



# दिल्ली ट्रांस्को लिमिटेड DELHI TRANSCO LIMITED

पंजीकृत कार्यालय : शक्ति सदन, कोदला रोड, न्यू दिल्ली-110002  
(Regd. Office Shakti Sadan, Kotla Road, New Delhi-110002)

कार्यालय ँबंधक (एस.ओ.)

Office of Manager (Energy Accounting)

एस एल डी सी ँडिंग, ँंटो रोड, न्यू दिल्ली-110002

SLDC Building, Minto Road, New Delhi-110002

Ph: 23221149 FAX No.23221012

No. F./DTL/207/DGM(SO)/16-17/

Dated : 13.01.2017

**Subject : Minutes of the Meeting held on 10.01.2017 at 03:00 PM at SLDC to resolve Scheduling issue of M/s Delhi MSW solutions Ltd.**

Dear sir

The copy of the Minutes of the Meeting held on 10.01.2017 at 03:00 PM at SLDC to resolve Scheduling issue of M/s Delhi MSW solutions Ltd. 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,

Yours faithfully

Encl. As above

(NAVEEN GOEL)  
Manager (Energy Accounting)

List of addresses

1. Executive Director(Engg.), DERC, Viniyamak Bhawan, Shivalik, New Delhi-17
2. Executive Director (Tech), DTL, Planning Department, Jhandewalan, Delhi
3. General Manager (O&M)-I, DTL, Parkstreet, 220kV S/Stn, New Delhi
4. General Manager (O&M)-II, Jhandewalan, New Delhi
5. Chief General Manager, Badarpur Thermal Power Stn., Badarpur, New Delhi-44
6. General Manager (C&RA), DTL
7. General Manager, SLDC, Delhi
8. CWE (Utilities), MES, Delhi Cantt., New Delhi-110010
9. Sh. Jype Geoge, Project Head DMSWL, Sector-5, PocketN-1, Bawana Industrial area, Behind Pragati plant, Bawana, New Delhi-110039
10. Vice President, System Operation, BSES, Balaji Estate, Kalkaji, New Delhi
11. Director (Comml.), NDMC, Palika Kendra, New Delhi-110001
12. Sh. Ashis Kumar Dutta, Head (Power Purchase Group), TPDDL Corporate Office, Sub-Station Building, Hudson Lines, Kingsway Camp, Delhi-110019
13. Sh. Sunil Kakkar, Head (PMG), BSES Yamuna Power Ltd., Shakti Kiran Building, Karkardooma, Delhi 110092
14. Sh. Sanjay Srivastava, AVP (PMG), BRPL, Bldg. No. 20, Nehru Place, New Delhi-19
15. General Manager (Commercial), National Thermal Power Corporation, NTPC NCR Headquarter, Sector-24, Noida, UP-201301
16. DGM(SCADA), Delhi SLDC

17. Dy. G.M. (System Operation), SLDC
18. Manager (SO)-Shift, Delhi SLDC
19. Executive Engineer (SO), NDMC
20. DGM (Metering and Protection), DTL.,Parkstreet,220kV S/Stn., New Delhi
21. Dy.G.M. (Finance)-II, DTL
22. Asstt. Manager(F), Comml., DTL, IP Estate, New Delhi-2
23. Asstt. Manager (F), SLDC

Copy for favour of kind information to :

1. Secretary (Power), Govt. of NCT of Delhi
2. Secretary, DERC, Viniyamak Bhawan, C-Block, Shivalik, New Delhi-110017
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, TPDDL, 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. Special 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. Managing Director, DTL
15. Director (Operations), DTL
16. Director (Finance), DTL
17. 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 Manager (Energy Accounting)]

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**Sub. : Minutes of the Meeting held on 10.01.2017 at 03:00 PM at SLDC to resolve Scheduling issues of M/s Delhi MSW solutions Ltd.**

GM(SLDC) welcomed all delegates and explained the reasons for calling this meeting. It was explained that M/s DMSW Solution Ltd.(WTE) vide their letter No. DMSW/16-17/06 dated 08.01.2017 intimated that 12MW out of 24MW Waste to Energy Plant at Bawana is ready for commercial cooperation w.e.f. 0:00 Hrs. on 10<sup>th</sup> January, 2017. They further informed that full capacity would be declared under Commercial Operation by the end of January 2017 after fine tuning of the 2<sup>nd</sup> boiler.

