLRING SEGMENT	29.70	5.94	5.94	1.53	-
169	M4761056659-JOURNAL SHAFT ASSEMBLY FOR XRP 1003 MILL	6.75	-	-	-	-
170	M4761057008N-WORM SHAFT FOR XRP-1003 BOWL MILL	-	23.49	7.56	-	8.88
171	M4761057222N-SINTERCAST BULLRINGSEGMENTS BA9735011239	11.95	-	-	-	-
172	M4761057231-LUB OIL COOLER FOR XRP 1003 MILL	-	-	4.61	-	-
173	M4761206030-IMPELLER ASY-SEAL AIR FAN NDFV-12.5	-	-	3.57	-	-
174	M4768106037-FEEDER BELT REDUCER RATIO 138.9:1	-	-	5.03	-	-
175	M4768106038-CLEANOUT CONVEYOR REDUCER WITH MOTOR	-	0.35	-	-	-
176	M4770046015N-GEARED MOTOR FOR CE RAPPING	1.19	-	-	-	-
177	M4770156002-HVR 70KVDC 1200mA 90KVA BHEL JHANSI MAKE	-	-	-	7.17	-
178	M4770176001-SUPP INSULATOR CYLINDRICAL 370MM OF ESP	0.24	-	-	-	-
179	M4770196002-DELETEDFIRING CARD FOR BHEL ESP EL.CONTR	-	-	3.30	-	-
180	M4770216001-DELETEDRAPPER RELAY CARD FOR BHEL RAPCON	-	-	0.05	-	-
181	M4770216002-DELETEDDIGITAL BUFFER CARD FOR BHEL RAPC	-	-	0.05	-	-
182	M4770216003-DELETEDDATA COMMUNICATION CARD FOR BHEL	-	-	0.09	-	-
183	M5101056014-Deleted CAP NUT M52 (SV&CV) DRG 01122205	-	-	-	-	0.43
184	M5101056036-Deleted STUD M52X240 (SV&CV) DRG01122205	-	-	0.03	-	0.41
185	M5101116009-Deleted CAP SCREW M8X25 DRG.NO.011402410	-	-	0.00	-	-
186	M5101116011-Deleted CAP SCREW M8X30 DRG.NO.011402410	-	-	-	-	0.04

187	M5101116021-Deleted ROD END M14,DRGNO. 01140241000-1	-	-	-	-	0.28
188	M5101906010N-U-SEALING RING MACHINED 01050109000/03	-	-	27.89	-	19.89
189	M5101906010N-U-SEALING RING MACHINED 01050109000/03 (M5101906010)	-	-	-	19.89	-
190	M5101906013N-U-SEALING RING MACHINED 01050109000/05	-	6.90	3.66	-	26.90
191	M5101906014N-U-SEALING RING UNMACHINED DRG:0105010900	-	-	-	4.10	7.61
192	M5101906016N-U-SEALING RING MACHINED 01050109000/07	-	-	-	16.42	-
193	M5101906099N-SEALING RING (IN 8 PARTS) 01050509000/01	-	-	8.57	-	11.26
194	M5101906106N-SEALING RING (IN 6 PARTS) 01050509000/08	-	-	0.77	-	-
195	M5101906109N-SEALING RING (IN 6 PARTS) 01050509000/11	-	-	0.77	-	-
196	M5101906139N-U-SEALING RING DRG:11051409000/06	-	-	3.35	-	11.52
197	M5101906140N-U-SEALING RING DRG:11051409000/07	-	-	-	4.12	4.14
198	M5101916379N-COUPLING BOLT M56X60X270 01172327000/51	-	-	0.57	1.39	-
199	M5101916808N-COUPLING BOLT M64 DRG:01183141000/16	-	7.95	2.20	-	-
200	M5101936008N-SEALING RING DRG:01122305000/07	-	12.00	-	9.40	-
201	M5101936045N-SEALING RING DRG:01120205000/19	-	-	-	18.80	-
202	M5101936130-PRE-CONTROL VALVE HPCV DRG:01140205100/0	-	-	-	-	0.51
203	M5101936440-PRE-CONTROL VALVE IPCV DRG:01140405100/0	-	3.50	-	-	-
204	M5101936732-VALVE CONE	-	-	-	20.27	-
205	M5101936990-IPCV VALVE CONEDRG:11132227000/7	-	-	-	14.96	-
206	M5102016091N-SEALING HOUSING DRG 0106062700000-8	-	-	0.40	-	-
207	M5102056026-Deleted O-RING 50X3 DRG 01140405100-81	-	-	-	-	0.02
208	M5102076006-Deleted CAP NUT PM90X6 DRG 01132127000-1	-	0.60	-	-	-
209	M5102111098-IPCV SERVOMOTOR AS PER DRG0-11404-27000	-	6.00	-	-	-
210	M5102126016-Deleted SPRING SUPPORT DRG 01144001000-1	-	-	0.10	-	-
211	M5102906394N-SEALING RING DRG:01061227000/03	-	22.18	-	12.96	22.27
212	M5103016225-COMPENSATOR DN1100/6BDRG1107130900000002	-	-	-	6.20	-
213	M5103126001N-COMPENSATOR DN600X12 DRG3107684110000002	3.75	-	-	-	-
214	M5103906568-MOVING BLADE LP3L DRG:01030741000/03	-	53.00	-	-	-
215	M5103906572-MOVING BLADE LP3R DRG:01030741000/07	-	53.00	-	-	-
216	M5105016129-ANGLE VALVE HRH-109, HRH-	-	-	5.34	-	-
217	M5105016130-ANGLE VALVE BP-101,102,MS-101,102,105,10	7.13	-	7.13	-	-
218	M5105016169-SINGLE STAGE ANGLE DRAIN VV DN50 EXV/CRH	7.16	-	-	-	-
219	M5105030022-ANGLE VALVE WITH ACTUATOR MAL 11& MAL12	7.43	-	-	-	-
220	M5105036087N-ANGLE DRAIN VALVE MAL47,MAL51, MAL52	3.73	-	-	-	-
221	M5106056004-Deleted CAP SCREW M27X135 DRG 1115014100	0.10	-	-	-	-
222	M5106056005-Deleted PIN CYL 20X80 DRG 1115014100000-	0.10	-	-	-	-
223	M5106056007-Deleted WASHER LOCK 21 DRG 1115014100000	-	-	-	0.00	-
224	M5106056008-Deleted WASHER TAB 21 DRG 1115014100000-	-	-	-	0.01	-
225	M5108016008-COUPLING BOLTS HP-IP DRG 01172327000-51	-	-	0.31	-	-

226	M5108026004-COUPLING BOLTS M64 DRG 01183127000-16	-	2.80	-	-	-
227	M5108026009-Deleted CYL. PIN DRG 01183127000-19 OF I	-	0.03	0.12	-	-
228	M5108036008-Deleted CYL.PIN D16 DRG.NO.11183341000-0	-	0.03	-	-	0.13
229	M5108036009-COUPLING BOLT M64 DRG.11183341000-001	-	-	0.30	-	-
230	M5108036009N-COUPLING BOLT M64 DRG.11183341000-001	-	5.77	5.41	-	-
231	M5121026263N-GEN DRG 1-154-01-01000-a H2 SEAL RING EE	-	-	1.49	-	-
232	M5122046012-GEN DRG 0-143-10-01006-36 DIODE RECTIFER	-	-	0.76	-	-
233	M5122046013-GEN DRG 0-143-10-01006-39 FUSE RECTIFIER	-	-	7.11	-	1.07
234	M5122046014-GEN DRG 0-143-10-0100-35, DIODE RECTIFER	-	-	0.76	-	-
235	M5122046042N-GEN DRG KWU-,	-	-	6.05	-	-
236	M5122316005-DAVR:R1 IND-PC TO PS 4041134	-	3.37	-	-	-
237	M5122316026-DAVR:R2 DC-DC CONVERTOR MODULE	-	3.50	-	-	-
238	M5122316058-DAVR:R2 DC (-)15V +15V, 4-20MAMP, 240VAC	-	-	0.95	-	-
239	M5122316059-DAVR:R2 DC 0-10V, 4-20MAMP, 240VAC,	-	-	-	-	0.49
240	M5122316097-DAVR:TY DC TDR 300VDC,4-20MA DUAL,220VAC	-	0.20	0.29	-	-
241	M5122316098-DAVR:TY DC TDR DUL 0-60MV,4-20MA,220VAC	-	-	-	-	0.94
242	M5122316099-DAVR:TY DC TDR DUL 0-40V,4-20MA,230VAC	0.26	-	-	-	-
243	M5123030972-DIFF PR. REGULATOR V/V NB25 W90414901444	-	-	-	6.73	-
244	M5123036020-GEN DRG 0-149-32-01002-6, SOS DPR	17.91	-	-	-	-
245	M5141016011-BELLOW OF SPD GOVRNR;DRG 01142105000-8	0.35	-	-	-	-
246	M5141016038-Deleted GRUB SCREW CM4X5 DRG 01142105000	-	-	0.00	-	-
247	M5141906480N-FOLLOW UP PISTON HYD.AMP. 01142305000/00	-	-	-	-	2.60
248	M5145136150-MOP ASSEMBLY COMPLETE FOR KWU TURBINE	0.00	-	-	-	-
249	M5145906009N-GEAR COUPLING DRG:01160505000/08	-	-	3.62	-	-
250	M5145906466N-2.68.2.355.750.15-150:FILTER ELEMENT	-	-	1.51	-	-
251	M5146076012-HOV;C1500/80 GV-BW;TAG;3FD-018,020,022	-	-	1.14	1.08	-
252	M5147906694-K1401-2:MAIN COUPLING	1.97	-	-	-	-
253	M5501146001-1017U:ROTOR ASSY	-	-	-	17.35	29.81
254	M5501146002-1017U:CAGE FRAME	2.00	-	-	-	-
255	M5502406005-1200TPH:VARIABLE DISPL AXIAL PISTON P/P	-	-	-	-	3.27
256	M5502406011N-1200TPH:HYDRAULIC GEAR MOTOR	2.50	-	-	-	-
257	M5502406016-1200TPH:HYDRAULIC PUMP	1.00	8.73	-	-	-
258	M5503496004N-TP/282:Clamp beam	-	-	-	-	7.55
259	M5503496127N-TP/282:ASSLY OF MOUNTING BRACKET	-	-	-	-	8.14
260	M5503496129N-TP/282:CLAMP ARM	-	-	-	-	16.89
261	M5503586008-WM/208-209:HYD. PUMP	-	-	-	-	11.83
262	M5503586142-WM/208-209:MRD 450	-	8.00	-	-	-
263	M5503606001N-TK-BOXNMARK3:HYD P/P A4VSG250H23982	-	-	6.91	-	-
264	M5503606005N-TK-BOXNMARK3:HYD MOTOR MRD509	-	-	31.04	11.55	-
265	M5503636080N-ROTASIDE-XL:PLATFORM ASSEMBLY	-	-	3.64	-	-
266	M5503646005-ROTASIDE:SPLIT SPURWHEEL ASSY	-	-	-	-	5.11
267	M5503666120N-ROTA SIDE:HYD. CYLINDER	-	-	-	3.42	-
268	M5503676040N-ROTASIDE:H.P.U:AXIAL PISTON PMP	-	-	-	-	23.25

