Delhi Electricity Regulatory Commission

Viniyamak Bhawan, 'C' Block, Shivalik, Malviya Nagar, New Delhi – 17.

F.17(17)/Engg./DERC/2016-17/5645

In re: Procedure for billing in case of procurement of power from multiple sources

ORDER

(Date of Order: 7.12.2017)

In exercise of powers vested under Regulation 17 of Delhi Electricity Regulatory Commission (Terms and Conditions for Open Access) Regulations, 2005, the Delhi Electricity Regulatory Commission hereby issues the following Order to prescribe the procedure for billing in case of procurement of power from multiple sources, which includes mix of conventional and renewable sources of power.

1. Billing in case of procurement of open access power from multiple sources:

The charges for procurement of open access power from multiple sources shall be computed as per the provisions of Open Access Order dated 1.6.2017 applicable for power procured from each source. However, where the total actual drawl of power by open access consumer is less than the total quantum scheduled through multiple sources, the quantum of power actually drawn from each source shall be on pro-rata basis in the ratio of their scheduled quantum and the open access charges shall be computed as per their applicability. An illustration for computation of such charges is attached as **Annexure-I.**

Sd/-
(B. P. SINGH)
MEMBER

Annexure-I

Case-I:

When actual drawl of OA consumer is more than OA quantum scheduled through multiple source:

S. No.	Description	Quantum (in MW)
1.	Sanctioned contracted demand (in MW)	5
2.	Opt for OA quantum through multiple source (in MW)	3
3.	Schedule of Power (in MW) (assuming same approval in conditional consent form 5B)	
	(i) Renewable source (in MW), not being captive	2
	(ii) Exchange/Conventional source (in MW)	1
4.	Total open access schedule (Sr. No. 3(i)+ Sr. No.3(ii))	3
5.	Admissible drawl with DISCOM (in MW)	2
6.	Actual drawl by OA consumer (in MW)	3.6
7.	Say RPO Target	11.5%

S. No.	Applicability of Open Access charges	Reference	Quantum in MW	Remarks
A	Energy qualified for overdrawl but within admissible drawl	(S.No. 6 - S.No. 4)	0.6 (=3.6 - 3.0)	As actual drawl is more than the total scheduled quantum
B	Energy qualified for cross subsidy			
(i)	From exchange/ conventional sources (in MW)	(S.No. 3 (ii))	1	Limited to scheduled quantum through exchange/ conventional source as actual drawl is more than scheduled drawl
(ii)	Renewable source (in MW), not being captive	(S.No. 3 (i) – ((Minimum of S.No. 4 or 6) x S.No. 7))	1.655 (=2 – (3 x 11.5%))	Limited to scheduled quantum of renewable source as actual drawl is more than scheduled drawl minus RPO Target

				of 11.5%
	Sub - Total (in MW)		**2.655**	
C	Energy qualified for additional surcharge (in MW)	(S.No. 3 (ii))	1	Limited to scheduled quantum through exchange/ conventional source as actual drawl is more than scheduled drawl.
			-	Non-applicability of additional surcharge on renewable energy source.
D	Energy qualified for wheeling charges on the quantum (in MW)	(S.No. 3 (ii))	1	On the original 5B quantum for conventional power.
			-	Non-applicability of additional surcharge on renewable energy source.
E	Energy qualified for Transmission charges (in MW)	(S.No. 3 (ii))	1	On the original 5B quantum for conventional power.
			-	Non-applicability of additional surcharge on renewable energy source.
F	Energy qualified for temporary charges (in MW)		-	As the excess drawl above scheduled drawl is within admissible drawl
G	Any other charges and provisions			Applicable as per Open Access Orders

Case-II:
When actual drawl of OA consumer is less than OA quantum scheduled through multiple source:

S. No.	Description	Quantum (in MW)
1.	Sanctioned contracted demand (in MW)	5
2.	Opt for OA quantum through multiple source (in MW)	3
3.	Schedule of Power (in MW) (assuming same approval in conditional consent form 5B)	
	(i) Renewable source (in MW), not being captive (ii) Exchange/Conventional source (in MW)	2 1
4.	Total open access schedule(Sr. No. 3(i)+ Sr. No.3(ii))	3
5.	Admissible drawl with DISCOM (in MW)	2
6.	Actual drawl by OA consumer (in MW)	2.4
7.	Say RPO Target	11.5%
8.	Proportionate actual drawl of Power (in MW)	
	(i) Renewable source (in MW), not being captive ({S.No. 6 x (S.No. 3 (ii)/S.No. 4)}	1.6 (=2.4x2/3)
	(ii) Exchange/Conventional source (in MW) {S.No. 6 x (S.No. 3 (i)/S.No. 4)	0.8 (=2.4x1/3)

S. No.	Applicability of Open Access charges	Reference	Quantum in MW	Remarks
A	Energy qualified for overdrawl but within admissible drawl		-	As actual drawl is less than the total scheduled quantum
B	Energy qualified for cross subsidy			
(i)	From exchange/ conventional sources (in MW)	{S.No. 8 (ii)}	0.8	Proportionate actual drawl through exchange/ conventional source
(ii)	Renewable source (in MW), not being captive	{S.No. 8(i) – (Minimum of Sr. No. 4 or 6) x S.No. 7)}	1.324 (=1.6 – (2.4 x 11.5%))	Proportionate actual drawl from renewable source minus RPO Target of say 11.5%
	Sub- Total (in MW)		**2.124**	

C	Energy qualified for additional surcharge (in MW)	{S.No. 8 (ii)}	0.8	Proportionate actual drawl through exchange/ conventional source
			-	Non-applicability of additional surcharge on renewable energy source.
D	Energy qualified for wheeling charges on the quantum (in MW)	(S.No. 3 (ii))	1	On the original form 5B quantum for conventional power.
			-	Non-applicability of additional surcharge on renewable energy source.
E	Energy qualified for Transmission charges (in MW)	(S.No. 3 (ii))	1	On the original5B quantum for conventional power.
			-	Non-applicability of additional surcharge on renewable energy source.
F	Energy qualified for temporary charges (in MW)		-	As the excess drawl above scheduled drawl is within admissible drawl
G	Any other charges and provisions			Applicable as per Open Access Orders