

ALL INDIA POWER ENGINEERS FEDERATION



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No. 22 - 2022 / Adani Power in Haryana

24-04-2022

Shri. R.K. Singh,
Minister of Power,
Govt. of India,
Shram Shakti Bhawan, Rafi Marg,
New Delhi – 110001

Sub: PPA between Adani Power and Haryana Discoms for supply of 1424 MW over 25 years.

Respected Sir,

On 20/08/2008 the PPA was signed between Adani Power & Haryana Discoms, UHBVN and DHBVN for supply of 1424 MW from Adani / Mundra project, units 7, 8, 9 (660 MW each) for 25 years. This power was to be delivered at the supply point, 400 kV substation Mohindergarh (near 400 kV grid substation Bhiwani). The power from Mundra units 7,8 and 9 was to be delivered through the HVDC line, Mundra – Mohindergarh. The power was to be delivered over a period of 25 years. However, Adani Power has stopped the supply of contracted power by claiming that the units 7,8 and 9 have become non – viable w.e.f. 06/05/2021 (Unit 7); 04/07/2021 (Unit 8); and 25/08/2021 (unit 9). There was no provision in the PPA to discontinue the power supply on the grounds of Unit / Units becoming **“Non Viable”**. The discontinuation of 1424 MW contracted power has created a serious power shortage crisis in Haryana. The Haryana Power Purchase Centre has filed a petition before the HERC on 06/04/2022, Annexure-1 where the non supply of contracted power from Units 7,8 and 9 is the starting point of the petition. The petition is for seeking permission of the HERC for power purchase on medium term basis for three years, as a result of the power shortage. The starting point of the petition is quoted as under.

Sr. no.	Name of Plant	Capacity in MW	Reason
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1	Adani	1424	Adani Power has expressed the non –viability of unit no. 7,8 and 9 on 06/05/2021, 04/07/2021 and 25/8/2021 respectively.
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2. As per the Monthly Energy Accounts issued by NRPC, the monthly supply of energy in LUs from Adani stage -3 to Haryana for the year 2021-22 are tabulated as under.

Monthly Energy Supply, NRPC figures, Adani Stage-3 to Haryana, LUs

	LU	Avg MW
April 2021	9423.10848	1309 MW
May 2021	6688.09368	899 MW
June 2021	3745.64002	520 MW
July 2021	3078.23318	414 MW
August 2021	2531.25078	340 MW
September 2021	0	
October 2021	0	
November 2021	0	
December 2021	0	
January 2022	0	
February 2022	0	
March 2022	0	

3. The HVDC line was constructed by Adani so as to deliver the power generated at units 7,8 and 9 to the delivery point at Mohindergarh 400 kV substation in Haryana. However, this HVDC line is connected to the Western Region Grid at Mundra and to the Northern Region Grid at Mohindergarh and the HVDC line is capable of power transfer in either direction, from Mundra to Mohindergarh or in the other direction from Mohindergarh to Mundra even if the units 7,8 and 9 are non generating (in shut down condition). As a result it can be stated that even though Adani may have shut down the three units at Mundra by 25/8/2021, the power flow on the HVDC line can still take place as per the grid conditions.

4. The daily energy flow between Mohindergarh and Mundra for the months of January 2022, February 2022 and March 2022 is in annexures 2,3,4 which shows that power flow on this line is taking place on daily basis in the directions form Mundra towards Mohindergarh.

5. However, in the month of April the direction of power flow reversed and w.e.f. 09/04/2022 the power started flowing from Mohindergarh towards Mundra. The figures for April are tabulated as under.

Daily energy figures on HVDC Mundra Mohindergarh Line as per daily energy data of NRLDC

Mohindergarh - Mundra HDVC			
HDVC	NR	NR	
500 kV Mohindergarh- Mundra	Import MU	Export MU	Net MU
April 20	0	11.68	- 11.68
April 19	0	11.68	- 11.68
April 18	0	11.68	- 11.68
April 17	0	11.68	- 11.68
April 16	0	11.68	- 11.68
April 15	0	11.68	- 11.68
April 14	0	11.68	- 11.68
April 13	0	11.68	- 11.68
April 12	0	11.69	- 11.69
April 11	0	11.68	- 11.68
April 10	0	11.68	- 11.68
April 09	0	4.25	- -4.25
April 08	-	-	-
April 07	-	-	-
April 06	-	-	-
April 05	-	-	-
April 04	3.78	-	3.78