269	M5504150026-DELETEDPULLEY 630*1400 SHAFT 165D 10MM R	-	-	-	2.50	-
270	M5505286008-DEFLECTRPULLY N.DRIVE 273DIAX1600/DR-1	0.92	-	-	-	-
271	M5505286183-1400:PULLEY DXL630X1600 SHAT D225MM	-	-	3.75	-	-
272	M5505286184-1400:PULLEY DXL630X1600 SHAFT D195MM	5.89	-	2.40	5.00	-
273	M5505286185-1400:PULLEY DXL800X1400MM SHAFT DIA285MM	-	-	-	-	9.50
274	M5505286190-1400:PULLEY DXL 630X 1600 SHAFT DIA 220	-	-	-	-	2.72
275	M5505286192-1400:PULLEY DXL 273X 1600 SHAFT DIA 110	0.65	1.23	-	-	-
276	M5505286193-1400:PULLEY DXL 273X 1600 SHAFT DIA 90	1.29	-	-	-	-
277	M5505286194-1400:PULLEY DXL 630X 1600 SHAFT DIA 190	-	1.43	-	-	-
278	M5505286196-1400:PULLEY DXL 630X 1600 SHAFT DIA 160	-	-	2.46	-	-
279	M5505286206-1400:ND PULLEY DXL630X1600SHAFT D100	-	5.21	2.45	-	-
280	M5505286218-1400:ND PULLEY DXL630X1600SHAFT D110	-	-	-	0.88	-
281	M5505406028-2000:PULLEY DIA273XL 1600 SHAFT D105MM	-	-	-	0.97	-
282	M5506306000-1190X1062:FLAP GATE	-	-	-	-	2.64
283	M5506316000-990X1125:FLAP GATE	-	-	-	-	3.00
284	M5506326000-1490X1009:FLAP GATE	-	-	-	-	2.64
285	M5506366002-GEN-908REV0:FLAP GATE CRUSHER-850X760	-	-	-	3.22	-
286	M5506376001-GEN-1955:FLAP GATE	-	-	-	-	5.99
287	M5506406003-TYPE-I,II,III,IV:FLAP GATE TYPE-IV COMP.	-	-	-	-	2.90
288	M5506426001-TYPE-1 TO 6:FLAP GATE ASSY TYPE 1	-	-	-	-	17.66
289	M5514426008-TE-13:DRIVE GEAR	-	-	-	0.74	-
290	M5514426009N-TE-13:DRIVE SHAFT	-	2.50	-	-	-
291	M5514426011-TE-13:DRIVEN GEAR	-	-	-	0.74	-
292	M5514426012-TE-13:DRIVEN SHAFT	-	2.50	-	-	-
293	M5522836057-1500TPH:HYD.LUFF CYLINDER 320X200X1080	-	-	-	-	5.00
294	M5522836109-1500TPH:DRIVE BOGIE WHEEL ASSEMBLY	-	-	-	-	24.03
295	M5522846058-2000TPH:BUCKET	-	-	-	-	9.56
296	M5524406111-NON DRIVE AXLE ASSEMBLY FOR TRIPPERS	-	-	-	-	1.65
297	M5524506003-DISCHARGE PULLEY OF MT; 630X170X140MM	-	-	1.97	-	-
298	M5524576003N-1600T/HR:DRIVE AXLE ASSLY	-	-	-	-	3.42
299	M5524676004-1600TPH:FLAP GATE ASSY +LINEAR ACTUATOR	-	-	-	1.15	-
300	M5524676010-1600TPH:DRIVE WHEEL & AXLE ASSY	-	-	-	-	1.44
301	M5529026000-OVBMNRI165/40 OA:COMP. ILMS ASSY	-	-	-	-	11.51
302	M5530026001-AF/93:Head Shaft assy	24.58	-	-	-	-
303	M5530026002N-AF/93:Tail Shaft assy	-	14.00	-	-	16.86
304	M5530066063N-1800X13920MM:TRACTION	-	-	-	-	6.68
305	M5568016086N-L&T-20W/H:SAC ARM COUPLER ASSEMBLY	-	-	-	-	5.00
306	M5568026116N-WM-225:HYD. MOTOR	7.15	-	-	-	-
307	M5615306100-300MM RISING STEM GEAR OPTD. GATE V/V	-	-	-	-	1.12
308	M5615306102-500MM RISING STEM GEAR OPTD. GATE V/V	-	-	-	-	4.26
309	M5615306105-350MM RISING STEM MOTOR OPTD. GATE V/V	-	0.75	-	-	-
310	M5657606000-TECPRO:COMPLETE ASSY.	-	18.31	-	-	10.72
311	M5666026000N-INDURE/8"X8":COMPL. ASSLY	-	0.68	0.52	-	-
312	M5674046000-250NB:COMPLETE ASSY.	-	-	-	-	1.95
313	M5707006047-Deleted BUTTERFLY VLV 400NB (SWEET WTR)	1.29	-	-	-	-
314	M5805366000-1X3X24 MKIII:COMPLETE ELECTROLYSER	180.00	-	-	-	62.94

315	M5815356005N-BOTTOM CONSEP;ANION REGEN UNIT (ARU) CPU	-	-	-	20.60	-
316	M5850060100-ARU:10.20 CU.M:COMPLETE ASSEMBLY	-	-	-	-	38.51
317	M6300351015-EL OP. HOIST-2.01-3.0T:LIFT 70.01-75M	-	-	-	-	4.84
318	M6300371014-EL OP. HOIST-4.01-5.0T:LIFT 65.01-70M	-	-	-	-	2.99
319	M6300401008-EL OP. HOIST-10.01-12.5T:LIFT 35.01-40M	-	-	3.01	-	-
320	M6515131202-8 PORT 10/100 MBPS ETHERNET SWITCH	-	2.88	-	-	-
321	M6515156460-BD-155:TRACK LINK ASSY(FULL SET)	-	-	19.07	-	-
322	M6515159332N-BD-155:TRACK SHOE ASSY	-	-	11.49	-	-
323	M6600000007-HEAT EXCHANGER	-	-	7.31	-	7.31
324	M6602066100N-30HXC-	-	-	-	13.59	-
325	M6604016009-FAN ASSY FOR AHU MODEL CS578 MP	-	-	-	0.89	0.89
326	M6640156009-DELETEDCENTRIFUGAL FAN FOR A/W UNIT	-	-	-	2.58	-
327	M6640156010-DELETEDCOMPLETE SUPPLY AIR FAN FOR UAF U	-	-	-	0.19	-
328	M6810106160-COMPLETE DELUGE VALVE 100NB MAKE HD FIRE	-	-	0.56	-	0.26
329	M7530826043-DELETEDMAINTANNACE FREE BATTERY	0.09	-	-	-	-
330	M8395112465-PADDLE FEEDER CARD	2.58	-	-	-	-
331	M8525095211-THRM OVERLOD RELY AMP 3-5AL&T	5.25	-	-	-	-
332	M8562147252-MCCB IS13947,THRM MAG RELSE-3P,100A415V	-	-	-	-	0.28
333	M8568804698-LT SWTCH GR:MCC 415V LT MCC PANEL	-	-	-	-	53.15
334	M8579060517-VCB TRUCK COMPLETE 3.3KV1250A BHEL MAKE	-	-	-	12.71	-
335	M8580085512-ABB SF6 BREAKER,TYPE HPA12/3140C 3.3KV	-	-	-	13.58	-
336	M8589346001-Deleted POLE FOR 11KV SIEMENS VCB OF BEL	1.20	-	-	-	-
337	M8612844165-SCIM 415V 180KW 1500RPM B35TEFC,FR:315L	-	-	-	4.86	-
338	M8623544261-60KW,2900 RPM DCJOP MOTOR	-	5.00	-	-	-
339	M8655297082N-3PHSCIM,270KW,3.3KV,1480RPM,FR:D355-9B	-	-	-	-	9.00
340	M8692006054-PADS FOR THRUST BRG CW MOTOR ST-1	-	18.00	-	-	26.49
341	M8697016003-HROA CARD OF IOMA MODULE FOR VFD	-	-	-	12.68	-
342	M8697016043-INPUT/OUTPUT MODULE,DS38000IOMA	6.60	-	-	-	0.67
343	M8697056008-2.3 KV THRISTOR BRIDGE FOR VFD SYSTEM	-	-	11.82	-	-
344	M8697160151-DLCB AUX BOARD FOR NLCB CARD FOR VFD	-	-	-	0.30	0.04
345	M8697160294-HAIA A TO D CONVERTER BOARD FOR VFD	-	-	-	10.95	-
346	M8697160294-HAIA A TO D CONVERTER BOARD FOR VFD	-	-	-	-	3.40
347	M8697160319-HLCB LCI CONTRL INTERFACE BOARD FOR VFD	-	-	-	-	0.04
348	M8697160328-HMPG MICRO PROCESSOR CPU BOARD FOR VFD	-	-	-	2.73	-
349	M8697160382-NLCB SIGNAL CONDITIONG CARD FOR VFD	-	-	-	-	0.04
350	M8697160391-NLIB FLUX CALCULATION BOARD FOR VFD	-	3.99	-	2.14	-
351	M8697160461-XTFH PULSE DISTRIBUTION BOARD FOR VFD	-	-	-	0.13	-
352	M8722821679-33KV CT 300/1A 30VA 5P20	-	-	-	-	0.10
353	M8723514705-400 KV CT 2000-1000-500/1 A MAKE :BHEL	-	-	-	18.64	-
354	M8725217125-P.T:3300/110V:100VA CL 1/3P	-	-	-	-	0.12
355	M8730332004-TRANSFORMER: 1KVA,415/110V	-	-	-	-	0.02
356	M8750414159-WINDING LIMB 1600KVA,11KV/433V CGL MAKE	-	-	-	-	3.49