GM(SLDC) read the provisions of IEGC Regulations and DERC Tariff Regulations etc. with regard to declaration of Commercial Operation of generating stations. The relevant provisions are given hereunder:-

**IEGC Regulations 2010 (as per IV amendment dated 29.04.2016)**

**6.3A Commercial Operation of Central Generating Stations and inter-state generating stations.**

**1** *Date of commercial operation in case of a unit of thermal Central Generating Stations or inter-State Generating Station shall mean the date declared by the generating company after demonstrating the unit capacity corresponding to its Maximum Continuous Rating (MCR) or the Installed Capacity (IC) or Name Plate Rating on designated fuel through a successful trial run and after getting clearance from the respective RLDC or SLDC, as the case may be, and in case of the generating station as a whole, the date of commercial operation of the last unit of the generating station:*

*Provided that*

*(i) Where the beneficiaries / buyers have been tied up for purchasing power from the generating station, the trial run of each repeat of trial run shall commence after a notice of not less than seven days by the generating company to the beneficiaries / buyers and concerned RLDC or SLDC, as the case may be.*

*(ii) Where the beneficiaries / buyers have not been tied up for purchasing power from the generating station, the trial run or each repeat of trial run shall commence after a notice of not less than seven days by the generating company to the concerned RLDC or SLDC, as the case may be.*

### **Trial Run**

- 3 Trial Run or Trial Operation : Trial Run or Trial Operation in relation to a thermal Central Generating Station or inter-State Generating Station or a unit thereof shall mean successful running of the generating station or unit thereof on designated fuel at Maximum Continuous Rating or Installed Capacity or Name Plate Rating for a continuous period of 72 hours and in case of a hydro Central Generating Station or inter-state Generating Station or a unit thereof for a continuous period of 12 hours:

### **Generation Tariff Regulation of DERC (Multi Year Tariff Regulations 2011)**

- (0) "Date of Commercial Operation" or COD in relation to a unit or block of the thermal generating station, the date declared by the generating company after demonstrating the maximum continuous rating (MCR) or the installed capacity (IC) through a successful trial run after notice to the beneficiaries, from 0000 hour of which scheduling process as per the Indian Electricity Grid Code (IEGC) is fully implemented and in relation to the generating station as a whole the Date of Commercial Operation of the last unit or block of the generating station;

G.M. (SLDC) intended to know whether the above provisions are complied before declaring the commercial operation. It was also explained since the COD has been declared, the scheduling methodology of station is required to be finalized.

On behalf of DMSWL, Sh. Shastri, AVP thanked GM(SLDC) for convening the meeting and also thanked all the delegates to attend the meeting in such a short notice to resolve the issue. He requested the forum to resolve the issue as they are running the system for the last six months for stabilization and injected about 60 lakh units in the system without getting any money. He informed that now one unit of 12 MW is stable and ready for COD and requested to accept the COD from 00.00hrs. on 10.01.2017.

List of the participants is enclosed as Annexure-A.

The issues discussed and decided are as under:-

The representative of TPDDL drew out the attention of the house regarding decision taken in the Long Term Open Access Meeting held in the office of GM(Planning), DTL on 16.06.2016, wherein the representative of Generating Company was also a signatory. He read the point wise paras of the joint minutes of the said meeting as under:-

- 1 **Tariff Policy notified by Central Govt. on 28.01.2016 stipulates**  
"Distribution Licensee(s) shall compulsory procure 100% power produced from all Waste-to-Energy Plants in the State, in the ratio of the their procurement of power from all sources including their own , at the tariff determined by the appropriate Commission under Section 62 of the Act"
- 2 Based on the above mentioned Tariff Policy, DERC vide order dated 29.04.2016 fixed the allocation of the station to various Distribution Licensee(s) of Delhi as under:-

Discoms	Approved Energy Input for FY 2013-14 (MUs)	Percentage	Allocation in MW
BRPL	11508.8	41.81	10.03
BYPL	6577.38	23.90	5.74
TPDDL	8039.94	29.21	7.01
NDMC	1400.02	5.09	1.22
Total	27526.14	100.00	24

3 Since this generating station's allocation is done on same pattern as that of Centre Sector Generating Stations and as that of State Sector Generating Stations and all these stations allocation were taken as deemed Open Access, this generation station should also be treated at par with those stations and hence no separate application for Open Access is required.

4 All the Distribution Licensee(s) were having the view that the schedule should be given on day ahead basis as per the DERC / CERC Regulations (RE Regulation Amendment -IV) notified on 07.10.2015 which stipulates the following :-

11 The Municipal Solid Waste and Refuse Derived Fuel based power project shall be treated as 'Must Run' power plants and shall not be subjected to 'merit order despatch' principle.