April 03	6.16	0	6.16
April 02	5.92	0	5.92
April 01	6.15	0	6.15

6. Summary / explanation of power flow on HVDC line, Mundra – Mohindergarh during the month of April 2022.

a) There is a power flow from Mundra towards Mohindergarh of about 6 MU per day i.e. about 250 MW as under during period 01 to 04 April 2022

Date	1	2	3	4	5
MU	6.15	5.92	6.16	3.78	0
MW	256	247	257	157	0

The power flow is with Mundra exporting and Mohindergarh importing the MUs as above.

b) During the period 05 April to 08 April there is NIL flow on the Mundra Mohindergarh line.

c) Starting from 09 April onwards the power flow on the HVDC line become reversed and Mohindergarh is exporting power to Mundra which is receiving / importing as under.

Date	9	10	11	12	April, 2022
MU	4.25	11.68	11.68	11.69	Export from Mohindergarh
MW	177	487	487	487	Export from Mohindergarh

7. It is seen that from 9th April onwards, the power is being exported from Mohindergarh and delivered to Mundra through the HVDC line. This reverse flow of power appears as a load of about 487 MW on the Haryana grid and it benefits the Mundra receiving point in Gujarat which receives that power as an import.

8. The purpose of PPA was to deliver 1424 MW to Mohindergarh substation for meeting the load requirement of Haryana. However, it is seen that the HVDC line is now being used to draw about 487 MW Power from Mohindergarh (Haryana) and to deliver that power to Mundra. This would be a major cause for power cuts on the Haryana system since the power is being exported from Haryana and delivered to Mundra/ Gujarat.

9. The issues relating to failure / collapse of PPA and resulting in a reverse flow of power from Haryana to Gujarat needs to be examined in detail, considering the following aspects.

a) As per the energy watchdog judgment of Supreme Court the excuse of increased coal prices and resulting consequence of non viability is not admissible. The action of Adani Mundra to stop the power supply on the grounds of non viability goes against the letter and spirit of the energy watchdog judgment the Supreme Court as well as not permitted under the PPA itself.

b) Even if the units 7,8 and 9 were shutdown, Adani / Mundra could have sourced the power from any other source and supplied it to Haryana at the contracted rate.

c) The present position of reverse flow of power with Haryana exporting about 487 MW and delivering the power to Mundra over the HVDC line is against the letter and spirit of the PPA between Adani and Haryana Discoms.

10. Suggested way Forward

Haryana Discoms /Govt should direct Adani/Mundra to restore power generation at Units 7,8,9 with immediate effect so that contracted power can be delivered to Mohindergarh/Haryana at the rate prescribed in PPA.

11. For the period in which the Mundra Units 7,8,9 remained shutdown the Haryana Discoms should raise a claim on account of non adherence to PPA.

12. Haryana Govt should explain that when PPA envisages an import of 1424 MW at delivery point Mohindergarh, how the power was exported from Mohindergarh Haryana to the extent of 487 MW and delivered to Mundra totally against the PPA.

13. The Haryana Govt owes an explanation to the electricity consumers and public of Haryana who had to suffer hugely because of power cuts resulting due to supply of 487 MW from Haryana to Gujarat.

14. The Petition dated 6-4-2022 was filed by HPPC before HERC to allow extra power purchase due to shortage created by

- Non supply of 1424 MW by Adani/Mundra
- Non supply of 380 MW by CGPL Mundra (Tata Power).
- Non supply of 432W by NTPC Faridabad Gas power Station (gas not available)
- Outage of 600 MW unit at Khedar/Hisar thermal power station dueto major fault

14.1 HPPC should clarify that when the petition before HERC lists out emergency type shortages totaling 2836 MW then there was no scope to EXPORT a further 487 MW . Whether the HERC permission was obtained to export 487 MW which was not envisaged in PPA either.

15. The other aspect to be examined is that who is to watch the consumer interest. Thus in a situation when 487 MW is exported to Gujarat and extra power cuts of the order of 500 MW have to be imposed in Haryana then there is no authority to watch public interest.

With Regards.

Sincerely Yours

Shailendra Dubey

Chairman

Copy:

1. Honourable CM Haryana, Chandigarh.
2. Niti Aayog, New Delhi.
3. Chairman, Central Electricity Authority, New Delhi.
4. HPPC, Panchkula.