357	M8751660052-HV BUSHING WITH METAL PARTS & GASKET	-	-	-	-	0.12
358	M8752211526-COOLR BANK +FAN CGL:1PH 200MVA,420/21KV	-	-	-	32.69	-
359	M8752213101-XYMR:CGL:45MVA,21/11.5KV:HV BUSHING+	-	0.50	-	-	-
360	M8752941801-HV BSHNG 3PH 1.25 MVA 11/0.433KV XMR	-	-	-	0.63	-
361	M9041100164-NUMERICAL FEEDER PROTECTION RELAY 1A	-	-	-	16.24	-
362	M9041155021-RELY NUM:1A:REF541:KB15AAAA+SPAZC400ER	-	-	2.66	-	-
363	M9041159014-RELY NUM:1A:REC670(ABB):YN1M301396-UB	8.11	-	-	-	-
364	M9041160159-RELY NUM:1A:RET670(ABB):YN1M301396-UK	5.74	-	-	-	-
365	M9041555047-RELY NUM:220VDC:REF541:REF541KM115BAAA	2.54	-	-	2.26	-
366	M9041559049-RELY NUM:220VDC:REC670(ABB)YN1M301396-UN	-	-	12.42	-	-
367	M9041559076-RELY NUM:220VDC:REC670(ABB)YN1M301396-UX	6.21	-	-	-	-
368	M9067105068-PRO-ALSTOM-SKE11BF8043BCH	-	0.25	-	-	-
369	M9216052364-360V,275AH BATTERY BANK	-	-	11.89	-	11.11
370	M9222010332N-NI-CD DRY CELLS,KPH 990P,990AH/220V	5.58	-	-	-	-
371	M9222261237-NI-CD BATT:265AH,1.2V:POCKET-P:DISCH-H	1.49	-	-	-	-
372	M9222516238-VENTD NI-CD BATT,TYPE-K,515AH,1.2V,PLT-P	2.01	-	-	-	-
373	M9244206028-STATIC SWITCH LOGIC PCB FOR UPS SYSTEM F	0.20	0.12	-	-	-
374	M9244206121-ANALOG INPUT MODULE: 4-20MA,MAKE:EMERSN	-	0.19	-	-	-
375	M9244206121-POWER SUPPLY BOARD PT:100201120018	-	0.05	-	-	-
376	M9253208064-BC:CHHABI:LED WI-MODULE	-	0.05	-	-	-
377	M9253208068-BC:CHHABI:PULSE CARD-PCB	0.19	-	-	-	-
378	M9253211101-BC:CHHABI:24V-825A:TRANSFORMER	1.45	-	-	-	-
379	M9253211107-RECTIFIER MODULE: R24-2200; CHHABI	0.15	-	1.55	8.35	0.52
380	M9253211108-BC:CHHABI:24V-	4.71	-	-	-	-
381	M9253241149-ANNUNCIATION MODULE - FOR BATT.CHARGER	0.45	-	-	-	-
382	M9253440008-RECTIFIER MODULE: FP2, MAKE: ELTEK	0.19	0.51	0.78	1.26	-
383	M9263226004-DRY CELL KPH150P NI-CD MAKE AMCO	-	-	0.30	-	-
384	M9402223242-AC VOLTMETER:0-40KV,CL:1.0, 96X96SQMM	-	-	-	-	0.01
385	M9406126015-ABT ENERGY METER WITH CT/PT-1A/110V,220V	-	-	-	-	6.55
386	M9412051006-KWH METER - 3PHASE,4WIRE, CLASS: 0.2	-	-	-	-	1.16
387	M9414156039-SEMRACK FOR VFD: LCI-SEMRACK-2-SPR; BHEL	-	-	-	-	5.60
388	M9414180004-CPU MODULE CARD	-	-	5.26	-	-
389	M9416031020-PR TRANSMITTER -1 TO 0 KGF/CM2	-	0.39	-	-	-
390	M9416051028-PR TRANSMITTER -1 TO 3 KGF/CM2	0.27	-	-	-	-
391	M9416081025-PR TRANSMITTER -1 TO 9 KGF/CM2	-	-	-	0.19	0.40
392	M9416224820-DP TRANSMITTER,0 TO 10 KG/CM SQ	-	-	-	0.05	-
393	M9416241023N-PR TRANSMITTER 0-16	-	-	-	0.62	-
394	M9416299086-TRANSMTR:ELECT:0-	-	-	-	-	0.26
395	M9416309028-FUJI PR TX 0-50KSC,REMOTE SEAL HFO/LFO	-	0.25	-	-	-
396	M9416384025N-PRESSURE TRANSMITTER,RANGE: 0-300KG/CM2	-	-	0.48	-	-
397	M9416474023-PR/DP TRANSMTR -100-	-	0.10	-	-	-
398	M9416488228-FURNACE DRAFT	0.21	-	-	-	-
399	M9416488228-PR.TRANSMTR:(-400)-(+400)MMWC,PIEZO,1/2"	-	0.10	-	-	-

400	M9416494021-PR/DP TRANSMITTER (-)200 TO (+)200 MMWCL	-	-	-	0.22	-
401	M9416534024-DP TX -3200 MMWC TO 3200 MMWC 1/2NPT(F)	-	-	0.28	-	-
402	M9416604723-DP TRANSMITTER,0 TO 275 MMWCL	0.28	-	-	-	-
403	M9416664620N-DP TRANSMITTER,0 TO 600 MMWCL	0.28	-	-	-	0.12
404	M9416701828-DP TRANSMITTER 0-1000	-	-	-	0.12	0.12
405	M9416704429-DIFFERENTIAL PRESSURE TRANSMITTER	0.23	-	-	-	-
406	M9416724427-DP TRANSMITTER 0-1600 MM	-	-	-	1.23	0.30
407	M9416794721-DIFF PR TRANSMR:0-2000 MMWCL O:4-20 MA	0.25	-	-	-	0.25
408	M9416809227-DP TX 0-150 IN WC,WITH TWO REMOTE SEALS	0.60	-	-	-	-
409	M9416829623-DP/FLOW TRANSMITTER, RANGE:0-15000 MMWCL	-	-	0.45	-	-
410	M9416834482-SMRT DP XTR 0-6000 MMW 1/4" NPT MP320BAR	-	-	0.40	-	-
411	M9416919029-PRE TRANS 0 TO 400 BAR. 4 TO 20 MA	0.36	-	0.14	-	-
412	M9417223024N-SMART PR.TRANSMITTER,RANGE:0-10KG/CM2,	2.10	-	-	-	-
413	M9417373026N-SMART PR.TRANSMITTER,RANGE:0-250KG/CM2	-	-	0.16	0.44	-
414	M9417503045-SMART DP TRANSMITTER: -500 TO +800 MMWC	-	2.79	-	-	-
415	M9418006059-PR TX FCX-A,FKCX33V2-AABYYAA 0-320 MBAR	-	-	0.38	-	-
416	M9418006170-PR TX FCX-A,FKCX11V2-AABYYAA 0-10MBAR	-	-	-	0.34	-
417	M9418566146-DIFFERENTIAL PRESSURE TRANSMITTER 0-1000	-	-	-	0.20	-
418	M9419486002N-POSITIONER - MODEL:PVR10-10; CCI/SULZER	-	-	6.33	-	-
419	M9420116007-OVER ALL EXPN.SENSOR TYPE: LVDT:LS-050TM	-	0.30	-	-	-
420	M9420156002-Deleted ADAPTOR FOR POS TX ON HPCV	0.40	-	-	-	-
421	M9420156003-Deleted 7PIN PLUG RECPTBLE CONNECTOR PO	0.50	-	-	-	-
422	M9420156004-Deleted 7 PIN PLUG FOR HPCV POS TX	0.50	-	-	-	-
423	M9420156005-Deleted ADAPTOR FOR POS TX ON IPCV	0.50	-	-	-	-
424	M9420156007-Deleted 7 PIN PLUG FOR IPCV POS TX	0.50	-	-	-	-
425	M9420156023-ECIL POS TX C74451-A1390-A10 RANG0-200MM	-	-	-	1.34	-
426	M9420226007-EXTN.CABLE: 330877 80 36 00; BENTLY	-	-	-	0.22	-
427	M9420316003-3300XL50MM PROXMTY PROB: 330876 03 10 01	-	-	-	0.61	-
428	M9420806014-RELATIVE VIBRN. DRIVER: VK-	-	-	-	-	0.50
429	M9420806015-RELATIV.DISPLACMNT SENSOR:VL202A08R-1012	-	0.20	1.00	-	1.50
430	M9420806016-DISPL SENSOR DIRECT MOUNT,VL202A08A-1012	-	0.30	0.23	-	0.50
431	M9428506038-CW VIBRATION SENSOR MODEL NO 9100V0	0.85	-	0.88	-	-
432	M9428506038-CW VIBRATION SENSOR MODEL NO 9100V0	-	-	-	1.09	-
433	M9435460542N-SMART ABSOLUTE PR.TRANSMITTER 0-760MMHG	0.55	-	-	-	-
434	M9438156031N-DEW POINT METER FOR INSTRUMENT AIR	-	0.34	-	-	-
435	M9438370031-OXYGEN ANALYSER ZR 22G-200-S-C-C-T-T-E	-	1.66	-	-	-
436	M9438378708-OXYGEN ANALYZER FOR FLUE GAS	-	-	-	5.17	-
437	M9438456367-CO,SO2,NOX ANALYZER: FMGCEM 40A0; FORBES	-	-	-	11.07	11.07
438	M9439096003-Deleted SIG PROCR INTERFACEPCB,CO-CODEL,	0.50	-	-	-	-

439	M9439096007-Deleted AIR PURGE UNITS FOR CO ANALYSER	1.20	-	-	-	-
440	M9442125201-TEMP.TRANSMITTER:0-600 DEG C, UNIV.I/P	-	0.30	-	-	0.66
441	M9443101277-RTD:DUPLEX RTDPT 100 L	-	-	0.12	-	-
442	M9446046010-CAPACITANCE TYPE LVL SWITCH 114SC-21420	0.60	-	-	0.90	-
443	M9446306008-COLLIN'S TX FOR TURB EHC LVDT D4802	-	0.35	-	0.57	-
444	M9446656039-POS TX SET OF TURB GS/LS CV;MAKE:REINEKE	1.39	-	-	-	-
445	M9456110907-FIRE WATER TANK LEVEL TRANSMITTER	-	-	-	-	0.05
446	M9456358013-LEVELTRANSMITTER FOR ASH SLURRY RF TYPE	-	-	-	0.24	-
447	M9456435169-HP/LPHLS 246781ZA-HPELECTRODE200KGMOBREY	1.30	-	-	-	-
448	M9463109121-FLAME SCANNER CARD PN CN9086067042(DISC)	22.16	-	-	-	5.26
449	M9463109122-FLAME SCANNER CARD PN CN9086067034(F/B)	17.78	-	-	-	4.22
450	M9463140045-FLAME SCANNER HD ASSLY FOR SAFE SCANNER	0.20	-	-	-	-
451	M9463200040-HEA IGNITOR EXCITOR	-	-	-	2.97	-
452	M9463206016-HEA IGNITOR WITH	-	-	-	3.93	2.14
453	M9463206041N-HEA RETRACTOR FOR HEA IGNITION SYSTEM	-	-	-	6.92	-
454	M9467236045-LOAD CELL AMPLIFIER CARD GRAV FDR-STOCK	-	-	1.60	-	-
455	M9467236047-ECC CARD GRAV FDR -STOCK	-	-	1.55	-	-
456	M9467236049-ECC FEEDBACK CARD GRAV FRD -STOCK	-	0.10	-	-	-
457	M9467236051-MPC CARD GRAV FDR , PNO 1D31771	-	-	1.36	-	-
458	M9467236052-KB+ALPHANUMERIC DISPLAY CARD GRAV FDR	-	-	0.32	-	-
459	M9467786002-LOAD CELL PNO AC19125-23 GRAV FDR	-	-	-	9.20	-
460	M9470206020-PNEU.ACTUATOR, MODEL: SC/V 320, CCI	-	6.50	-	-	-
461	M9470380063-SMART POSITIONER ALONG WITH POSITION	-	9.00	-	-	-
462	M9470486068-POS TX EPT002,ILP SUPPLY 24VDC,O/P4-20MA	-	-	-	0.18	0.13
463	M9470486094-ILP ACTR MODEL NO VA4R	-	-	-	-	1.31
464	M9470526001-KEYSTONE DOUBLE ACTG PNM ACT F79U012 AHP	-	-	-	-	0.62
465	M9470526002-KEYSTONE PNEUM ACTUATOR MODEL F79U 003	-	0.08	-	0.14	-
466	M9470526003-KEYSTONE PNEUM ACTUATOR MODEL F79U 006	-	0.08	-	-	-
467	M9470526004-KEYSTONE PNEUM ACTUATOR MODEL F79U 024	-	-	-	-	0.34
468	M9470546056-KELTRON SADC CYLINDER P.N A0404212110	-	-	-	-	0.08
469	M9470546057-KELTRON HAD CYLINDER P.N C1016342221	-	-	-	0.97	-
470	M9470606029-SD-12 ACTR ASSEMBLY	-	-	-	-	0.28
471	M9470606651-PNEU.ACTR ASSY.PT NO.:38-41238,4"-18"-8A	-	0.51	-	-	-
472	M9470626035-NUCON POWER CYL ZRM/960/225/G PR 2-10BAR	0.17	-	0.17	0.14	-
473	M9470626036-NUCON PNEUM POWER CYL ZRM/960/175/G MRS	-	-	0.16	-	-
474	M9470673002-ACTUATOR,PNEUMATIC,KEYSTONE F 79U 012	-	0.12	-	-	-
475	M9470856004-VELJAN FOG CYL. 12BORE STRK 720MM	-	0.67	-	-	-
476	M9475759027-Deleted TEMP GAUGE 0-100C 1/2NPTM SWAS	-	-	-	0.00	-
477	M9476151001N-DEGASED CATION CONDUCTVTY.METER: DCC1000	-	-	15.51	-	-
478	M9476176065N-CHLORIDE ANALYSER - COMPLETE	-	-	-	3.26	-
479	M9476256006-K1100 LUMINESCENT DO SENSOR WITH CONTRLR	-	-	4.04	-	-

