|  |  |  |
| --- | --- | --- |
|  | **पंजीकृत कार्यालय :शक्ति सदन, कोटला रोड़, न्यू दिल्ली-110002**  (Regd. Office Shakti Sadan, Kotla Road, New Delhi-110002)  **कार्यालय उपमहाप्रबंधक (एस.ओ.)**  **Office of Dy. General Manager (SO)**  **एस एल डी सी बिल्डिंग, मिंटो रोड़, न्यू दिल्ली-110002**  SLDC Building, Minto Road, New Delhi-110002  Ph: 23221149 FAX No.23221012 | |
| **No. F./DTL/207 /DGM(SO)/12-13/253** | | **Dated : 11.09.2012** | |

**Subject : Minutes of the Meeting held on 17.08.2012 regarding Scheduling and**

**other related issues of Jhajjar Power Plant of Aravali Power Company Private Ltd.**

Dear Sir, / महोदय

The copy of the Minutes of the Meeting held on 17.08.2012 regarding Scheduling and other related issues of Jhajjar Power Plant of Aravali Power Company Private Ltd Station is enclosed for ready reference and further necessary action please.

It is also available in SLDC website [*www.delhisldc.org*](http://www.delhisldc.org) at Meeting Portal.

This issues with the approval of Competent Authority.

Thanking you,

भवदीय / Yours faithfully

Encl. As above

**(उपमहाप्रबंधक (एस.ओ.)/**Dy. G. M. (SO)

List of addresses

1. Executive Director (Engg.), DERC, Viniyamak Bhawan, Shivalik, New Delhi-17
2. General Manager, (Commercial), DTL
3. General Manager, SLDC, Delhi
4. CWE (Utilities), MES, Delhi Cantt., New Delhi-110010
5. Addl. Vice President, System Operation, BRPL, Balaji Estate, Kalkaji, New Delhi
6. DGM (SO), System Operation, BYPL, Balaji Estate Kalkaji, New Delhi
7. Chief Engineer (Electrical-1), NDMC, Palika Kendra, New Delhi-110001
8. Director (Comml.), NDMC, Palika Kendra, New Delhi-1
9. Head (System Operation), TPDDL
10. AGM(Comml.), APCPL, 1st Floor, Pawanhans Tower, C-14, Sec-1, Noida, UP-201301
11. Sh. Chander Mohan, Vice President & Head (Network Operation), BRPL, BSES Bhawan Nehru Place, New Delhi-19
12. Sh. Ajay Kumar, VP (PP&PMG), BRPL, Bldg. No. 20, Nehru Place, New Delhi-19
13. Sr. General Manager (Power Management Group), TPDDL, Corporate Office, 3rd Floor, Sub-Station Building, Hudson Lines, Kingsway Camp, Delhi-110019
14. Sh. Sunil Kakkar, Addl. Vice President (PMG), BSES Yamuna Power Ltd., Shakti Kiran Building, Karkardooma, Delhi 110092
15. Sh. Sanjay Srivastava, AVP (PMG), BRPL, Bldg. No. 20, Nehru Place, New Delhi-19
16. General Manager (Commercial), National Thermal Power Corporation, NTPC NCR Headquarter, Sector-24, Noida, UP-201301
17. Manager (SO)-Shift, Delhi SLDC
18. Executive Engineer (SO), NDMC, Minto Road

Copy for favour of kind information to :

* 1. Secretary, DERC, Viniyamak Bhawan, C-Block, Shivalik, New Delhi-110017
  2. Chairman and Managing Director, DTL
  3. Member Secretary, NRPC, **18A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi-16**
  4. **Director (Operations), NTPC Ltd, Core-7, Scope Complex, Lodhi Road, New Delhi-03**
  5. Director (Comml.), NTPC **Ltd, Core-7, Scope Complex, Lodhi Road, New Delhi-03**
  6. Chairperson, New Delhi Municipal Council, Palika Kendra, Sansad Marg, New Delhi
  7. CEO, BSES Rajdhani Power Ltd, BSES Bhawan, Nehru Place, New Delhi-110019
  8. CEO, BSES Yamuna Power Ltd, Shakti Kiran Building, Karkardooma, Delhi-92
  9. CEO, APCPL, Pawan Hans Tower, C-14, Sec-1, Noida-201301
  10. CEO, TPDDL, 33kV Grid S/Stn, Hudson Lane, Kingsway Camp, Delhi-9
  11. Chief Engineer (Utilities), CWE, MES, Kotwali Road, Delhi Cantt New Delhi-110010
  12. Managing Director, IPGCL/PPCL,Himadri, Rajghat Power House, New Delhi-110002
  13. Addl. Secretary (Power), GNCTD
  14. Director (T), PPCL, Himadri, Rajghat Power House, New Delhi-110002
  15. Director (Operations), DTL
  16. G.M., NRLDC, **18A, Shaheed Jeet Singh Marg, Opp. Katwaria Sarai, New Delhi-16**
  17. **Director (O&M), Ministry of Power, Govt. of India, Shram Shakti Bhawan, New Delhi-01**

