Name of the Company: NTPC Ltd.

Name of the Power Station: **Farakka STPS** (Rs. In Lakhs) Sl. No. Items 2008-09 2009-10 2010-11 2011-12 2012-13 5441.65 5584.95 1 Consumption of stores & spares 5399.68 6007.67 5411.49 4404.42 4991.69 5769.36 7117.84 8287.20 2 Repair & Maintenance 787.94 3 Insurance 352.15 572.84 608.21 640.71 4 Security 1297.91 1407.70 1600.81 2121.36 1849.31 5 Water Charges 25.96 24.71 26.72 153.24 904.50 6 Administrative Expenses 6.1 Rent 11.85 16.94 15.98 73.81 1.89 6.2 Electricity charges 494.98 514.98 324.47 546.16 626.11 6.3 Travelling & Conveyance 414.14 436.64 498.18 630.53 717.64 6.4 Communication Expenses 88.11 83.38 98.54 117.05 120.29 4.30 7.25 0.94 6.5 Advertising 5.86 2.88 6.6 Foundation Laying & Inaugration 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 6.7 Donation 0.00 6.8 Entertainment 40.26 28.03 28.94 25.42 34.92 0.00 32.00 32.00 32.00 83.84 6.9 Filing fee Subtotal (Administrative Expenses) 884.68 1094.86 1224.10 1512.17 1474.49 7 Employee Cost 7.1 - Salaries, Wages & Allowances 12800.87 11580.17 15733.48 15056.06 17988.85 7.2 - Staff Welfare expenses 1869.66 1555.50 1361.00 1366.16 1803.83 407.25 7.3 - Incentive 341.22 317.78 505.01 452.08 0.00 7.4 - Expenditure on VRS 0.00 0.00 0.00 0.00 7.5 - Ex-gratia 0.00 425.48 464.42 486.96 507.21 7.6 - Performance Related Pay(PRP) 810.91 1088.26 762.54 1227.29 1255.40 Sub Total (Employee Cost) 15822.66 14967.19 18826.44 18588.55 21962.54 8 Loss of Store 0.00 0.00 0.00 1.88 2.84 217.59 17.33 0.84 9 Provisions 105.60 567.74 10 Prior Period Expenses 0.00 0.00 0.00 0.00 0.00 3991.12 3623.08 4207.11 11 Corporate Office expenses allocation 4463.86 5384.16 12 Others 22.30 28.77 39.96 34.96 101.98 12.1 Rates & Taxes 12.2 Water cess 737.42 788.81 1962.09 -490.27482.25 12.3 Training & recruitment expenses 43.19 58.57 154.09 127.09 116.10 35.31 12.4 Tender Expenses 37.30 39.26 37.79 45.30 12.5 Guest house expenses 37.29 44.85 58.95 83.86 95.96 94.74 154.54 185.16 72.49 41.01 12.6 Education expenses 12.7 Community Development Expenses 40.17 50.37 100.41 285.99 378.96 7.97 0.00 0.00 0.00 0.00 12.8 Ash utilisation expenses 2.54 1.99 12.9 Books & Periodicals 3.56 3.85 2.37 58.18 20.24 108.22 37.96 12.1 Professional Charges 12.67 12.11 Legal expenses 11.63 6.92 5.13 13.08 12.27 12.12 EDP Hire & other charges 33.02 46.79 35.85 33.57 24.53 53.22 12.13 Printing & Stationery 34.37 40.97 46.35 60.39 417.41 1320.17 1701.47 12.14 Misc and other Expenses 756.82 1582.08 Sub Total (Others) 1907.00 1699.10 4329.35 1593.80 3093.40 13 (Total 1 to 12) 34303.18 34494.44 42277.67 41946.05 49332.17

61.59

786.00

351.40

0.00

35378.99

34241.59

35027.59

98.00

34396.44

34599.96

203.52

869.30

0.00

35469.26

144.90

42132.77

1169.87

9.14

0.00

43302.63

43311.77

142.52

967.63

41803.53

42771.16

1351.20

44122.36

130.39 49201.77

824.92

50026.69

50026.69

Note:

1) Prior period expenses have been inculed in their natural head

Expenditure of Capital nature as per accounting 17 practice not claimed/ disallowed in capital cost

