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|  |   **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-110002Ph: 23221149 FAX No.23221012 |
| **No. F./DTL/207 /DGM(SO)/11-12/ 44** | **Dated : 17.02.2012**  |

**Subject : Minutes of the Meeting held on 10.02.2012 at 03.00PM at SLDC to resolve**

**Scheduling and other related issues of 16MW Generating Unit of Timarpur – Okhla Waste Management Company**

Dear Sir, / महोदय

The copy of the Minutes of the Meeting held on 10.02.2012 at 03.00PM at SLDC to resolve Scheduling and other related issues of 16MW Generating Unit of Timarpur – Okhla Waste Management Company 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.

Thanking you,

 भवदीय / Yours faithfully

Encl. As above

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

List of addresses

1. Executive Director (T), DTL, Shakti Deep Bldg. Jhandewallan, New Delhi-110055
2. Executive Director(Engg.), DERC, Viniyamak Bhawan, Shivalik, New Delhi-17
3. General Manager (O&M), DTL, Parkstreet, 220kV S/Stn.,New Delhi
4. General Manager, Badarpur Thermal Power Stn., Badarpur, New Delhi-44
5. General Manager (Commercial), DTL
6. General Manager, SLDC, Delhi
7. CWE (Utilities), MES, Delhi Cantt., New Delhi-110010
8. Sh. Anant Mishra, G.M.(Project), Timarpur – Okhla Waste Management Company Pvt Ltd, Jindal ITF Centre, 28, Shivaji Marg, New Delhi-110015, Fax No. 011-45021982
9. Addl. Vice President, System Operation, BSES, Balaji Estate, Kalkaji, New Delhi
10. Chief Engineer (Electrical-1), NDMC, Palika Kendra, New Delhi-1
11. Chief Engineer (Electrical -2), NDMC, Palika Kendra, New Delhi -1
12. Director (Comml.), NDMC, Palika Kendra, New Delhi-1
13. Sh. Chander Mohan, Vice President & Head (Network Operation), BRPL, BSES Bhawan Nehru Place, New Delhi-19
14. Sh. Ajay Kumar, Addl. Vice President (PP&PMG), BRPL, Bldg. No. 20, Nehru Place, New Delhi-110019
15. General Manager (PP&CC), NDPL, Corporate Office, 3rd Floor, Sub-Station Building, Hudson Lines, Kingsway Camp, Delhi-110019
16. Sh. Ashis Kumar Dutta, Head (Power Purchase Group), NDPL, Corporate Office, Sub-Station Building, Hudson Lines, Kingsway Camp, Delhi-110019
17. Sh. Sunil Kakkar, Asstt. Vice President (PMG), BSES Yamuna Power Ltd., Shakti Kiran Building, Karkardooma, Delhi 110092
18. Sh. Sanjay Srivastava, AVP (PMG), BRPL, Bldg. No. 20, Nehru Place, New Delhi-110019
19. General Manager (Commercial), National Thermal Power Corporation, NTPC NCR Headquarter, Sector-24, Noida, UP-201301
20. DGM(SCADA), Delhi SLDC
21. Manager (SO)-Shift, Delhi SLDC
22. Executive Engineer (SO), NDMC, Minto Road
23. DGM (Metering and Protection), DTL.,Parkstreet,220kV S/Stn., New Delhi
24. Dy.G.M. (Finance)-II, DTL
25. Dy. Manager(F), Comml., DTL, IP Estate, New Delhi-2
26. Manager (T), EA, SLDC
27. Dy. Manager (F), SLDC

Copy for favour of kind information to :

* 1. Secretary, DERC, Viniyamak Bhawan, C-Block, Shivalik, New Delhi-110017
	2. CMD, DTL
	3. Member Secretary, NRPC, **18A, Shaheed Jeet Singh Marg, Opp. Katwaria Sarai, New Delhi-16**
	4. Chairperson, New Delhi Municipal Council, Palika Kendra, Sansad Marg, New Delhi
	5. CEO, BSES Rajdhani Power Ltd, BSES Bhawan, Nehru Place, New Delhi-110019
	6. CEO, BSES Yamuna Power Ltd, Shakti Kiran Building, Karkardooma, Delhi-92
	7. Managing Director, NDPL, 33kV Grid S/Stn, Hudson Lane, Kingsway Camp, Delhi-9
	8. Chief Engineer (Utilities),CWE,MES, Kotwali Road, Near Gopi Nath Bazar, Delhi Cantt New Delhi-110010
	9. Managing Director, Indraprastha Power Generation Company Ltd (Genco) / Pragati Power Corporation Ltd (PPCL), Himadri, Rajghat Power House, New Delhi-110002
	10. Joint Secretary (Power), GNCTD
	11. Director (T), PPCL, Himadri, Rajghat Power House, New Delhi-110002
	12. Director (F), PPCL, Himadri, Rajghat Power House, New Delhi-110002
	13. CEO, Power System Operation Corporation (POSOCO), B-9, Qutub Institutional Area, Katwaria Sarai, New Delhi-110016
	14. Director (Operations), DTL
	15. Director (Finance), DTL
	16. G.M., NRLDC, **18A, Shaheed Jeet Singh Marg, Opp. Katwaria Sarai, New Delhi-16**