****

**DELHI TRANSCO LTD.**

(Regd. Office : Shakti Sadan, Kotla Road, New Delhi 110002)

**[Office of Dy. General Manager (SO)]**

SLDC Building, Minto Road, New Delhi – 110 002

Phone No.23221149, Fax 23221012, 23221059

**Subject : Minutes of the Meeting held on 17.08.2012 regarding Scheduling**

**and other related issues of Jhajjar Power Plant of Aravali Power Company Private Ltd.**

A meeting held on 17.08.2012 to clear the scheduling principle being adopted in case of Jhajjar Power Plant of Aravali Power Company Pvt Ltd (APCPL).

Director(Operations), DTL Chaired the meeting. The list of the participants is enclosed as Annexure-A.

The following is the gist of discussions:-

1 Dy. G.M. (System Operation), SLDC explained the scheduling procedure being adopted by NRLDC as NRLDC is the Nodal Agency for scheduling of Jhajjar power. He further informed that inspite of personal request to NRLDC and NRPC, none attended the meeting. Most of the time, Delhi SLDC placed the requisition from Jhajjar Power `NIL’ but to meet the technical requirement to ensure the generation at the station, NRLDC scheduled the power to Delhi to attain the bare minimum technical limit of the station. It was further informed that from the data of availability and schedule from the station, it is evident that the schedule has been done to bare minimum technical limit to Delhi.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Month | Declared Capacity (DC) | | Allocation to Delhi in % | Total Scheduled from the station in MUs | Total scheduled to Delhi in MUs | % Scheduled of DC to Delhi | Min schedule to be done in % of allocation |
| % | MUs |
| April'12 | 77.374 | 349.11149 | 7.7 | 244.7582 | 14.3485225 | 4.11 | 5.39 |
| May'12 | 70.336 | 491.90185 | 23.1 | 348.55 | 26.458 | 5.38 | 16.17 |
| June'12 | 85.841 | 580.97189 | 23.1 | 408.093 | 99.744 | 17.17 | 16.17 |
| July'12 | 73.097 | 511.21118 | 23.1 | 395.004 | 60.646 | 11.86 | 16.17 |

He informed that on the recommendations of the Delhi Power Procurement Group, the Govt. of Delhi had requested to reallocate the entire allocation of Delhi from Jhajjar Power Plant to the needy states upto 31.03.2013. Subsequently, Govt of India has allocated 231MW capacity (100% allocation of Delhi) of the Station from 07.10.2011. Following the commercial commission of unit-2 (500MW) on 21.04.2012, the reallocated share of Delhi to other states remained same i.e. 231MW leaving the allocation to Delhi 23.1% of the capacity i.e. 231MW from total 1000MW capacity. This allocation is extended upto 31.10.2012. He further informed that as per existing tariff regulations of CERC, the fixed charges liability rests with Delhi beneficiaries for their allocated share. In addition to fixed charges, the variable and other incidental charges are also payable by Delhi Discoms for the scheduled quantum of power as per the Implemented Schedules issued by NRLDC and Regional Energy Accounts issued by NRPC based on the implemented schedules. The relevant extracts of Tariff Regulations for the period 2009-14 notified on 19.01.09 by CERC is reproduced below:-

32. **Billing and Payment of charges.**

(1) Bills shall be raised for capacity charge, energy charge and the transmission charge on monthly basis by the generating company and the transmission licensee in accordance with these regulations, and payments shall be made by the beneficiaries or the transmission customers directly to the generating company or the transmission licensee, as the case may be.

(2) Payment of the capacity charge for a thermal generating station shall be shared by the beneficiaries of the generating station as per their percentage shares for the month (inclusive of any allocation out of the unallocated capacity) in the installed capacity of the generating station.

Payment of capacity charge and energy charge for a hydro generating station shall be shared by the beneficiaries of the generating station in proportion to their shares (inclusive of any allocation out of the unallocated capacity) in the saleable capacity (to be determined after deducting the capacity corresponding to free energy to home State as per Note 3 herein.