Total O&M Cost incluidng SI No. 17 above

2) Ex gratia has been incuded in PRP for the year 2008-09

No. of Employee opting for VRS

3) Employee cost includes arrears

14 Revenue / Recoveries

Total O&M Cost

16 Capital spares consumed

15 Net Expenses

4) For 2012-13, data in respect of SI No.17 shall be submitted later

Pro-forma furnishing Actual annual performance/operational data for the coal /lignite based thermal generating stations for the 5 year period from 2008-09 to 2012-2013

| | | 11. % | 2222 | 0000 10 | 2010 11 | 2011 15 | 2010 10 | |
|---------|---|-----------|--|--|---|-------------------|------------------------|-----------------------------------|
| | Particulars | Units | 2008-09 | 2009-10 | 2010-11 | 2011-12 | 2012-13 | Basis of information/ methodology |
| 1 | Name of Company | | | Fanalda (| NTPC | Dawen Otation | | |
| 2 | Name of Station | D 4) A / | | Farakka S 3X200 | | | | |
| 3 | Installed Capacity and Configuration | MW | | | | | | |
| 4 | Rated Steam Parameters (Also state the type of Steam turbine and Boiler | | BOILER: 3X200MW 2X500MW: Natural Turbine: 3x200MW 2X500MW: Three of 1X500MW:Three of MS PARAMETERS: | l circulation, 1X5 V: Three cylinde cylinder reheat c ylinder reheat co | | | | |
| | T (DED | | 170 KSC. | VOCANIAL EL | | | | |
| 5 | Type of BFP | | | | | 500MW: Steam Driv | | |
| c | Circulating Water System | | 3X200MW : OPEN | I CYCLE; ZX500 | CLOSED CY | | 1x500MW: | |
| 6 | Circulating Water System | | Cooling water intak | e level inadequ | | | count of International | |
| 7 | Any other Site specific feature | | Water intak | • | water sharing t | • | ount of international | |
| 8 | Fuels: | | | | water snaming t | reaty | | |
| | | | | | Coal | | | |
| 8.1 | Main Fuel: | | | | | | | |
| 8.1.1 | Annual Allocation or/ and Requirement Sources of supply/ procurement along with contracted | MT | Annual allocation the signed recently) Annual requiremen | | Requirement has been worked out for 90% PLF | | | |
| 8.1.2 | quantity and grade of coal | | | | | | | |
| | | | Annual contracted Qty. 9.31 MMT Grade of coal as per FSA is ECL: A - F , MCL & CCL: E-F, BCCL: C - E, NEC: A | | | | | |
| | | | | | | | | |
| 8.1.2.1 | FSA + MOU against LOA | MT | 7.72 | 6.31 | 3.49 | 5.23 | 8.07 | |
| | Imported | MT | 0.98 | 0.88 | 1.76 | 1.66 | 1.04 | |
| | Bi- Lateral MOU | IVI I | 0.00 | 0.82 | 1.76 | 0.06 | 0.04 | |
| | Spot Market/e-auction | MT | 0.00 | 0.02 | 0.63 | 0.38 | 0.00 | |
| 5.1.2.0 | Transportation Distance of the station from the sources of | 1411 | | | | • | • | |
| 8.1.3 | supply | km | E | CL-86, MCL-68 | 0, CCL- 442, B0 | CCL-310, NECL- 12 | 50 | |
| 8.1.4 | Mode of Transport | | | | | | | |
| 8.1.5 | Maximum Station capability to stock main fuel | Days & MT | | , | | | | |
| 8.2 | Secondary Fuel: | .,, | | | 15 days & 6.0 La | | | |
| 8.2.1 | Annual Requirement | klitre | | | | | | |
| 8.2.2 | Sources of supply | | | IOC | | | | |
| 8.2.3 | Transportation Distance of the station from the sources of supply | Km | | | | | | |
| 8.2.4 | Mode of Transport | | | | | | | |
| 8.2.5 | Maximum Station capability to stock secondary fuels | klitre | | | | | | |
| 9 | Cost of Spares: | | | | 11500 | | | |