480	M9476257058-DO2-9182 CPU BOARD	-	-	-	0.65	-
481	M9476456573-PH CPU BOARD	-	0.43	-	-	-
482	M9476486029-Deleted PHOS PHOTOMETER FLOW CELL 8MM	-	-	-	0.55	-
483	M9476486030-PHOS SBX-ADC BOARD	-	-	-	0.14	-
484	M9476486032-PHOS MOTHERBOARD W/O S/W 359095,00000	-	-	-	0.41	-
485	M9476550107N-ONLINE SILICA ANALYSERRANGE:0-5000PPB	-	0.50	-	-	2.72
486	M9476556591-SIL SBX ADC BOARD 359095	-	-	-	0.14	-
487	M9476556596-Deleted SIL FLOW CELL 40MM (PHOTOMETER)	-	-	-	1.16	-
488	M9476556597-SIL SBX-ADC BOARD	-	-	-	0.14	-
489	M9476556598-Deleted SIL POWER SUPPLY	-	-	-	0.21	-
490	M9476580012N-ON-LINE MULTI STREAM PHOSPHATE ANALYZER	-	-	-	12.14	-
491	M9476586033-Deleted SOD MEASURING CELL	-	-	-	0.21	-
492	M9476586034-SOD CPU BOARD	-	-	-	0.71	-
493	M9476616014-Deleted HOTWELL CONDY SENSOR CS40 K= 0.1	-	-	-	0.19	-
494	M9476616019-CONDY TX COMPLETE 09125=A=3000	-	0.80	-	-	-
495	M9476616024-COND/PH CPU BOARD 09125=A=1000	-	0.45	-	-	-
496	M9476616026-LCD DISPLAY UNIT FOR PH/CONDY OF DMP	-	-	-	0.31	-
497	M9476616028-CONDUCTIVITY TX ROSEMOUNT 1054BLC-01 H2P	-	-	2.25	-	-
498	M9476616132-CONDUCTIVITY ANALYZER: 0.5TO10000 MS/CM	-	0.50	-	-	-
499	M9479066009-COMPLETE OPACITY MONITOR	-	-	-	-	4.69
500	M9481056049N-COMPLETE ACT ASMBLY,AUMA,SAR6E16	2.00	-	-	-	-
501	M9481056131-AUMA POS TX IWG1002 2WIRE 4-20 MA 24VDC	0.25	-	-	-	-
502	M9481056227-ELEC.ACTUATOR,MODEL:SA12 E22,SPEED:22RPM	-	-	-	-	1.11
503	M9481059999-AUMA(I) ACTUATOR WITH EPAC,MODEL: SA60	-	1.34	-	-	-
504	M9481306122-ROTORK K300F14A,72 RPM,WD 9305+CL1	-	-	0.82	-	-
505	M9481306129-ROTORK K60F10E,48RPM,WD-	-	-	0.12	-	-
506	M9481306768-ACTUATOR,TYPE:K30F10E,48 RPM,WD1689Z00CP	-	-	0.12	-	-
507	M9481406005-AUMA(GERMAN)SA14.1-F14-B4-8	-	-	-	-	2.97
508	M9481416006-AUMA(I) SA60A90 ,WD NO-KSA 9.84R	0.91	-	-	-	-
509	M9481416016-SA50E90 RPM 90, FR AM90 KW -4,RPM 2800	0.35	-	-	-	-
510	M9481416026-GEAR BOX SA50E125+GS200(RATIO 53:1)	-	-	0.68	-	-
511	M9482036002-ELECL ACTR.WITH SYNCHROPAK:K300G1/G2	-	2.46	-	-	-
512	M9482039999-ROTORK ACTR.WITH SYNCHROPAK,TYPE: K30GOA	-	1.04	-	-	-
513	M9490502645-DIFFERENT PRESSURE TRANSMITER(SMART)	-	-	-	0.23	-
514	M9494086001-Deleted 12 CHANNEL K TYPE CJCB 24 V DC	0.05	-	-	0.43	0.50
515	M9494086001-Deleted 12 CHANNEL K TYPE CJCB 24 V DC	-	-	-	-	0.40
516	M9494086006-24 CHANNEL K TYPE RJCB 24O V AC	-	-	0.55	-	-
517	M9494086008-12 CHANNEL K TYPE RJCB 24O V AC	-	-	-	-	0.15
518	M9494309991-ERV SOLENOID ASSY 230 V DC	-	-	0.19	-	-
519	M9494356040-HPH/LPH LVL SWITCHES ELECTRONIC UNIT	1.52	-	0.97	-	-
520	M9494500272-POWER SUPPLY FOR TURBINE DRIVERS.	-	0.20	-	-	-
521	M9502246002N-ANALOG INPUT MODULE: 4-20MA,MAKE:EMERSN	0.12	-	3.66	1.80	-
522	M9502246003N-ANALOG INPUT MODULE,I/P: MA,MAKE:EMERSON	0.02	-	-	-	-
523	M9502246005-ANALOG INPUT(4-20MA) MODULE: 5X00070G01	0.12	4.00	0.97	6.80	-

524	M9502246006-ANALOG INPUT MODULE: 5X00106G01	0.02	-	-	-	-
525	M9502480027-MAX-DNA ANALOG I/P MODULE: ED69230I301A;	-	-	-	-	1.22
526	M9502594015-ANALOG I/P (X4) 70EA01 A=E/R1	-	-	0.90	-	0.49
527	M9502594015-ANALOG I/P (X4) 70EA01 A=E/R1	-	-	-	0.40	-
528	M9502594024-ANALOG I/P RESISTANCES 70EA03 A-E/R1	3.30	-	3.76	-	-
529	M9502594042-ANALOG I/P FOR 2 WIRE TX 70EA02 A-E/R1	-	-	5.23	11.09	6.29
530	M9504594011-ANALOG O/P FOR VOLT (X4) 70AA01 A-E/R1	-	-	3.60	-	-
531	M9504594020-ANALOG O/P FOR CURRENT 70AA02 A/R1	-	-	0.60	-	-
532	M9510594027-IPB BUS COUPLER 70FK01 B/R1	-	-	-	-	1.00
533	M9515670615N-SCHIENDER RIO DROP S908 2CH(140CRA93200)	1.35	-	-	-	-
534	M9516246007-FFB MODULE: 5X00301G01	-	0.05	-	-	-
535	M9516676009-FO FOR HOT STANDBY LINK,MODEL:490NOR	-	-	0.06	-	-
536	M9520246003-120V AC/DC DIGITAL INPUT MDL:1C31232G01	0.11	-	-	-	-
537	M9523246001N-DIGITAL O/P MODULE: 5X00270G01; EMERSON	-	0.20	-	-	-
538	M9523246001N-DIGITAL OUTPUT MODULE,PT.NO.5X00270G01	0.11	-	-	-	-
539	M9523246002-DIGITAL OUTPUT MODULE: 5X00273G01	0.08	1.95	-	-	-
540	M9523276009-8CH 2A RELAY O/P MODULE: IC670MDL930J;GE	-	-	-	-	0.55
541	M9523746004N-DI OP MOD 6ES7-322-1BL-00-OAAO	-	-	-	0.39	-
542	M9526594015-DRIVE CONTROL MODULE 20/40MS 70AS04	-	-	6.13	-	-
543	M9526594024-DRIVE CONTROL MODULE ACTUATORS 70AS06	-	-	-	-	4.38
544	M9526676002-I/O DRIVER CARD(932 SERIES)TY-CRP93200	0.83	-	-	-	-
545	M9531676002-EHERNET MODULE SCHNEIDER 140NOE77101	-	-	0.72	-	-
546	M9551006002-LVS COMPLETE WITH PROJECTOR,,LAMP & ACCS	-	-	1.00	-	-
547	M9551146056-PROJECTOR FOR LVS STG2 BARCO	1.25	-	-	-	-
548	M9551146060N-LVS-67",COMPLETE WITH PROJECTOR,LAMP ETC	-	-	-	5.12	22.16
549	M9557246005-ANALOG I/P FOR 2 WIRE TX 70EA02 A-E/R1	-	-	-	-	0.01
550	M9557246005-OCR-400 I/O INTERFACE MODULE:5X00226G01	8.00	0.00	-	-	-
551	M9557246006-OCR-400 ELECTRONIC MODULE: 5X00241G01	8.00	0.01	-	-	0.01
552	M9557596019-CB1AA MCB MODULE ED69205CB1AA	1.60	-	-	-	-
553	M9565594045-SUPERVISION MODULE FOR +VE VOLTAGE XT377	7.18	-	-	-	-
554	M9565606001-24VDC SMPS FO UNLOAD PLC PHOENIX:QUINT10	0.14	-	-	-	-
555	M9565606002-24 DC/5A REG PWR SPLY PHOENIX MDL:QUINT5	0.08	-	-	-	-
556	M9565676003-PS 115/230 SUMM,P NO. 140CPS11410PLC AHP	-	-	0.49	-	-
557	M9567246002-PROCESSOR MODULE-OCR 400,P/N:5X00247G03	-	21.57	-	-	-
558	M9567596002-70PR05 PROCESSOR MODULE	-	18.86	6.79	-	4.42
559	M9570596021-70SK36B E/R1 EPROM PROGRAMMING MODULE	-	-	1.48	-	-
560	M9575246004-SOE CONTACT I/P MODULE: 1C31233G01	0.03	-	-	-	-
561	M9577206012-SERVER: POWER EDGE 2950, MAKE: DELL	-	1.78	-	-	-
562	M9583556001-70EI05 A-E SPEED I/P MDL	-	4.52	-	-	-
563	M9589596002-70EA04 ANALOG I/P MODULE FOR T/C	-	-	-	16.05	-
564	M9591676002-TIMER/COUNTER MODULE:QUANTUM140 EHC20200	1.47	-	-	-	-