12 "The biomass power generation station with an installed capacity of 10MW and above, non-fossil fuel based co-generation projects, municipal solid waste and refuse derived fuel shall be subjected to scheduling and despatch code as specified under CERC (Indian Electricity Grid Code) Regulations 2010 and Central Electricity Regulatory Commission (Unscheduled Interchange and related matters) Regulations 2009 including amendments thereto"

5 It is also confirmed by DERC in its order dated 19.05.2016 that CERC regulations would be followed in toto. Their relevant portion of the order is appended under:-

In exercise of power vested under sub-section(zd) (ze) and (zf) of section 181(2) read with Section 61, 62 and 86 of Electricity Act 2003 (36 of 2003) and all power enabling it in that behalf, the Delhi Electricity Regulatory Commission for the purpose of specifying terms and conditions for Tariff determination from Renewable Energy Sources in respect of Municipal Solid Waste (MSW) till further orders, adopts the Central Electricity Regulatory Commission (Terms and Conditions for Tariff determination from Renewable Energy Sources) Regulation 2012 (notified vide Notification No. L-1/94/CERC/2011 dated 06.02.2012) as amended time to time.

6 The representative of Generator informed that they are approaching DERC for waiving off the day ahead Scheduling and subsequent DSM. Hence, the actual generation should be treated as scheduled generation since the Municipal Solid Waste (MSW) characteristics varies time to time and may not be predictable.

7 It is clarified that till any decision of DERC in this regard, the existing Regulation/s will prevail.

8 TPDDL requested DTL to incorporate the accounting methodology in respect of drawl of power from 220kV DSIIDC Bawana Grid substation of DTL by TPDDL. they requested that the total drawl of TPDDL from this grid should be treated as sum of total 220kV side of all the 220/66kV

*ICTs along with injection / drawal of generator connected in 66kV Bus of the grid should be properly accounted i.e. meter reading of generator is to be added if generator is injecting to grid and subtracted if generator is drawing power from Grid. STU & SLDC agreed with the above view of TPDDL and mentioned that similar methodology should be adopted for all similar generators connected to STU network.*

He was of the view that any deviation on above terms and conditions would be the violation of terms and conditions of Long Term Open Access and respective Rules & Regulations. The other Stake-Holders were also of the same opinion.

The representative of Generating Co. requested again that the actual generation should be treated as scheduled generation since the Municipal Solid Waste (MSW) characteristics time to time and may not be predictable. They have also approached the State Regulatory Commission to waive off the scheduling of this power and subsequent DSM. They also cited the example of Timarpur Okhla Waste Management Plant (TOWMCL) wherein the scheduling was waived off and actual generation was taken as scheduled generation.

The representative of TPDDL responded that plant TOWMCL was commissioned in the year 2012 and at that time, there was no regulation for such plants. However, he drew attention that the power being sold through open access by TOWMCL is being scheduled. NDMC representative also seconded the opinion of TPDDL.

TPDDL representative further drew the attention of para 3 of the order of DERC dated 27.07.2016 in Petition No.27/2016 of the Generating Company as follows:-

3. *As regard the first prayer, the Commission vide interim order dated 29.04.2016 had directed the DISCOMs of Delhi to execute PPA s for Purchase of Power in Proportion to the power purchase ratio amongst the DISCOMs. The Petitioner was directed to file draft PPAs with respective DISCOMs. The Petitioner has since submitted draft PPAs to be signed with respective DISCOMs. However, certain terms like scheduling of power etc. have not been agreed to between the parties and the petitioner has requested the Commission to finalize the terms of PPAs. The Respondents have raised the objection that the Commission may approve or disapprove or modify the agreed terms of PPA but cannot determine the terms of PPA. The parties have been asked to file their written submission vide Interim Order dated 26.07.2016. Accordingly, the issue of terms of PPA shall be considered separately.*

To a query of need of declaration of COD before finalising the PPA, the representative of MSW informed that the National Green Tribunal vide their order dated 2<sup>nd</sup> December, 2016 had directed that the Waster-to-Energy plants operating in Delhi to operate with full capacity at the earliest. The relevant portions of the said order are as under :-

1. *We direct all authorities concerned to ensure that the waste to energy plant at Narela and Ghazipur operate to their optimum capacity in accordance with law, in terms*