Pro-forma furnishing Actual annual performance/operational data for the coal /lignite based thermal generating stations for the 5 year period from 2008-09 to 2012-2013

| Pro-torma | a furnishing Actual annual performance/operational data T | for the coal <i>i</i> | lignite based therm | al generating s | tations for th | e 5 year period fro T | m 2008-09 to 201 | 12-2013 T |
|------------------|--|-----------------------|---------------------|-----------------|----------------|--------------------------|------------------|------------------------------------|
| | Particulars | Units | 2008-09 | 2009-10 | 2010-11 | 2011-12 | 2012-13 | Basis of information/ methodology |
| 1 | Name of Company | | , | | | | | |
| 2 | Name of Station | | | Farakka Su | | | | |
| | Cost of Spares capitalized in the books of accounts (St-I & | | | | | | | |
| 9.1 | II) | (Rs. Lakh) | 1393 | 2167 | 2220 | 2044 | | 2012-13 data to be submitted later |
| | | | | | | | | |
| | Cost of Spares capitalized in the books of accounts (St-III) | (Rs. Lakh) | | | | 416 | | |
| | Cost of spares included in capital cost for the purpose of | | | | | | | |
| 9.2 | tariff (St-I & II) | (Rs. Lakh) | 0 | 0 | 0 | 0 | | |
| | Cost of spares included in capital cost for the purpose of | | | | | | | |
| | tariff (St-III) | (Rs. Lakh) | | | | 416 | | |
| 10 | Generation | | | | | | | |
| 10.1 | Actual Gross Generation at generator terminals (Commercial | | | | | | | |
| 10.1.1 | Stage-1 &2 | MU | 10759.3 | 10239.3 | 11089.0 | 9978.3 | | |
| 10.1.2 | Stage-3 | MU | | | | | 2585.0 | |
| 10.2 | Actual Net Generation Ex-bus | MU | 40007.4 | 0.470.4 | 40044.0 | 0074.5 | 0050.0 | Danadas DEA |
| 10.2.1 10.2.2 | Stage-1 &2 Stage-3 | MU MU | 10007.1 | 9479.4 | 10341.3 | 9274.5 | 8358.2 2451.5 | Based on REA |
| 10.2.2 | Scheduled Generation Ex-bus | IVIU | | | | | 2451.5 | |
| 10.3.1 | Stage-1 &2 | MU | 9917.1 | 9403.8 | 10407.0 | 9540.0 | 8555 6 | Based on REA |
| 10.3.2 | Stage-3 | MU | 3317.1 | 0400.0 | 10+01.0 | 3040.0 | 2667.8 | |
| 11 | Average Declared Capacity (DC) | | | | | | | |
| 11.1 | Stage-1 &2 | MW | 1143.7 | 1092.3 | 1298.9 | 1229.3 | 1105.3 | |
| 11.2 | Stage-3 | MW | | | | | 330.3 | |
| | Actual Auxiliary Energy Consumption including colony | | | | | | | |
| 12 | consumption | | 7.17.0 | | =0.1.0 | | 200.0 | |
| 12.1 | Stage-1 &2 | MU | 747.8 | 755.3 | 734.6 | 689.3 | | |
| 12.2 13 | Stage-3 Actual Energy supplied to Colony from the station | MU MU | 22.3 | 23.1 | 25.2 | 22.7 | 166.0 22.5 | |
| 14 | Main Fuel: | IVIO | 22.3 | 23.1 | 25.2 | 22.1 | 22.5 | |
| | | | | | | | | |
| 14.1 | Consumption: | NAT. | 7020426 | 7075252 | EC24227 | F26F740 | 0456600 | |
| 14.1.1 | , | MT | 7829136 | 7075352 | 5624237 | 5265718 | | |
| | Imported Coal | MT | 773033 | 1068826 | 1709888 | 1632634 | 1044302 | |
| 14.2 | Gross Calorific Value (GCV): | | | | | | | |
| 14.2.1 | Domestic Coal (As received) avg GCV AD basis | kCal/kg | | | | | | |
| | (As fired) | kCal/kg | | | | | | |
| 14.2.2 | | kCal/kg | 5644 | 5527 | 5578 | 5608 | 5750 | |
| 14.2.3 | Spot market/e-auction coal (As received) | kCal/kg | | | | | | |
| 14.2.4 | | kCal/kg | | | | | | |
| 14.2.5 | Weighted Average Gross Calorific value (As fired) | kCal/kg | 3006 | 3016 | 3623 | 3462 | 3015 | |
| 14.3 | Price of Coal: | | | | | | | |
| 14.3.1 | Weighted Average price of Domestic coal | (Rs/MT) | 1190.5 | 2380.8 | 3327.6 | | | |
| 14.3.2 | Weighted Average price of imported coal | (Rs/MT) | 6935.7 | 6190.5 | 6820.6 | 6513.1 | 5453.1 | |