565	M9598006005-WORK STN: INTEL XEON QUAD CORE, E5-1620	-	-	-	-	11.50
566	M9598356030-WSPOSE WORKSTATION WITH MONITOR&PRINTER	3.20	-	1.06	-	-
567	M9598626011-HMI ENGG/OPR.WORKSTATION/RSLOGIX-500	-	-	-	-	5.73
568	M9598876002-COMPLETE HMI SYSTEM: WSPOSE, BHEL	-	-	-	-	108.23
		801.26	978.64	869.61	736.81	1,527.74
(D)	Details of capital spares closing at the end of the	25,327.33	27,140.22	30,181.46	35,038.78	41,119.84

Annexure-XIX

Name of Utility:	**NTPC Ltd.**
Name of Generating Station:	**Simhadri Super Thermal Power Station Stage-I (1000 MW)**
Station Configuration:	**2 X 500 = 1000 MW**
Capacity (MW):	**1000 MW**
COD:	**01.01.2003**

S.N	Particulars	Unit	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
1	Plant Availability Factor (PAF)	%	93.23	93.72	94.33	90.76	98.85	97.25	97.28	93.79	87.74	89.06	93.73	94.05	94.69	81.97	88.68	89.40	93.57	89.93
2	Plant Load Factors (PLF)	%	92.72	88.38	92.10	88.57	97.41	97.27	96.08	92.94	87.97	86.29	88.25	82.03	82.33	65.78	73.05	58.76	44.93	66.35
2a	Loading Factor^	%														73.76	77.51	67.38	69.71	76.00
3	Scheduled Energy	MU	7,663.71	7,303.98	7,562.95	7,285.31	8,009.35	7,973.54	7,668.79	7,523.37	7,171.66	7,176.56	7,330.18	6,875.64	6,905.15	5,504.82	6,081.19	4,303.20	3,689.60	5,493.70
4	Scheduled Generation (ex-bus)	MU	7,663.71	7,303.98	7,562.95	7,285.31	8,009.35	7,973.54	7,668.79	7,523.37	7,171.66	7,176.56	7,330.18	6,875.64	6,905.15	5,504.82	6,081.19	4,303.20	3,689.60	5,493.70
5	Gross Generation	MU														5,762.32	6,399.47	5,161.91	3,936.19	5,812.34
	Actual Generation (ex-bus)	MU	7,663.71	7,303.98	7,622.46	7,324.21	8,080.30	8,050.84	7,947.95	7,684.47	7,231.96	7,090.60	7,276.48	6,783.59	6,806.47	5,410.92	6,013.34	4,824.81	3,858.96	5,460.10
	Actual energy supplied to beneficiaries (Long Term, Medium Term and Short Term)	MU	7,663.71	7,303.98	7,622.46	7,324.21	8,080.30	8,050.84	7,947.95	7,684.47	7,231.96	7,090.60	7,276.48	6,783.59	6,806.47	5,436.96	5,990.97	5,530.09	4,265.60	6,264.93
6	Quantum of coal consumption	MT	55,30,376.00	50,67,342.00	54,99,715.00	58,29,582.00	61,34,424.00	59,73,140.00	60,03,503.00	59,72,915.00	55,63,256.00	51,56,953.00	50,72,415.00	50,86,427.00	48,35,188.00	42,39,007.00	45,39,915.00	36,80,272.00	29,50,396.00	45,23,913.00
7	Value of coal	Rs. Lakh	59,411.00	65,058.00	65,927.00	70,587.00	88,025.00	1,14,006.00	1,22,036.00	1,68,245.00	1,43,518.00	1,65,664.00	1,83,482.00	1,70,583.00	1,88,063.00	3,18,384.82	3,76,882.23	3,62,662.88	2,17,417.18	3,23,538.44
8	Specific Coal Consumption	kg/kWh	0.68	0.65	0.68	0.75	0.72	0.70	0.71	0.73	0.72	0.68	0.66	0.71	0.67	0.74	0.71	0.71	0.75	0.78
9	Gross Calorific Value of Coal	(Kcal/ Kg)	3,487.00	3,604.89	3,452.00	3,142.74	3,269.00	3,348.00	3,291.00	3,217.32	3,262.00	3,453.62	3,578.00	3,379.07	3,573.56	3,294.24	3,436.18	3,422.04	3,242.34	3,126.22
10	Heat Contribution of Coal	(Kcal/ kWh)	2,374.15	2,359.59	2,353.08	2,354.97	2,350.08	2,347.00	2,347.39	2,353.85	2,355.16	2,356.21	2,347.71	2,385.40	2,395.84	2,423.38	2,437.70	2,439.80	2,430.31	2,433.22
11	Cost Of Specific Coal Consumption – Finally admitted by CERC (Ex-Bus)	(Rs./kWh)																		
12	Quantum of Oil Consumption	(KL)	17,55,500.00	14,83,910.00	15,07,160.00	20,79,720.00	8,53,930.00	19,00,410.00	7,50,040.00	8,32,280.00	18,46,790.00	20,46,341.00	15,80,390.00	11,21,490.00	19,31,410.00	2,211.25	985.11	2,904.29	2,421.32	2,921.14
13	Value of Oil	(Rs. lakh)														1,142.51	1,888.88	2,546.62	1,642.85	3,965.35
14	Gross calorific value of oil	(kcal/lit)	9,745.00	9,705.00	9,706.00	9,762.80	9,798.00	9,788.18	9,784.00	9,783.63	9,676.00	9,730.00	9,648.64	9,686.10	9,694.90	9,710.32	9,668.38	9,667.17	9,519.14	9,034.67
15	Specific Oil Consumption	(ml/kWh)	0.22	0.19	0.19	0.27	0.10	0.22	0.09	0.10	0.24	0.27	0.20	0.16	0.27	0.38	0.15	0.56	0.62	0.50
16	Cost Of Specific Oil Consumption – Finally admitted by CERC	(Rs./kWh)																		
17	Heat Contribution of Oil	(Kcal/ kWh)	2.11	1.86	1.84	2.61	0.98	2.18	0.87	1.00	2.32	2.63	1.97	1.51	2.60	3.73	1.49	5.44	5.86	4.54
18	Station Heat Rate	(Kcal/ kWh)	2,376.25	2,361.45	2,354.92	2,357.58	2,351.06	2,349.18	2,348.26	2,354.85	2,357.48	2,358.84	2,349.68	2,386.91	2,398.44	2,427.11	2,439.19	2,445.24	2,436.17	2,438.84
19	Auxiliary Energy Consumption	(%)	5.65	5.65	5.56	5.85	5.27	5.46	5.44	5.65	5.96	5.85	5.46	5.53	5.42	5.98	5.93	6.40	6.87	5.95
20	Debt at the end of the year	(Rs. Crore)	2,320.47	2,212.86	2,198.22	2,164.79	2,149.05	1,945.62	1,773.54	1,619.77	1,455.30	1,299.70	1,140.49	1,037.36	948.36	872.56	759.52	660.90	600.21	529.41
21	Equity - Average	(Rs. Crore)	1,039.78	1,045.75	1,048.15	1,048.30	1,051.40	1,038.38	1,037.56	1,041.66	1,048.41	1,055.36	1,063.72	1,068.34	1,072.87	1,083.76	1,091.66	1,095.51	1,106.49	1,122.26
22	Working Capital – finally admitted by CERC	(Rs. Crore)	287.66	290.67	293.85	297.70	301.23	537.78	539.66	543.33	545.74	550.57	786.00	780.21	783.28	804.27	811.17	671.99	676.53	679.17
23	Capital cost – finally admitted by CERC	(Rs. Crore)	3,465.94	3,485.85	3,493.85	3,494.33	3,504.68	3,461.27	3,458.55	3,472.21	3,494.71	3,517.89	3,545.74	3,561.12	3,576.22	3,612.54	3,638.88	3,651.71	3,688.30	3,740.87
24	Capacity Charges/ Annual Fixed Cost (AFC)		458.92	461.21	472.20	467.66	472.20	696.04	694.73	696.98	703.69	717.72	702.12	640.61	648.98	665.80	685.85	669.23	679.22	690.17
	(a) Return on equity – post tax (admitted by CERC upto 2009) and Pre Tax post 2009																			
	Absolute value	(Rs. Crore)	145.56	146.40	146.74	146.76	147.16	243.82	240.81	238.99	240.54	247.81	208.60	210.52	211.41	213.56	215.69	205.69	207.67	210.62
	Rate	(%)	14.00	14.00	14.00	14.00	14.00	23.48	23.21	22.94	22.94	23.48	19.61	19.71	19.71	19.71	19.76	18.78	18.78	18.78
	(b) Interest on Loan																			
	Absolute value	(Rs. Crore)	74.87	71.65	77.82	68.84	67.94	64.02	58.51	53.31	48.28	43.23	38.44	34.45	31.42	28.81	25.83	22.48	19.96	17.88
	Rate – Weighted Average Rate	(%)	3.16	3.16	3.16	3.15	3.15	3.15	3.15	3.14	3.14	3.14	3.15	3.16	3.16	3.16	3.16	3.17	3.17	3.17
	(c) Depreciation (finally allowed by CERC)																			
	Absolute value	(Rs. Crore)	115.39	116.06	116.32	116.34	116.68	173.90	173.48	174.35	176.00	176.91	178.39	107.04	108.15	111.29	113.94	114.34	118.79	129.10
	AAD		-	-	-	-	-													
	Rate	(%)	3.33	3.33	3.33	3.33	3.33	5.02	5.02	5.02	5.04	5.03	5.03				Spread Over			
	(d) Interest on working Capital																			
	Absolute value	(Rs. Crore)	29.48	29.79	30.12	30.51	30.87	65.87	66.10	66.55	66.85	67.44	106.11	105.33	105.74	108.58	109.51	80.97	76.11	71.31
	Rate	(%)	10.25	10.25	10.25	10.25	10.25	12.25	12.25	12.25	12.25	12.25	13.50	13.50	13.50	13.50	13.50	12.05	11.25	10.50
	(e) Operation and maintenance cost (finally admitted by CERC)																			
	Absolute value	(Rs. Crore)	93.60	97.30	101.20	105.20	109.50	130.00	137.40	145.30	153.60	162.40	168.58	181.27	190.26	201.57	215.89	245.73	256.66	261.22
	Rate	(%)																		
	(f) Compensation Allowances												2.00	2.00	2.00	2.00	5.00			
	(g) Special Allowance																			
	h) Supplementary Tariff - Emission Control		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Absolute value	(Rs. Crore)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Rate	(%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	i) Ash Utilisation Expenses	(Rs. Crore)															25.41	*152.91*	*74.91*	*94.50*
25	AFC	(Rs./ kWh)	0.71	0.71	0.72	0.72	0.73	0.99	0.99	1.00	1.01	1.03	1.00	0.91	0.92	0.94	0.97	0.95	0.97	0.98
26	Energy Charge	(Rs./kWh)	0.85	0.99	0.97	1.07	1.33	1.47	1.61	2.22	2.05	2.38	2.58	2.48	2.75	2.91	2.97	3.44	2.96	2.95
26.1	Supplemental Energy Charges - Emission Control	(Rs./kWh)													-					
27	Total tariff	(Rs. kWh)	1.56	1.70	1.69	1.79	2.06	2.46	2.60	3.22	3.06	3.41	3.58	3.39	3.67	3.86	3.94	4.40	3.93	3.93
28	Revenue realisation before tax	(Rs. Crore)																		
29	Revenue realisation after tax	(Rs. Crore)																		
30	Profit/ loss	(Rs. Crore)	100.24	318.30	277.44	171.91	324.51	429.77	102.87	514.67	599.13	847.59	630.09	741.50	690.29	897.46	772.66	821.64	772.06	957.03
31	DSM Generation	(MU)	-	-	59.51	38.90	70.95	77.30	279.16	161.10	60.30	(85.96)	(53.70)	(92.05)	(98.68)	(93.90)	(67.84)	521.61	(30.64)	(33.60)
32	DSM Rate	(Rs/kWh)																		
33	Revenue from DSM	(Rs. Crore)	N.A.				(17.08)	(26.84)	(28.81)	(70.40)	(49.20)	(24.49)	(0.19)	1.35	10.00	13.69	15.90	13.15	10.75	3.35	10.29
34	Compensation received for operation below NAPAF		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	45.53	52.83	46.24	42.20
35	Part load Compensation received from beneficiriaes		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	45.53	27.97	29.29	-
36	Amount received from SCED	(Rs Crore)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	13.55	4.36	3.16