- of the conditions of consent to operate order granted and the environmental clearances.
2. All the Local Authorities and the Development Authorities shall ensure that segregated municipal solid waste is supplied to the waste to energy plants in Delhi in accordance with terms and conditions of their Agreement.
  3. The plant at Ghazipur is presently receiving only 1000 MT of mixed municipal solid waste out of which 200 metric tons is excluded as inert and Construction and Demolition debris (in short 'C&D') waste thus, leaving 800 MT of mixed waste to be processed in the plant for generation of energy. This plant is capable of manufacturing Refuse Derived Fuels (in short 'RDF') and then use the same for marketing purposes or entirely and partly for generation of energy within the plant. We direct East Delhi Municipal Corporation to supply immediately, at least 1500 MT, of municipal solid waste, out of which upon exclusion of segregated inert and C&D waste, at least 1300 MT of waste should be available to the plant for the purpose of manufacturing of RDF and generation of energy. The plant in terms of consent to operate can process 1300 MT of municipal solid waste while it has a capacity of 2000 MT of waste.
  4. We grant liberty to the plant owner to approach Delhi Pollution Control Committee for operating with increased capacity of 2000 MT. If such an application is filed, the Delhi Pollution Control Committee shall dispose it with utmost expeditiousness, in any case, not later than two months from the date of filing of such application, in accordance with law.
  5. The C&D waste plant at Shastri Park is ready to operate, in all respect. We direct the Project Proponent to approach all the concerned Authorities and complete all the requirements of law including consent to operate and Environmental Clearance, if required. All the authorities concerned including Delhi Pollution Control Committee and NCT, Delhi shall fully cooperate and ensure that this plant becomes operative at the earliest, in any case, not later than six weeks from today.
  6. We make it clear that we are not issuing directions to any Authority to grant consent/permission if the plant is not entitled to perform in accordance with law.
  7. The plant at Narela is a kind of self-contained plant as it has its own landfill site adjacent to its premises to dump inert waste. It is the exclusive responsibility of the Project Proponent. It has a capacity of 2000 MT/day processing of municipal solid waste and it is presently receiving 2000 MT of municipal solid waste. Out of this, as already noticed, the plant is getting about 20% of inert and C&D waste which leaves the plant with approximately 1600 MT of municipal solid waste. Thus, we direct the Corporation to permit the Project Proponent to

collect waste to the extent of 2400 MT/day so that it can operate to its optimum capacity after segregating inert and C&D waste. The Corporation and the Project Proponent is ad idem that the Delhi Electricity Regulatory Commission has fixed tariff of power charges @ 7.43% per unit. Furthermore, revenue sharing shall be effective between the parties @ 3% but from the date they commission generation of power. This, however, is an interim direction without prejudice to the rights and contention of the parties. Under the agreement between the parties dated 17th July, 2009, clause 12.2 is the arbitration clause for resolving dispute between the parties. The Project Proponent or the Corporation, as the case may be, are at liberty to invoke arbitration proceedings in accordance with the agreement and the rate and date both for revenue sharing would be fixed by the arbitrator and the parties would be entitled to proceed with reference to the interim directions issued by the Tribunal above.

8. The Project Proponent shall start revenue sharing with the Corporation from the date on which plant is commissioned i.e. energy is generated and sold but it will be subject to final award of the arbitration. The Delhi Electricity Regulatory Commission shall deal with the matters of approval of power purchase agreement with utmost expeditiousness, with respect to generation of power and its sale.
9. We expect both these plants to operate to their optimum capacity without causing any pollution either in their process or through their emissions. They shall operate strictly as per the prescribed norms in relation to ambient air quality, stack emissions provided under the Air Act and collect and dispose of waste strictly in terms of Solid Waste Management Rules, 2016.
10. In the event, they are found at default at any one point of time, they shall be liable to pay environmental compensation of Rs. 5 Lakh for each default. The default would be determined by the joint inspection team that we will constitute under these directions.
11. The joint inspection team shall consist of Member Secretary, Central Pollution Control Board; Member Secretary, Delhi Pollution Control Committee; Senior Scientist from Ministry of Environment, Forest and Climate Change and a member of faculty nominated by the Director, I.I.T., Delhi.
12. The Okhla plant shall continue to operate but it would be subject to the orders of the Tribunal that may be passed in Original Application No. 22 of 2013.

The representative of Generating Plant further requested till the terms of PPA are determined by DERC, actual generation be taken as the scheduled generation.



The representative of DERC intimated that the Commission vide order dated 18.05.2015, the UI and Transmission charges on renewable energy resources have been waived off, hence the request of MSWø can be acceded to. He also quoted the relevant provisions of the order of the Commission.