Pro-forma furnishing Actual annual performance/operational data for the coal /lignite based thermal generating stations for the 5 year period from 2008-09 to 2012-2013

| | Particulars | Units | 2008-09 20 | 09-10 | 2010-11 | 2011-12 | 2012-13 | Basis of information/ methodology |
|---------|--|--------------------|------------|---------|---------|---------|---------|-----------------------------------|
| 1 | Name of Company | | | | | | | |
| 2 | Name of Station | | | | | | | |
| 14.3.3 | Weighted Average price of spot market/ e-auction coal | (Rs/MT) | | | | | | |
| 14.3.4 | Weighted Average price of all the Coals (as received) | (Rs/MT) | 3175.1 | 2896.0 | 4123.7 | 3344.0 | 1673.1 | |
| 14.4 | Blending: | % and MT | | | | | | |
| 14.4.1 | Blending ratio of imported coal with domestic coal | % | 9.0% | 13.1% | 23.3% | 23.7% | 11.3% | Import/ Total Coal Consumption |
| 4.4.2 | Proportion of e-Auction coal in the blending | | | | | | | |
| 14.4.3 | Actual Average stock maintained | MT | 69681 | 56059 | 122042 | 166401 | 34970 | Average of monthly closing stock |
| 14.5 | Actual Transit & Handling Losses for coal/Lignite | | | | | | | |
| 14.5.1 | Pit- Head Station | | | | | | | |
| 4.5.1.1 | Transit loss from linked mines (Domestic) | MT | 0.26% | 0.20% | 0.19% | 0.21% | 0.19% | , |
| 4.5.1.2 | Transit loss from non-linked mines including e-auction coal mines. | | | | | | | |
| 4.5.1.3 | Transit loss of imported coal | MT | 0.13% | 0.13% | 0.11% | 0.11% | 0.11% | |
| 14.5.2 | Non-Pit Head station | | | | | | | |
| 4.5.2.1 | Transit loss from linked mines | | | | | | | |
| 4.5.2.2 | Transit loss from non-linked mines including e-auction coal m | nines. | | | | | | |
| 4.5.2.3 | Transit loss of imported coal | | | | | | | |
| 15 | Secondary Fuel Oil : | HFO | | | | | | |
| 15.1 | Consumption (for commercial generation) | klitre | 13068.2 | 8518 | 4319.5 | 6036 | 17769 | |
| 15.2 | Weighted Average Gross Calorific value | kCal/kg(litre) | 9219 | 9637 | 9669 | 9700 | 9570 | |
| 15.3 | Weighted Average Price | Rs/ KL | 20315.9 | 26194.0 | 31558.8 | 40232.2 | 47425.4 | |
| 15.4 | Actual Average stock maintained (useable) | klitre | 4789 | 5441 | 7068 | 5623 | 5412 | Average of monthly closing stock |
| 16 | Weighted average duration of outages | | | | | | | |
| 16.1 | Scheduled Outages | MU | 927.3 | 694.2 | 827.2 | 1484.2 | 893.8 | 3 |
| 16.2 | Forced Outages | MU | 838.2 | 1509.5 | 532.6 | 737.9 | 2216.1 | |
| 16.3 | Number of trippings | No | 29 | 22 | 24 | 33 | 96 | |
| 16.4 | Number of start-ups : | No | 56 | 47 | 37 | 57 | 121 | |
| 16.4.1 | Cold Start-up | No | 10 | 15 | 11 | 16 | 22 | |
| | Warm Start-up | No | 30 | 14 | 7 | 14 | | |
| 16.4.3 | Hot start-up | No | 25 | 18 | 19 | 27 | 74 | • |
| 17 | NOx , SOx ,and other particulate emission in : | /N13 | | | | | | |
| 17.1 | Design value of emission- NOx | mg/Nm ³ | | | NA | | | No norm; not considered in design |
| | Design value of emission- SOx | mg/Nm ³ | | | NA | | | No norm; not considered in design |
| | Design value of emission- SPM (St-I) | mg/Nm ³ | | | 550 | | | |
| | Design value of emission- SPM (St-II) | mg/Nm ³ | | | 50 | | | |
| | Design value of emission- SPM (St-III) | mg/Nm ³ | | | 50 | | | |
| 17.2 | Actual emission (SPM)- St-I | mg/Nm ³ | 37-144 | 50-114 | 52-114 | 41-121 | 41-101 | |
| 17.3 | Actual emission (SOx) | mg/Nm ³ | 243-463 | 288-450 | 294-538 | 306-476 | | |
| 17.4 | Actual emission (NOx) | mg/Nm ³ | 460-1134 | 423-812 | 338-647 | 402-614 | 388-592 | 2 |