****

**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 10.02.2012 at 03.00PM at SLDC to**

**resolve Scheduling and other related issues of 16MW Generating Unit of Timarpur – Okhla Waste Management Company**

Director (Operations), DTL welcomed all delegates and requested for fruitful discussions and decisions to resolve the issues mentioned in the agenda. He requested the representatives of the Generating Station to give brief introduction of the operation of the power station and other salient features

Sh. Neelesh Gupta, Dy. General Manager (Projects) of the Timarpur – Okhla Waste Management Company (TOWMCL) gave a small presentation of the operation of the projects and other salient features. The details are as under :-

In 2005 Govt. of Delhi and ILFS conceived the idea of developing Waste to Energy (WtE)project in Delhi on PPP model (Comply with MSW Rules 2000).

The Project has been developed to prevent dumping MSW at BHATI Mines and aiming for ZERO WASTE CONCEPT. Existing project site at Okhla was an “Open Dump”. Open landfills generate methane gasses, 20 - 25x more global warming potential than carbon dioxide (in the first year of release, methane is 71 times more potent than carbon dioxide as a GHG). SPV “Timarpur Okhla Waste Management Co Pvt Ltd” formed to develop an Integrated MSW Processing Complex at two locations, Timarpur and Okhla.

Public Hearing completed by SPCB on 20th January 2007.

Environmental Clearance granted by MOEF on 21st March 2007 (as per EIA Notification - 2006).

Consent to Establish granted by SPCB on 3rd July 2007.

All permits in name of “Timarpur Okhla Waste Management Co Pvt Ltd.

After EC, the project was put through competitive bidding process.

JITF Urban Infrastructure Ltd won the bid for the project on BOOT basis. Efficacy of the pollution control system has done by PDIL (Project Development India Limited). Consent to operate and MSW authorization awarded by DPCC on 21st Dec.2011.

MSW received from 23rd Dec’11 for testing of grab cranes, Preprocessing / RDF section. Waste receiving stopped on 2nd Jan’12.

Testing of Boiler – stoker combination completed from 2nd to 4th Jan’12, also to complete steam blowing as part of the testing and pre-commissioning process.

Testing of flue gas cleaning system.

Testing of Water treatment plant.

Steam rolling of Turbine.

Testing of Ash Handling system.

BRPL charged the facility switchyard on 17th Jan’12 (at 66kV Jasola Sub-station on 33kV Bus). MSW receiving commenced again from 17th Jan’12. First boiler line tested with MSW for steam blowing & turbine rolling as a pre commissioning process from 20th Jan’12.

Ambient Air Quality monitoring tests and Water Ground Water monitoring test have been completed in accordance with the Consent to Operate.

Emission monitoring is being done by DPCC on a daily basis and on continuous basis through in house Continuous Emission Monitoring System (Yokogawa – Japan).

Inspection by third party accredited agencies have been arranged for in accordance to the Consent to Operate.

An electronic board will be placed at the entrance of the facility which will include details such as combustion process temperature, emissions etc.

Timarpur Okhla Waste Management Co. official website [www.towmcl.com](http://www.towmcl.com) has been updated and will serve as an information platform to openly communicate to the community at large. The site now includes:

\_ Frequently Asked Questions (FAQ). The 30 questions under the FAQ section are based on questions we received from Academia, Scientists and the Media.

\_ Landfill vs.WtE

\_ Incinerators vs.WtE

\_ Climate change and WtE

\_ Other information as required by the community.

Trial run of the WTE facility commenced with successful synchronization to the grid on 27th Jan’12 (11:15 AM). Current MSW processing at the facility approx. 400 tons per day (of which approx.

2/3 is delivered by MCD) Ultimate Renewable energy generation will be approx. 21 MW once all boiler lines are on line. The facility currently is operating one boiler as a trial.

Total energy exported to the Grid 110MWHh since 27th January until 30th January 2012.

MSW Processing & Power Generation with a single boiler line has been discontinued since 3rd Feb’12 in line with recommendation from our TG supplier.

WtE facility is expected to re-commence power generation with two boilers by 15th Feb’12 on trial basis.

Video projections of operation of the project also exhibited.