Note: ^ Additional data related Loading factor (%) submitted
** GCV of coal as received minus 85 kCal/Kg
DSM Revenue (-)Received / (+) Paid

Annexure-XXII

DETAILS OF EMISSION CONTROL SYSTEM

Generating company: NTPC Ltd
Name of Generating station: Simhadri Super Thermal Power Station Stage-I
Installed Capacity (MW) : 1000 MW

Type of Emission Control System:

S.No.	Particulars	Units	2017-18	2018-19	2019-20	2020-21	2021-22
A							
1.00	Gross Generation	MU	NA	NA	NA	NA	NA
2.00	Auxiliary Consumption - emission control (Actual)	MU	NA	NA	NA	NA	NA
	Auxiliary Consumption - emission control (Actual)	%	NA	NA	NA	NA	NA
3.00	Auxiliary Consumption (Normative)	%	NA	NA	NA	NA	NA
4.00	Hours of Operation	Hrs	NA	NA	NA	NA	NA
5.00	O&M Expenses (Actual) with Breakup as per format	Rs. Crore	NA	NA	NA	NA	NA
6.00	Other maintenace spares consumed^	Rs. Crore	NA	NA	NA	NA	NA
7.00	Initial Spares consumed*	Rs. Crore	NA	NA	NA	NA	NA

S.No.	Particulars	Units	Investment Approval	
1	Capital Cost of Emission Control System			For the Station(2000 MW)
1.1	Hard Cost	Rs. Crore	1029.8654	
1.1.1	Civil Works	Rs. Crore	Incl. Above	
1.1.2	Plant and Machinery and others	Rs. Crore	Incl. Above	
1.1.3	Initial Spares procured	Rs. Crore	Incl. Above	
1.2	IDC	Rs. Crore	69.6993	
1.3	IEDC	Rs. Crore	30.896	
1.4	Others. Pls specify	Rs. Crore		
1.4	Completed Cost	Rs. Crore		

Annexure–I

Pro-forma for furnishing Actual annual performance/operational data for the coal/lignite based thermal generating stations for the 5-year period from 2017-18 to 2021-22

S.N	Particulars		Units	2017-18	2018-19	2019-20	2020-21	2021-22	
1	Name of Company			NTPC Ltd.					
2	Name of Station/ Pit head or Non- Pit head			**Simhadri Super Thermal Power Station Stage-II (non-pit-head)**					
	Stage			**I**					
3	Installed Capacity and Configuration		MW	2 x 500 = 1000 MW					
3.1	Date of Commercial Operation - Unit Wise			U3- 16-09-2011, U4- 30-09-2012					
3.2	Effective COD			30.09.2012					
	Make of Turbine			**BHEL**					
4	Rated Steam Parameters (Also state the type of Steam turbine and Boiler)			Steam Pr: 170 ata, MS/HRH Temp: 537/565 deg C BHEL make KWU design Steam Turbine, BHEL make CE design Boiler					
5	Type of BFP			Steam Driven + Electric Driven					
	Quantity		Nos.	2 nos. Steam Driven + 1 no. Electric Driven					
6	Circulating water system			Closed Circuit Cooling					
7	Any other Site specific feature								
	Design Unit heat rate		Kcal/Kwh	2278					
	Design Boiler efficiency		%	84.85					
	Design Turbine cycle heat rate		Kcal/Kwh	1932.5					
8	**Fuels :**								For the Station (2000 MW)
8.1	**Primary Fuel :**			Coal/Lignite					
8.1.1	Annual Allocation under FSA		MT					98,20,000.00	
	Annual Consumption		MT	44,14,471.00	42,44,401.00	38,19,211.00	34,97,535.40	44,20,825.80	
	Annual Requirment at NAPAF		MT	54,05,591.37	51,64,337.40	51,08,255.67	53,66,576.68	56,13,100.91	
8.1.2	Sources of supply/ procurement along with contracted quantity and grade of coal		LMT	Stage 1 - MCL - 37.00 LMT - Grade E/F(G8-G13), ECL - 15LMT, G13 and above; Stage 2 - MCL - 46.2 LMT - Grade E/F(G8-G13)					
8.1.2.1	FSA	LoA	MT	98,20,000.00	98,20,000.00	98,20,000.00	98,20,000.00	98,20,000.00	
		MoU	MT					80,00,000.00	
8.1.2.2	Imported*		MT	-	2,00,000.00	2,00,000.00	3,00,000.00	-	
8.1.2.	Spot Market/e-auction*		MT	-	-	-	-	-	
8.1.3	Transportation Distance of the station from the sources of supply		KM	600 kms - MCL - Talcher, 610 kms - MCL - IB Valley, 1015 kms - ECL, 600 kms - SCCL					
8.1.4	Mode of Transport			Rail					
8.1.5	Maximum Station capability to stock primary fuel (for days consider availability as NAPAF)		Days & MT	28/ 8,00,000					
8.1.6	Maximum stock maintained for primary fuel		MT	4,08,902.00	4,50,957.00	7,40,948.00	10,67,862.00	6,76,574.00	
	Date			01-04-2017	01-03-2019	01-03-2020	01-04-2020	01-06-2021	
8.1.7	Minimum Stock maintained for primary fuel		MT	34,858.00	73,573.00	16,736.00	2,70,896.00	5,266.00	
	Date			01-12-2017	01-09-2018	01-09-2019	01-03-2021	01-09-2021	
8.1.8	Average stock maintained for primary fuel		MT	1,69,689.00	1,94,274.00	4,24,637.00	6,06,543.00	3,25,163.00	
8.2	**Secondary Fuel :**								
8.2.1	Annual Allocation/ Requirement		KL	3,723.00	3,723.00	3,733.20	3,723.00	3,723.00	
8.2.2	Sources of supply			HPCL					
8.2.3	Transportation Distance of the station from the sources of supply		KM	25.00	25.00	25.00	25.00	25.00	
8.2.4	Mode of Transport			By road					
8.2.5	Maximum Station capability to stock secondary fuels		KL	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00	
8.2.6	Maximum Stock of secondary oil actually maintained		KL	1,878.70	2,115.39	2,046.27	1,845.38	2,621.34	
8.2.7	Minimum Stock of secondary oil actually maintained		KL	1,298.63	1,431.17	785.62	932.12	1,338.78	

For the Station (2000 MW)

8.2.8	Average Stock of secondary oil actually maintained		KL	1,575.16	1,775.17	1,422.53	1,470.41	2,023.09
9.1	Cost of Spares capitalized in the books of accounts		(Rs. Lakh)	3,387.46	2,791.53	3,910.85	5,594.13	7,608.80
9.2	Cost of spares included in capital cost for the purpose of tariff		(Rs. Lakh)	2,840.61				
9.3	Initial spares-list, quantity and cost		(Rs. Lakh)					
9.4	Maintenance spares - cost		(Rs. Lakh)	5,026.92	6,483.14	6,713.38	6,216.46	8,224.35
9.5	Other spares procured with high lead procurement time		(Rs. Lakh)					
10	**Generation :**							
10.1	-Actual Gross Generation at generator terminals		MU	6,011.38	6,049.60	5,487.81	4,743.69	5,757.17
10.2	-Actual Net Generation Ex-bus		MU	5,644.46	5,683.26	5,124.49	4,430.12	5,407.55
10.3	-Scheduled Generation Ex-bus		MU	5,737.47	5,731.40	5,136.00	4,456.00	5,477.00
11	Average Declared Capacity (DC)		MW	818.78	806.39	857.14	903.67	827.68
	DC Peak HD %		%	-	-	-	98.57	85.02
	DC Off Peak HD %		%	-	-	-	98.30	85.08
	DC Peak LD %		%	-	-	-	95.16	88.97
	DC Off Peak LD %		%	-	-	-	95.07	88.65
	Actual Declared Capacity		MU	7,172.52	7,064.02	7,529.16	7,916.13	7,250.51
	Deemed Declared Capacity		MU	7,172.52	7,064.02	7,529.16	7,916.13	7,250.51
12	Actual Auxiliary Energy Consumption excluding colony		MU	359.94	359.66	356.41	306.84	343.53
13	Actual Energy supplied to Colony from the station		MU	6.98	6.68	6.90	6.74	6.09
	Actual energy supplied to construction activities		MU	-	-	-	-	-
	Actual energy supplied to long term and medium term beneficiaries		MU	5,633.56	5,602.78	5,457.42	4,752.16	5,382.48
	Actual energy supplied in short term							
	Energy supplied under bilateral arrangements							
	Energy supplied through exchanges		MU	48.95	62.77	14.13	14.91	112.79
	Energy supplied under DSM		MU	(79.50)	(38.55)	277.83	(20.52)	(34.49)
	Energy supplied SCED		MU	-	-	(169.52)	(276.24)	(3.17)
14	**Primary Fuel :**							
14.1	Consumption **:**		MT	44,14,471.00	42,44,401.00	38,19,211.00	34,97,535.36	44,20,825.82
14.1.1	Domestic coal	From Linked Mines	MT	44,14,471.00	42,08,744.00	36,30,001.00	34,08,742.26	44,20,825.82
		From Non-Linkd Mines	MT					
		From Integerated Mines	MT					
14.1.2	Imported coal		MT	-	35,657.00	1,89,210.00	88,793.10	-
14.1.3	Spot market/e-auction coal		MT	-	-	-	-	-
14.2	**Gross Calorific Value (GCV) :**							
14.2.1	**Domestic Coal (for each type)**	**(As Billed) - EM Basis as per third party**	kCal/kg	3,874.62	4,087.39	4,197.31	3,663.02	3,756.67
		(As Received) - TM Basis as per third party	kCal/kg	3,304.30	3,494.74	3,408.61	3,268.73	3,210.09
14.2.2	**Imported Coal**	**(As Billed) - ADB Basis**	kCal/kg	-	4,886.02	4,942.60	5,154.22	4,858.00
		(As Received) - ADB Basis	kCal/kg	-	4,907.57	4,942.60	5,154.22	4,608.00
14.2.3	**Spot market/e- auction coal**	**(As Billed)**	kCal/kg	-	3,833.50	-		
		(As Received)	kCal/kg	-	3,358.51	-		
14.2.4	Weighted Average Gross Calorific value (Domestic+Imported+Spot/e-auction) **(As Billed)**		kCal/kg	3,874.62	4,097.91	4,226.40	3,698.63	3,757.10
14.2.5	Weighted Average Gross Calorific value (Domestic+Imported+Spot/e-auction) **(As Received)**		kCal/kg	3,304.30	3,445.90	3,503.10	3,324.77	3,219.39
	Ash content in coal (%)							
14.3	**Price of coal :**							
	Billed Cost (including adjustments)							
	Amount Charged by transporting agency upto delivery point							
14.3.1	Weighted Average Landed price of Domestic coal		(Rs/MT)	3,787.00	4,101.10	4,539.24	3,624.85	3,618.16