**Note 1**

Shares / allocations of each beneficiary in the total capacity of Central sector generating stations shall be as determined by the Central Government, inclusive of any allocation made out of the unallocated capacity. The shares shall be applied in percentages of installed capacity and shall normally remain constant during a month. Based on the decision of the Central Government the changes in allocation shall be communicated by the Member-Secretary, Regional Power Committee in advance, at least three days prior to beginning of a calendar month, except in case of an emergency calling for an urgent change in allocations out of unallocated capacity. The total capacity share of a beneficiary would be sum of its capacity share plus allocation out of the unallocated portion. In the absence of any specific allocation of unallocated power by the Central Government, the unallocated power shall be added to the allocated shares in the same proportion as the allocated shares.

**Note 2**

The beneficiaries may propose surrendering part of their allocated firm share to other States within / outside the region. In such cases, depending upon the technical feasibility of power transfer and specific agreements reached by the generating company with other States within/ outside the region for such transfers, the shares of the beneficiaries may be prospectively re-allocated by the Central Government for a specific period (in complete months) from the beginning of a calendar month. When such re-allocations are made, the beneficiaries who surrender the share shall not be liable to pay capacity charges for the surrendered share. The capacity charges for the capacity surrendered and reallocated as above shall be paid by the State(s) to whom the surrendered capacity is allocated. Except for the period of reallocation of capacity as above, the beneficiaries of the generating station shall continue to pay the full capacity charges as per allocated capacity shares. Any such reallocation and its reversion shall be communicated to all concerned by the Member Secretary, Regional Power Committee in advance, at least three days prior to such reallocation or reversion taking effect.

It was also made very clear that if the entitlement of power is lying un-dispatched, if the same is dispatched according to the requirement to avoid over drawal under low frequency and to maintain other system parameters by SLDC / NRLDC invoking various sections of Electricity Act 2003 and Indian Electricity Grid Code. The relevant clauses of Electricity Act 2003 are reproduced hereunder :-

**Section 32. (Functions of State Load Despatch Centres):-**

(1) The State Load Despatch Centre shall be the apex body to ensure integrated operation of the power system in a State.

(2) The State Load Despatch Centre shall -

(a) be responsible for optimum scheduling and despatch of electricity within a State, in accordance with the contracts entered into with the licensees or the generating companies operating in that State;

(b) monitor grid operations;

(c) keep accounts of the quantity of electricity transmitted through the State grid;

(d) exercise supervision and control over the intra-State transmission system; and

(e) be responsible for carrying out real time operations for grid control and despatch of electricity within the State through secure and economic operation of the State grid in accordance with the Grid Standards and the State Grid Code.

The representatives of APCPL informed that TPDDL has been making payments as per the bills raised by APCPL for Jhajjar power. Though substantial amount of outstanding is due on BRPL, they have not made any objection of the billing procedure and partial payments are also being made. BYPL has not been paying bills and bills are returned on the ground that they have surrendered the entire allocation from the station which is against the provisions of existing rules and regulations. The representative of the APCPL explained that without getting bills paid, it would be very difficult to continue the operation of the Station as it is single plant station with limited beneficiaries. He further informed that they have not violated any rules and regulations and schedules have been maintained as per the directions of NRLDC – the scheduling coordinating body of Jhajjar Power Plant, from time to time.

3 BRPL representative intimated that they were not objecting the methodology of billing but echoed against the exorbitant cost of the power from the station.

4 TPDDL representatives also supported the views of the BRPL.

5 BYPL representative vehemently opposed the billing methodology of APCPL on the ground that they have surrendered the entire allocation from the station. He explained that due to the poor consumer mix of the licensed area of BYPL, they can’t be able to afford such costly power. He cited the recent tariff order of DERC wherein the purchase of power from Jhajjar is taken as ZERO for entire tariff control period though the position of true up at the year end is envisaged. He reasoned his stand citing the tentative cost at the time of entering Power Purchase Agreement and the submitted cost in the tariff petition filed before CERC. It was explained that in the tariff petition filed before CERC 1½ year back, the tentative variable cost was fixed at 225Ps/Unit whereas the actual (based on the billing) comes more than 350/Unit which is about 55% more than the petitioned amount which is not acceptable. Had there been 5-10% variation of variable cost in the petitioned variable cost and the billed variable cost they would have accepted the bills for fixed charge and variable charges and also scheduled the power from the station. Since, scheduling was not done due to vast variation in variable cost, the fixed charges was also not payable.