Director (Operations) extended thanks for the presentation which gave the brief back ground of the inception of the station and its operation for the benefit of all.

After the presentation, the issues were taken up for discussions.

List of the participants is enclosed as Annexure-A.

**1 Status of the Station**

Considering the Regulations of Central Electricity Regulatory Commission issued on 06.02.2012 with regard to Terms and Conditions for Tariff Determination from Renewable Sources, it was confirmed that the generation from the station falls under the category of Renewable Energy (refer 2.1(v)) as the fuel is Urban and Municipal Waste.

**2 Whether the station “Must Run” and subjected to UI.**

Referring to the Regulation 11(i) of CERC - all renewable energy power plants except for biomas power plants with installed capacity of 10MW and above and non fossil fuel based co-generation plant, shall be treated as Must Run power plants and shall not be subjected to `Merit order dispatch principles’.

The general view was that though it is a “Must Run” plant, the scheduling and dispatch of electricity for the station should be applied as per the provisions of Indian Electricity Grid Code. The representative of generating plant was vehemently protesting against to bring the plant under UI regime as the Calorific Value of the ingredients and thereby predication of the generation is impossible for such types of plants. He requested SLDC to consult other LDCs in this regard. the representatives of Distribution Licensees were of the view that the position of Delhi was different in view of different Discoms & Gencos and operation of Intrastate ABT. In many of the states, Intrastate ABT is yet to be introduced.

**Chair advised SLDC to get knowledge from other states in this regard.**

**3 Whether the scheduling responsibility should be undertaken by SLDC.**

SLDC was of the view since the output of the plant is physically delivered on 33kV bus of 66kV Jasola Grid S/Stn. of BRPL, it should be treated as embedded generation within a Distribution Company, hence Area Load Despatch Center (ALDC) of the BRPL should undertake the responsibility of scheduling and accounting of energy for better operational coordination with the generating station.

All Distribution Licensees were of the view that since the statute has not conferred any authority to undertake such activities to ALDCs of Distribution Company for generation certification and other related issues, SLDCs and RLDCs are the only competent authorities.

**4 Metering Issues**

It was confirmed that all the commercial meters have been sealed in presence of DTL being the STU in the State. The meters are ABT compliant.

**5 Online data connectivity with SLDC.**

SLDC intimated that as per the CEA Regulations on connectivity, it is mandatory for all generators to provide the online data communication to SLDC. The generating plant representative was of the view that such stipulation is not applicable to Renewable sources. The representative of Distribution Licensees mentioned that as per the provisions of Indian Electricity Grid Code, Regulations, the station has to provide data communication upto the nearest STU Sub-Station (i.e. 220kV Sarita Vihar in this case) and after that is the responsibility of STU / SLDC to bring the data to SLDC Control Room. Delhi Electricity Grid Code also stipulates the same provisions.

**Chair advised the generating plant to provide the online data connectivity to SLDC for efficient monitoring and to meet the mandatory requirements.**

**6 Open Access issues.**

Generating Plant representatives informed that they are entitled to sell excess generation over and above 50% of the capacity of the plant to other utilities for its captive use as Jindal Power Ltd. is the promoter of the plant and has the various types of industries across the country.

It was further clarified that the entire output of generation will first be given to BRPL and would be treated as banked energy over and above 50% of the capacity which is required to be disposed off within 60 days. On the query of the status when the plant is not working, the representative was of the firm view that once the energy is banked, BRPL is obliged to supply the open access quantum. This provision was objected by BRPL representative as such provisions are not available in PPA and further not feasible in Intrastate ABT operations.

SLDC was of the view that once the power is transacted under open access, the plant would be subjected to UI.

Generator was of the view that if UI is imposed on them, it should be restricted upto the quantum of open access. SLDC and other Distribution Licensees were on strong view that such provisions can not be implemented on peace meal method as Intrastate ABT is comprehensive tariff package including schedule drawal and schedule injection.

Since no consensus was emerged, Chair advised BRPL and Generating Company to sit together and find an amicable solution to resolve the issue with regard to banking of energy over and above 50% of the capacity of Station. It was also decided to convene the next meeting at site to resolve the issues.

**It was also suggested that till the issues are resolved, the generation occurring form the station should be treated as “infirm” power and charged at the rate of UI Charges.**

**7 Other items discussed with the permission of the chiar.**

Representative of Bawana CCGT informed that the State Government has decided that the 10% of capacity available with Bawana CCGT has been allocated to BYPL, BRPL and NDPL to the 27.24%, 43.58% and 29.18% respectively.

He further clarified that the decision was communicated by the State Government vide letter no.F.11(34)/2005/Power/Pt-1/508 dated

The same has been forwarded to SLDC and Discoms.