For the

	Components of landed cost and break up	Amount charged by Coal company	(Rs/MT)	2,290.72	2,497.72	2,783.82	1,993.87	1,994.86	For the Station (2000 MW)
		Transport charges	(Rs/MT)	1,477.00	1,578.90	1,743.30	1,600.50	1,631.29	
		Other charges	(Rs/MT)	19.28	24.49	12.12	30.47	(8.00)	
14.3.2	Weighted Average Landed Price of Imported coal		(Rs/MT)	-	5,819.52	5,698.15	5,507.60	14,675.76	
	Components of landed cost and break up								
14.3.3	Weighted Average Landed Price of Spot market / e-auction coal		(Rs/MT)	-	5,865.88	-	-	-	
	Components of landed cost and break up								
14.3.4	Weighted Average Landed Price of all the Coals		(Rs/MT)	3,787.00	4,142.58	4,584.47	3,669.81	3,622.38	
14.4	Blending :		% and MT (of the total coal consumed)						
	Blending ratio of imported coal with domestic coal		Equivalent to domestic coal						
14.4.2	Proportion of e-auction coal in the blending		% & MT						
	Coal stockyard capacity		MT					8,00,000.00	
14.5	Actual daily Average Coal stock maintained		MT	1,69,689.00	1,94,274.00	4,24,637.00	6,06,543.00	3,25,163.00	
			Days	5.94	6.80	14.87	21.24	11.39	
14.5	**Actual Transit & Handling Losses for coal/Lignite**								
14.5.1	**Pit- Head Station**			-	-	-	-	-	
14.5.1.1	Transit loss from linked mines		%	-	-	-	-	-	
14.5.1.2	Transit loss from non-linked mines including e-auction coal mines.		%	-	-	-	-	-	
14.5.1.3	Transit loss of imported coal		%	-	-	-	-	-	
14.5.2	**Non-Pit Head station**								
14.5.2.1	Transit loss from linked mines		%	0.80	1.77	0.80	0.80	0.78	
14.5.2.2	Transit loss from non-linked mines including e-auction coal mines.		%	-	-	-	-	-	
14.5.2.3	Transit loss of imported coal		%	-	-	-	-	-	
15	**Secondary Fuel Oil :**								
15.1	Consumption	HFO	KL	1,384.83	2,553.41	1,643.32	1,246.46	313.99	
		HSD/LDO	KL	820.75	883.47	1,013.12	664.04	2,371.25	
15.2	Weighted Average Gross Calorific value **(As received)**	HFO	(kCal / Lit.)	9,859.25	9,897.73	9,839.34	9,786.86	9,717.38	
		HSD/LDO	(kCal / Lit.)	9,228.69	9,249.55	9,245.40	9,252.48	9,066.84	
15.3	Weighted Average Price	HFO	(Rs / KL)	29,280.16	42,721.54	39,034.06	34,999.84	-	
		HSD/LDO	(Rs / KL)	42,950.66	52,518.87	50,310.47	42,651.80	61,313.69	
15.4	Actual Average stock maintained	HFO	KL						
		HSD/LDO	KL						
16	**Weighted average duration of outages(unit-wise details)**:								
16.1	Planned Outages		(Days)	14.63	51.26	19.28	11.80	42.63	
16.2	Forced Outages		(Days)	13.11	4.65	8.41	6.47	6.56	
	Within control of generator								
	beyond control of generator								
16.3	Number of tripping		Nos.						
16.4	Number of start-ups**:**		Nos.	14.00	14.00	12.00	9.00	11.00	
16.4.1	Cold Start-up		Nos.	3.00	2.00	3.00	6.00	2.00	
16.4.2	Warm Start-up		Nos.	6.00	6.00	5.00	2.00	6.00	
16.4.3	Hot start-up		Nos.	5.00	6.00	4.00	1.00	3.00	
17	NOx , SOx ,and other particulate matter emission in **:** at conditions specified by MoEF&CC								
17.1	Design value of emission control equipment (specify conditions)		mg/Nm^3						

	FGD installation date								
	NOX Control system installation date								
17.2	Actual emission (Stage-I)	SPM	mg/Nm^3	Attached as Annexure with Simhadri I					
		NOX	mg/Nm^3						
		SOX	mg/Nm^3						
	Actual emission (Stage-II)	SPM	mg/Nm^3	Attached as Annexure - A (Emission Data)					
		NOX	mg/Nm^3						
		SOX	mg/Nm^3						
	Ash dyke capacity as on 31st March		LCM						
	Ash pond capacity as on 31st March								
	Fund available in Ash Fund Account as on 31st March			Attached as Annexure - B (Ash Fund Details)					
	Amount utilized from Ash Fund Account								
19	Detail of Ash utilization % of fly ash produced		Qty Produced	24.60	32.12	31.24	37.68	53.05	For the Station (2000 MW)
	Ash available as on 31st March		LMT	79.58	81.86	88.57	87.14	82.38	
	Ash utilized for construction of ash dyke		LMT	3.99	16.53	19.93	12.71	11.18	
	Ash utilized within plant premise, other than construction of ash dyke		LMT	0.15	0.24	0.29	0.40	0.36	
	Ash transported		LMT	-	-	-	1.21	5.08	
	Average Distance		KM	-	-	-	150.00	150.00	
19.1	Conversion of value added product		(%)	9.05	4.54	3.76	4.30	5.28	
19.2	For making roads &embarkment		(%)	-	-	-	1.39	4.39	
19.3	Land filling		(%)	0.19	0.29	3.80	15.38	14.19	
19.4	Used in plant site in one or other form or used in some other site		(%)	5.02	20.19	22.50	14.59	15.34	
19.5	Any other use , Please specify		Qty. and Usage	10.34	7.10	1.17	2.02	13.84	
20	Cost of spares actually consumed		(Rs. Lakh)	336.78	430.52	368.43	-	-	
21	Average stock of spares		(Rs. Lakhs)	19,252.96	20,058.25	22,715.24	25,490.20	28,233.56	
22	Number of employees deployed in O&M		Nos.						
22.1	- Executives		Nos.	326.00	292.00	286.00	264.00	250.00	
22.2	- Non Executives		Nos.	230.00	222.00	208.00	214.00	210.00	
22.3	- Corporate office		Nos.	2,568.00	2,241.00	2,016.00	1,815.00	1,728.00	
23	Man-MW ratio		Man/MW	0.28	0.26	0.25	0.24	0.23	
	Total billed amount			Attached as Annexure - C (Billing Details)					
	Total received amount within due date								
	Total amount received beyond due date								
	Total amount pending								
	Total amount under dispute								
	Total rebate given								
	Total LPSC recovered								
24	Generation Switchyard Details								
	No. of Bays voltagewise								
	ICT - nos and rating								
	Dedicated transmission line - voltage and length								

Notes: * Total Ash generated during the Financial Year Given

** Weighted Average distance of Ash Transportation Given

Annexure-VI (C)

DETAILS OF WATER CHARGES

Name of the Company: NTPC Ltd.

Name of the Power Station and Stage/Phase: Simhadri Super Thermal Power Station Stage-II (1000 MW)

(Rs. In Lakhs)

Sl.No.	ITEM	2017-18	2018-19	2019-20	2020-21	2021-22	
1	2	3	4	5	6	7	
(A)	**Plant**	Simhadri Super Thermal Power Station Stage-II (1000 MW)					
1	Type of Plant	Coal Based Plant					
2	Type of Cooling Tower	Natural Draft Cooling Tower					
3	Type of Cooling Water System	Closed Circuit Cooling					
4	Any Special Features which may increase/reduce water consumption						
(B)	**Quantum of Water : (Cubic Meter)**						
5	Contracted Quantum						
6	Allocation of Water	78,84,000.00	78,84,000.00	78,84,000.00	79,05,600.00	78,84,000.00	**For the Station (2000 MW)**
7	Actual water Consumption	87,89,452.00	83,30,262.33	82,11,559.99	70,79,032.79	83,50,027.14	
8.	Rate of Water Charges (Rs/m3)	15.06	15.81	16.60	17.43	18.31	
9	Other charges/Fees , if paid as part of Water						
10	**Total water Charges Paid**	1,562.60	1,587.09	1,461.23	1,147.74	1,221.98	

Annexure-XIX

Name of Utility:	**NTPC Ltd.**
Name of Generating Station:	**Simhadri Super Thermal Power Station Stage-II (1000 MW)**
Station Configuration:	**2 X 500 = 1000 MW**
Capacity (MW):	**1000 MW**
COD:	**30.09.2012**