6 APCPL representatives strongly refuted the charges of BYPL. They pointed out that the tariff issues can be agitated before CERC which is the appropriate forum and ample opportunities available with beneficiaries while finalizing the tariff of Jhajjar Power. At present, bills are raised based on the provisional tariff order issued by CERC on 02.11.2011 wherein it is made very clear that variable charges would be claimed as per the respective clauses of tariff regulations [5 & 6 (a)] which are reproduced hereunder :-

**21. Computation and Payment of Capacity Charge and Energy Charge for Thermal Generating Stations**

(5) The energy charge shall cover the primary fuel cost and limestone consumption cost (where applicable), and shall be payable by every beneficiary for the total energy scheduled to be supplied to such beneficiary during the calendar month on ex-power plant basis, at the energy charge rate of the month (with fuel and limestone price adjustment). Total Energy charge payable to the generating company for a month shall be:

(Energy charge rate in Rs./kWh) x {Scheduled energy (ex-bus) for the month in kWh.}

(6) Energy charge rate (ECR) in Rupees per kWh on ex-power plant basis shall be determined to three decimal places in accordance with the following formulae :

(a) For coal based and lignite fired stations

ECR={(GHR–SFCxCVSF) x LPPF/CVPF + LCxLPL} x 100 **/** (100– AUX)

(b) For gas and liquid fuel based stations

ECR = GHR x LPPF x 100 **/** {CVPF x (100 – AUX) }

Where,

AUX = Normative auxiliary energy consumption in percentage.

CVPF = Gross calorific value of primary fuel as fired, in kCal

per Kg, per litre or per standard cubic metre, as applicable.

CVSF = Calorific value of secondary fuel, in kCal per ml.

ECR = Energy charge rate, in Rupees per kWh sent out.

GHR = Gross station heat rate, in kCal per kWh.

LC = Normative limestone consumption in kg per kWh.

LPL = Weighted average landed price of limestone in Rupees per

kg.

LPPF = Weighted average landed price of primary fuel, in Rupees

per kg, per litre or per standard cubic metre, as applicable, during the month.

SFC = Specific fuel oil consumption, in ml per kWh.

7 The representatives of BRPL & TPDDL requested APCPL to take all initiatives to reduce the tariff of Jhajjar power.

**Surrender of share of Jhajjar Power**

8 On inquiry from the Chair, it was clarified by APCPL that the 3rd unit is also getting ready for commercial operation by October 2012. On commissioning of this unit, another 231MW capacity would be added to Delhi Discoms.

9 SLDC representatives requested APCPL to reallocate the entire allocation of the station to the needy states as Delhi would be entering into lean season from October 2012. They also cited the instances of under drawal and numerous messages of NRLDC to control under drawal. They further informed that as per estimates, the requirement from Jhajjar considering the merit order dispatch principle, is `NIL’ upto 31.03.2013.

10 BRPL representative informed that due to phenomenal increase in load demand in its licensed area, they required allocation of one unit of Jhajjar i.e. approximately 100MW. However, they could forecast the requirement for short duration surrender on 15 days basis. SLDC representative reminded BRPL representatives that on the recommendations of Delhi Power Procurement Group consisting the representatives of BRPL also, Govt. of NCT of Delhi has already requested Central Government to reallocate the entire share i.e. 462MW out of 1000MW capacity to needy states upto 31.03.2013. If additional unit at Jhajjar is commissioned, the surplus power would further be increased.

11 APCPL hinted that it was transpired from the discussions of Andhra Pradesh Electricity authorities, if long term allocation from Jhajjar is made available to them at atleast upto 31.05.2014, there would be a possibility of getting coal from Singreni Coal fields of Andhra Pradesh which would ease out the cost of production of electricity from plant.

12 BYPL and TPDDL representatives agreed to surrender their entire share from the plant upto 31.05.2014. BRPL representative requested for retention of 100MW power from the entire plant (1500MW capacity). However, BRPL representative agreed for the surrender of its share in 15 days advance notice.

13 The Chair advised APCPL to immediately initiate steps to reallocate the entire allocation of Delhi Discoms except 100MW power for BRPL upto 31.05.2014 to get rid off the fixed charges liability of surrendered quantum and variable charges liability for technical limits apart from encountering the technical problems for huge under drawal as highlighted by SLDC. With regard to the request of APCPL to impress upon BYPL to honour the bills and make the payments, he advised the parties to approach appropriate forum as per PPA and follow rules & regulation to resolve the issue.