He requested SLDC to schedule power as per the decision of the State Government. He emphasized that the allocation of Merchant Power has been done by the State Government based on the DERC order dated 31.03.2007 in the matter of re-assignment of PPAs.

The representatives of Distribution Licnesees who have been allocated the Merchant Power opinioned that the scheduling considering the allocation of Merchant Power should be done by SLDC only after getting the consent of Discoms for which they requested PPCL to officially communicate the decision of State Government regarding allocation of Merchant Power.

The decision of allocation of Merchant Power has been communicated only to PPCL and SLDC. The representative of BSES Utilities informed after getting the formal offer they have to put in case to their respective Baords for giving their consent for availing additional power from PPCL.

NDPL representative also informed that the proposal has to be put up before their management for getting the approval for availing the entire allocation from the station.

The representatives of Distribution Licensees reminded PPCL that the PPCL has already obtained the Open Access of CTU i.e. PGCIL for transfer of Merchant Power of Bawana CCGT outside the State. The Open Access has since been granted to PPCL from July 2010 for 25 years. Looking into the present decision of State Govt. regarding allocation of Merchant Power, CTU should immediately be informed to relieve the quantum of Open Access already been granted so that others can utilize the same.

SLDC representative informed that after the allocation of Merchant Power, the revised allocation from Bawana CCGT would be as under :-

|  |  |  |
| --- | --- | --- |
| **S. No.** | **State** | **With merchant power** |
| **In percentage** | **In MW** |
| 1 | Delhi  |   |   |
| BRPL | 30.888 | 423.55 |
| BYPL | 19.304 | 264.72 |
| NDPL | 20.688 | 283.69 |
| NDMC | 7.300 | 100 |
| MES | 1.820 | 25 |
|  | **Total**  | **80.00** | **1096.96** |
| 2 | Haryana | 10 | 137.12 |
| 3 | Punjab  | 10 | 137.12 |
|   | **Total**  | **100** | **1371.20** |

It was however, decided to schedule the power as per the revised allocation after getting the consent from Distribution Licensees.

**Annexure-A**

**The list of the officers attended the meeting held at SLDC on 10.02.2012 resolve Scheduling and other related issues of 16MW Generating Unit of Timarpur – Okhla Waste Management Company**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. N.** | **Name**  | **Designation** | **Utility** | **Mobile no.** |
| 1 | Sh. A.K. Haldar | Director (Operations)-Chair | DTL | 9650992550 |
| 2 | Sh. Roop Kumar | G. M. (SLDC) | SLDC | 9999533629 |
| 3 | Sh. V.Venugopal | Dy.G.M. (SO) | SLDC | 9871093902 |
| 4 | Sh. Darshan Singh | Manager (SO) | SLDC | 9999533837 |
| 5 | Sh. Sanjeev Kumar | AM(T), System Operation | SLDC | 9999533917 |
| 6 | Ms. Sonali Garg | AM(T), SO | SLDC | 9999533898 |
| 7 | Sh. Deepak Sharma | AM(T), system Operation | SLDC | 9999535008 |
| 8 | Sh. Ajay Kumar | VP (PP & NN) | BRPL | 9350683910 |
| 9 | Sh. Sanjay Srivastav | Asstt. VP | BRPL | 9312147045 |
| 10 | Sh. P. Mittal | G.M. (Project) | JiTF | 9540952311 |
| 11 | Sh. Neelesh Gupta | Dy.G.M. (Project) | TOWMCL | 9873930842 |
| 12 | Sh. Shivanand | Manager (Elect.) | Jindal Eco | 9540952302 |
| 13 | Sh. Shashwat Srivastava | Executive  | TPDDL | 9650083985 |
| 14 | Sh. Ashis Kumar Dutta | A.G.M. | NDPL | 9871798566 |
| 15 | Sh. A.K. Jha | Manager (T) | PPCL | 9717694790 |
| 16 | Sh. R.K. Yadav | Manager (Commercial) | PPCL | 9717694845 |
| 17 | Sh. Nitesh Verma | AM (F&E), P-III,Bawana | PPCL | 9717694883 |
| 18 | Sh. Haridas Maitry | Sr. Manager  | BYPL | 9350110156 |
| 19 | Sh. Dinesh Singh | Mgr (T), Planning | DTL | 9999533680 |
| 20 | Sh. Brijesh Kumar  | Asstt.Mgr (Metering) | DTL | 9999533825 |
| 21 | Sh. Bharat Singh | AE(CC) | NDMC | 9818994877 |
| 22 | Sh. S.K. Agarwal | JE(M) | NDMC | 9868347939 |
| 23 | Sh. S.K. Nagaria | O.S. (Power Deptt) | GNCTD | 9810417317 |