S.N	Particulars	Unit	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	16.09.11 -	01.04.12 -	30.09.12- 31.03.13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
1	Plant Availability Factor (PAF)	%				NA				89.80		75.42	85.89	90.50	95.86	96.22	86.41	85.11	90.94	95.88	87.82
2	Plant Load Factors (PLF)	%				NA				89.79		75.38	81.34	83.28	82.70	79.47	68.62	69.06	62.48	54.15	65.72
2a	Loading Factor^	%															74.27	81.55	70.59	71.41	77.92
3	Scheduled Energy	MU				NA				1,992.83		4,630.24	6,829.09	6,968.84	6,973.75	6,667.84	5,737.47	5,731.40	5,136.00	4,456.00	5,477.00
4	Scheduled Generation (ex-bus)	MU				NA				1,992.83		4,630.24	6,829.09	6,968.84	6,973.75	6,667.84	5,737.47	5,731.40	5,136.00	4,456.00	5,477.00
5	Gross Generation	MU				NA											6,011.38	6,049.60	5,487.81	4,743.69	5,757.17
	Actual Generation (ex-bus)	MU				NA				2,015.04		4,670.21	6,748.40	6,919.31	6,873.04	6,582.26	5,644.46	5,683.26	5,124.49	4,430.12	5,407.55
	Actual energy supplied to beneficiaries (Long Term, Medium Term and Short Term)	MU				NA				2,015.04		4,670.21	6,748.40	6,919.31	6,873.04	6,582.26	5,633.56	5,602.78	5,457.42	4,752.16	5,382.48
6	Quantum of coal consumption	MT				NA				15,97,340.00		35,88,840.00	48,15,239.00	47,31,810.00	49,70,112.00	46,21,347.00	44,14,471.00	42,44,401.00	38,19,211.00	34,97,535.40	44,20,825.80
7	Value of coal	Rs. Lakh				NA				43,107.00		93,245.00	1,56,107.00	1,72,536.00	1,69,196.00	1,79,995.00	3,18,384.82	3,76,882.23	3,62,662.88	2,17,417.18	3,23,538.44
8	Specific Coal Consumption	kg/kWh				NA				0.75		0.72	0.68	0.65	0.68	0.66	0.73	0.70	0.70	0.74	0.77
9	Gross Calorific Value of Coal	(Kcal/ Kg)				NA				3,204.40		3,285.00	3,489.01	3,607.00	3,448.85	3,584.71	3,304.30	3,445.90	3,418.10	3,239.77	3,134.39
10	Heat Contribution of Coal	(Kcal/ kWh)				NA				2,399.34		2,378.34	2,357.74	2,339.64	2,359.62	2,379.71	2,426.52	2,417.64	2,378.81	2,388.69	2,406.84
11	Cost Of Specific Coal Consumption – Finally admitted by CERC (Ex-Bus)	(Rs./kWh)				NA															
12	Quantum of Oil Consumption	(KL)				NA				13,26,840.00		34,48,680.00	12,59,387.00	19,10,110.00	16,37,450.26	12,02,430.00	2,205.58	3,436.87	2,656.44	1,910.49	2,685.24
13	Value of Oil	(Rs. lakh)				NA											1,142.51	1,888.88	2,546.62	1,642.85	3,965.35
14	Gross calorific value of oil	(kcal/lit)				NA				9,530.47		9,414.00	9,403.00	9,657.12	9,695.56	10,084.00	9,624.60	9,731.11	9,612.82	9,601.13	9,142.91
15	Specific Oil Consumption	(ml/kWh)				NA				0.62		0.70	0.18	0.26	0.23	0.14	0.37	0.57	0.48	0.40	0.47
16	Cost Of Specific Oil Consumption – Finally admitted by CERC	(Rs./kWh)				NA															
17	Heat Contribution of Oil	(Kcal/ kWh)				NA				5.93		6.55	1.66	2.53	2.19	1.67	3.53	5.53	4.65	3.87	4.26
18	Station Heat Rate	(Kcal/ kWh)				NA				2,405.27		2,384.89	2,359.40	2,342.17	2,361.81	2,381.38	2,430.05	2,423.17	2,383.46	2,392.56	2,412.35
19	Auxiliary Energy Consumption	(%)				NA				5.45		5.92	5.68	5.49	5.61	5.55	5.99	5.95	6.49	6.47	5.97
20	Debt at the end of the year	(Rs. Crore)				NA				1,712.61	1,714.01	3,142.71	3,022.01	2,975.45	2,737.60	2,474.91	2,208.11	1,951.95	1,679.82	1,408.12	1,130.44
21	Equity - Average	(Rs. Crore)				NA				739.91	777.75	1,417.65	1,483.94	1,558.53	1,613.00	1,622.99	1,627.02	1,632.61	1,637.61	1,639.90	1,641.14
22	Working Capital – finally admitted by CERC	(Rs. Crore)				NA				372.35	377.53	625.60	634.72	856.54	864.46	864.22	880.17	881.93	470.37	471.18	471.76
23	Capital cost – finally admitted by CERC	(Rs. Crore)				NA				2,466.39	2,592.52	4,725.50	4,946.46	5,195.09	5,376.67	5,409.96	5,423.41	5,442.03	5,458.69	5,466.35	5,470.47
24	Capacity Charges/ Annual Fixed Cost (AFC)					NA				566.82	595.06	1,131.02	1,170.79	1,118.69	1,141.00	1,126.96	1,113.33	1,103.58	1,037.32	1,020.64	1,004.06
	(a) Return on equity – post tax (admitted by CERC upto 2009) and Pre Tax post 2009					NA															
	Absolute value	(Rs. Crore)				NA				169.76	178.44	325.26	348.44	305.63	317.84	319.81	320.61	322.57	307.54	307.94	308.17
	Rate	(%)				NA				22.94	22.94	22.94	23.48	19.61	19.71	19.71	19.71	19.76	18.78	18.78	18.78
	(b) interest on Loan					NA															
	Absolute value	(Rs. Crore)				NA				154.37	162.58	289.34	284.77	265.22	254.30	226.83	198.29	173.45	150.05	127.32	104.49
	Rate – Weighted Average Rate	(%)				NA				9.12	9.49	9.92	9.24	8.84	8.90	8.70	8.47	8.34	8.26	8.25	8.23
	(c) Depreciation (finally allowed by CERC)					NA															
	Absolute value	(Rs. Crore)				NA				126.29	132.88	242.30	253.42	265.59	273.75	274.75	275.40	276.33	277.08	277.47	277.68
	AAD					NA															
	Rate	(%)				NA				5.12	5.13	5.13	5.12	5.11	5.09	5.08	5.08	5.08	5.08	5.08	5.08
	(d) Interest on working Capital					NA															
	Absolute value	(Rs. Crore)				NA				43.75	44.36	84.45	85.68	115.63	116.70	116.67	118.82	119.06	56.68	53.01	49.54
	Rate	(%)				NA				11.75	11.75	13.50	13.50	13.50	13.50	13.50	13.50	13.50	12.05	11.25	10.50
	(e) Operation and maintenance cost (finally admitted by CERC)					NA															
	Absolute value	(Rs. Crore)				NA				72.65	76.80	153.60	162.40	166.63	178.41	188.89	200.22	212.16	245.97	254.90	264.18
	Rate	(%)				NA															
	(f) Compensation Allowances					NA															
	(g) Special Allowance					NA													152.91	74.91	94.50
	h) Supplementary Tariff - Emission Control					NA															
	Absolute value	(Rs. Crore)				NA															
	Rate	(%)				NA															
	i) Ash Utilisation Expenses	(Rs. Crore)				NA															
25	AFC	(Rs./ kWh)				NA				1.62	1.70	1.62	1.67	1.59	1.62	1.60	1.58	1.56	1.48	1.45	1.43
26	Energy Charge	(Rs./kWh)				NA				2.20	2.06		2.41	2.58	2.47	2.74	2.91	2.97	3.38	2.94	2.92
26.1	Supplemental Energy Charges - Emission Control	(Rs./kWh)				NA											-	-	-	-	-
27	Total tariff	(Rs. kWh)				NA				3.82	3.76	3.68	4.08	4.17	4.09	4.34	4.48	4.53	4.86	4.39	4.35
28	Revenue realisation before tax	(Rs. Crore)				NA															
29	Revenue realisation after tax	(Rs. Crore)				NA															
30	Profit/ loss	(Rs. Crore)				NA				514.67		599.13	847.59	630.09	741.50	690.29	897.46	772.66	821.64	772.06	957.03
31	DSM Generation	(MU)				NA				22.21		39.97	(80.69)	(49.53)	(100.71)	(85.58)	(93.01)	(48.14)	(11.51)	(25.88)	(69.45)
32	DSM Rate	(Rs/kWh)				NA															
33	Revenue from DSM	(Rs. Crore)				NA				(7.57)		(14.13)	1.31	1.53	11.88	11.89	14.16	15.16	10.90	5.63	9.54
34	Compensation received for operation below NAPAF					NA				-	-	-	-	-	-	-	-	42.58	36.47	37.11	36.90
35	Part load Compensation received from beneficiriaes					NA				-	-	-	-	-	-	-	-	42.58	51.86	52.82	37.12
36	Amount received from SCED	(Rs Crore)				NA				-	-	-	-	-	-	-	-	-	10.92	3.81	0.06

Note: ^ Additional data related Loading factor (%) submitted
* *GCV of coal as received minus 85 kCal/Kg
DSM Revenue (-)Received / (+) Paid

Annexure-XXII

DETAILS OF EMISSION CONTROL SYSTEM

Generating company: NTPC Ltd
Name of Generating station: Simhadri Super Thermal Power Station Stage-II
Installed Capacity (MW) : 1000 MW

Type of Emission Control System:

Under Operation/Anticipated Operation Date:

S.No.	RESP.	Particulars	Units	2017-18	2018-19	2019-20	2020-21	2021-22
A								
1	**OS**	Gross Generation	MU	NA	NA	NA	NA	NA
2	**OS**	Auxiliary Consumption - emission control (Actual)	MU	NA	NA	NA	NA	NA
	OS	Auxiliary Consumption - emission control (Actual)	%	NA	NA	NA	NA	NA
3	**OS**	Auxiliary Consumption (Normative)	%	NA	NA	NA	NA	NA
4	**OS**	Hours of Operation	Hrs	NA	NA	NA	NA	NA
5	**FIN**	O&M Expenses (Actual) with Breakup as per format	Rs. Crore	NA	NA	NA	NA	NA
6	**FIN**	Other maintenace spares	Rs. Crore	NA	NA	NA	NA	NA
7	**FIN**	Initial Spares consumed*	Rs. Crore	NA	NA	NA	NA	NA

S.No.	RESP.	Particulars	Units	2017-18 Investment Approval	
1	**ENGG.**	Capital Cost of Emission Control System			For the Station(2000 MW)
1.1	**ENGG.**	Hard Cost(Incl. GST)	Rs. Crore	1029.8654	
1.1.1	**ENGG.**	Civil Works	Rs. Crore	Incl. Above	
1.1.2	**ENGG.**	Plant and Machinery and others	Rs. Crore	Incl. Above	
1.1.3	**ENGG.**	Initial Spares procured	Rs. Crore	Incl. Above	
1.2	**ENGG.**	IDC	Rs. Crore	69.6993	
1.3	**ENGG.**	IEDC	Rs. Crore	30.896	
1.4	**ENGG.**	Others. Pls specify	Rs. Crore		
1.4	**ENGG.**	Completed Cost	Rs. Crore		