Pro-forma furnishing Actual annual performance/operational data for the coal /lignite based thermal generating stations for the 5 year period from 2008-09 to 2012-2013

| | Particulars | Units | 2008-09 | 2009-10 | 2010-11 | 2011-12 | 2012-13 | Basis of information/ methodology |
|------|---|--------------------|---------|------------|---------|---------|---------|--------------------------------------|
| 1 | Name of Company | | | • | NTPC | | | |
| 2 | Name of Station | | | Farakka Su | | | | |
| 17.2 | Actual emission (SPM)- St II | mg/Nm ³ | 54-14 | 62-126 | 52-116 | 54-134 | 63-116 | |
| 17.3 | Actual emission (SOx) | mg/Nm ³ | | | | | | |
| 17.4 | Actual emission (NOx) | mg/Nm ³ | | | | | | |
| | | Quantity | | | | | | |
| 19 | Detail of Ash utilization % of fly ash produced | Produced | 30.16 | 28.47 | 24.81 | 22.07 | 36.47 | |
| | | (Lakh MT) | | | | | | |
| 19.1 | Conversion of value added product(Issue to Cement, RMC & | % | 43.69 | 44.97 | 43.64 | 41.92 | 29.17 | |
| 15.1 | Brick /block industries) | /0 | 43.09 | 44.97 | 45.04 | 41.32 | 29.17 | |
| 19.2 | For making roads & embarkment | % | 5.36 | 0.76 | 13.56 | 43.62 | 46.87 | |
| 19.3 | Land filling | % | 14.63 | 37.26 | 29.73 | 4.22 | 8.60 | |
| 10.4 | Used in plant site in one or other form or used in some other | 0/ | 47.03 | 0.00 | 0.00 | 0.00 | 6.76 | |
| 19.4 | site (Mine filling & Ash dyke raising) | % | 17.83 | 0.00 | 0.00 | 0.00 | 6.76 | |
| | TANY OTHER USE. Please specify (Agriculture, Bottom ash cover | Qty. (Lakh | | | | | | |
| 19.5 | | MT) and | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | usage | | | | | | |
| 20 | Cost of spares actually consumed | | 6104.5 | 6016.5 | 6426.9 | 6191.4 | 6218.8 | |
| 21 | Average stock of spares | | 16295.2 | 14790.8 | 14216.3 | 14473.0 | 15127.5 | |
| 22 | Number of employees deployed in O&M | | | | | | | |
| 22.1 | Executives | | 440 | 451 | 465 | 473 | 465 | |
| 22.2 | Non Executives | | 1076 | | 1026 | | | |
| 22.3 | Corporate office | | 3205 | | | | | Total Corporate Man Power |
| 23 | Man-MW ratio | | 0.95 | 0.94 | 0.71 | 0.72 | 0.68 | Excluding Corporate Man Power |

Note

From Oct/ Nov 2012 onwards payment to coal companies is being made on the basis of GCV as received at plant boundary. As per FSA, payment is to be made as per the quality assessed at mine end. Accordingly substantial amount billed by Coal companies are yet to be paid. Prices indicated above reflect the payment being made to Coal Companies

GCV of Domestic Coal as received is being measured only from Oct/Nov 2012