**DERC order dated 24.12.2013 In the matter of: Determination of Transmission and Wheeling Charges, Cross Subsidy Surcharge, additional surcharge and other applicable charges under Open Access**

**3(xii) Renewable Energy Sources :**

**Commission's View:-**

*The Commission is of the view that no UI, wheeling, transmission charges or additional surcharge should be applicable on open access consumers availing energy from all renewable energy sources as defined by MNRE in Delhi. However, open access consumers shall comply with DERC Regulations on RPO and roof top solar.*

**DERC order dated 18.05.2015 in the matter of: Determination of Transmission and Wheeling Charges, Cross Subsidy Surcharge under Short Term Open Access.**

*(xii) The word consumer shall be replaced with Customer (buyers and sellers) in the clause. 12(2) viii of the order.*

The representative of SLDC opined that the provisions quoted by DERC representative are applicable for Short Term Open Access. M/s DMSWL connected to grid as Long Term Open Access Customer and as per provisions of DERC order 24.12.2013, the UI / DSM accounts shall be prepared for LTA customers. The relevant provisions of Commissionø order is reproduced below :-

**DERC order dated 24.12.2013 In the matter of: Determination of Transmission and Wheeling Charges, Cross Subsidy Surcharge, additional surcharge and other applicable charges under Open Access**

**5 Commercial Condition**

*SLDC shall issue an energy account, statement of UI corresponding UI charges and reactive energy and its charges, on the basis of data received from ABT meters along with data relating to declared capability and schedules etc. in accordance with the provisions of DERC Order dated 31.03.07 (the ABT Order) passed in matter of Availability Based Tariff and as amended from time to time.*

The representatives of the beneficiaries opined that specific direction of the Commission may be issued regarding waiver of DSM and requested the Commission to issue an order in this regard and approval of the PPA at the earliest.

**Decision**

After detailed discussions, it was decided that as the interim tariff (at the rate of Rs.7.03 per kwh) of the station has been fixed on the basis of the parameters and the

benchmark as per CERC Regulations, the existing Regulations of CERC in this regard may be adopted. As such, the plant would give the declared capacity on day ahead basis as well as during the intraday depending upon the operating condition of the plant which would be treated as scheduled generation as the plant is ~~Must Run~~ plant and would not be subject to merit order despatch.

The DSM account of the plant would be kept pending till the decision of the Commission. It is expected that Commission would come up with a decision on rate of DSM for the plant and other terms and conditions of PPA. In case Commission waived off the DSM for the station, the Energy Account shall be issued for actual generation. It was also decided to accept the request of M/s Delhi MSW Solution Ltd. to declare the 12MW capacity out of 24MW Installed Capacity on Commercial Operation since 00.00hrs. on 10.01.2017.

Meeting ended with the thanks to Chair.

**Annexure-I****The list of the participants attended the meeting held on 10.01.2017**

<b>S. No.</b>	<b>Name</b>	<b>Designation</b>	<b>Utility</b>	<b>Mobile no.</b>
<b>1</b>	Sh. V. Venugopal	General Manager (SLDC)-in Chair	SLDC	987
<b>2</b>	Sh. S.K. Sinha	Dy.G.M.(System Operation)	SLDC	9999533673
<b>3</b>	Sh. Ashis Kr. Dutta	AGM	TPDDL	9871798566
<b>4</b>	Sh. Iype George	G.M.	DMSWSL	9599196831
<b>5</b>	Sh. B. Prasad Reddy	DGM	DMSWSL	9963102111
<b>6</b>	Sh. Madan Pal	Executive Engineer	NDMC	9868115524
<b>7</b>	Sh. R.K. Yadav	AGM (Commercial)	IPGCL-PPCL	9717694845
<b>8</b>	Sh. Amar Jyogi Badgaiyan	Mgr (Commercial)	IPGCL-PPCL	9717698232
<b>9</b>	Sh. Shrryans Naval	Sr. Manager (PMG)	BRPL	9312518646
<b>10</b>	Sh. Shekhar Saklani	Manager	BYPL	8010618252
<b>11</b>	Sh. Abhishek Moza	Deputy Secretary	DERC	9899971230
<b>12</b>	Sh. Manana Gupta	Engineer	BRPL	9868070907
<b>13</b>	Sh. Surender Kumar	DM(T)	IPGCL	971769494
<b>14</b>	Sh. Naveen Goel	Manager (EA)	SLDC	9999533950
<b>15</b>	Sh Deepak Sharma	Asstt. Manager (EA)	SLDC	9999535008