Meeting ended with thanks to Chair.

**Annexure-A**

**The list of the officers attended the meeting held on 17.08.2012 regarding Scheduling and other related issues of Jhajjar Power Plant of Aravali Power Company Private Ltd.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. N.** | **Name** | **Designation** | **Utility** | **Mobile no.** | **Email** |
| 1 | Sh. A.K. Haldar | Director (O)- In Chair | DTL | 9650992550 | [asimhaldar@yahoo.co.in](mailto:asimhaldar@yahoo.co.in) |
| 2 | Sh. V.K.Garg | G.M. (Comml) | DTL | 9999533634 | [vkgarg8645@gmail.com](mailto:vkgarg8645@gmail.com) |
| 3 | Sh. Roop Kumar | G. M. (SLDC) | SLDC | 9999533629 | [roopkumar2008@gmail.com](mailto:roopkumar2008@gmail.com) |
| 4 | Sh. V. Venugopal | Dy.G.M. (SO) | SLDC | 9871093902 | [venugopal.v1960@yahoo.co.in](mailto:venugopal.v1960@yahoo.co.in) |
| 5 | Sh. Darshan Singh | Manager (SO) | SLDC | 9999533837 | [darshansingh.dtl@gmail.com](mailto:darshansingh.dtl@gmail.com) |
| 6 | Sh. Deepak Sharma | AM(T), SO | SLDC | 9999535008 | [deepaksharma.dtl@yahoo.co.in](mailto:deepaksharma.dtl@yahoo.co.in) |
| 7 | Sh. Sanjeev Kumar | AM(T), SO | SLDC | 9999533917 |  |
| 8 | Sh. D.G.Salpeper | DGM (Comml) | NTPC | 9650990185 |  |
| 9 | Sh. B.S. Rajput | Sr. Manager | NTPC | 9650990632 | [bsrajput01@ntpc.co.in](mailto:bsrajput01@ntpc.co.in) |
| 10 | Ms Shilpa Agrawal | Dy. Manager (Comml) | NTPC | 9650992680 |  |
| 11 | Sh. N.N. Sadasivan | DyG.M. | APCPL | 9650990848 | [nnsadasivan@gmail.com](mailto:nnsadasivan@gmail.com) |
| 12 | Sh. P. Mediratta | DGM(O&M) | APCPL | 9416212411 | [pmediratta@ntpc.co.in](mailto:pmediratta@ntpc.co.in) |
| 13 | Sh. S.K. Samui | AEM(Comml) | APCPL | 9650990432 | sksamui@gmail.com |
| 14 | Sh.S.K.Grover | AGM(OS) | APCPL | 9650999936 | [sugrover@gmail.com](mailto:sugrover@gmail.com) |
| 15 | Sh. Ajay Kumar | Vice President (PP&NM) | BRPL | 9350683910 | [ajai.i.kumar@relianceada.com](mailto:ajai.i.kumar@relianceada.com) |
| 16 | Sh. Ashis Kumar Dutta | A.G.M. | TPDDL | 9871798566 | [ashis.dutta@tatapower-ddl.com](mailto:ashis.dutta@tatapower-ddl.com) |
| 17 | Sh. Kapeesh Rustogi | Manager(PMG) | TPDDL | 9717354212 | kapeesh.rustogi@tatapower-ddl.com |
| 18 | Sh. Puneet Munjal | Sr. G.M. (PMC&S) | TPDDL | 9818100642 | [puneet.munjal@tatapower-ddl.com](mailto:puneet.munjal@tatapower-ddl.com) |
| 19 | Sh. Sunil Kakkar | AVP (PMG) | BYPL | 9312147042 | [sunil.kakar@relianceada.com](mailto:sunil.kakar@relianceada.com) |
| 20 | Sh. Haridas Maity | Sr. Manager | BYPL | 9350110156 | [haridas.maity@relianceada.com](mailto:haridas.maity@relianceada.com) |
| 21 | Syed K. Alam | Dy. Director (T&D) | DERC | 9999533896 |  |
| 22 | Sh. K.S. Meena | XEN(SO) | NDMC | 9871798566 | meenaks24@rediffmail.com |
| 23 | Sh. Madanpal | EE-SLDC | NDMC | 9868115524 | [madanpalndmc@rediffmail.com](mailto:madanpalndmc@rediffmail.com) |
| 24 | Sh. Mohit Sharma |  | GNCTD | 23392791 |  |