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JHARKHAND STATE ELECTRICITY REGULATORY COMMISSION, RANCHI

JSERC (OPEN ACCESS IN INTRA- STATE TRANSMISSION AND DISTRIBUTION- FIRST AMENDMENT) REGULATIONS, 2010

NOTIFICATION

The 27th January, 2010

No.25 -- In exercise of powers conferred under Section 39(2) (d), 40(c), 42(2, 3), 86(1) (c) read with section 181(1) of the Electricity Act, 2003 (No. 36 of 2003) the Jharkhand State Electricity Regulatory Commission hereby amends Jharkhand State Electricity Regulatory Commission (Open Access in Intra-State Transmission and Distribution) Regulations, 2005 notified vide No.JSERC/regulation/199 dated 27th June 2005:

A1: SHORT TITLE, COMMENCEMENT AND INTERPRETATION

- 1.1 These Regulations shall be called the “Jharkhand State Electricity Regulatory Commission (Open Access in Intra-State Transmission and Distribution-First Amendment) Regulations, 2010.
- 1.2 These Regulations shall extend to the whole state of Jharkhand.
- 1.3 These Regulations shall come into force with effect from the date of its publication in the official gazette.

A2: AMENDMENT TO CLAUSE 2

2.1 In the Jharkhand State Electricity Regulatory Commission (Open Access in Intra-State Transmission and Distribution) Regulations, 2005, in Clause “2” ,the following Sub-Clause“(i)”, shall be substituted, namely:

“(i) “Open access customer” means any person including Open Access Consumer (OAC) and Open Access Generator (OAG) permitted by the Commission to receive supply of electricity from a person other than distribution licensee of his area of supply, and open access shall be construed accordingly. The Open Access Customer includes a generating company (including captive generating plant) or a licensee, who has availed of or intends to avail of open access;”

2.2 In the Jharkhand State Electricity Regulatory Commission (Open Access in Intra-State Transmission and Distribution) Regulations, 2005, in Clause “2” ,the following Sub-Clause“(q)”, shall be added, namely:

“(q) “VAR” shall mean the reactive power.”

A3: AMENDMENT TO CLAUSE 20

3.1 In the Jharkhand State Electricity Regulatory Commission (Open Access in Intra-State Transmission and Distribution) Regulations, 2005, in the Clause “20”, the following Sub-Clause “(i)” shall be substituted, namely:

“(i) The mismatch between the scheduled and actual drawal at drawal point(s) and scheduled and actual injection at injection points(s) shall be met from the grid and shall be governed by the pricing mechanism specified in the Chapter A8 and Chapter A9 of the “JSERC (Balancing & Settlement Mechanism for Open Access) Regulations, 2010”.

A4: AMENDMENT TO CLAUSE 21

4.1 In the Jharkhand State Electricity Regulatory Commission (Open Access in Intra-State Transmission and Distribution) Regulations, 2005, for the Clause “21”, the following shall be substituted, namely:

“21 The OAC and OAG is expected to provide VAR compensation in such a way that there is no drawal/injection of reactive power from the transmission/distribution network. The OAC and OAG will have to pay/receive reactive energy charge as per the following rules:

- (a) The OAC and OAG will pay to Distribution Licensee for VAR drawal (measured by interface meter) when voltage at the interface metering point is below 97%;
- (b) The OAC and OAG will get paid by Distribution Licensee for VAR injection (measured by interface meter) when voltage at the interface metering point is below 97%;
- (c) The OAC and OAG will get paid by Distribution Licensee for VAR drawal (measured by interface meter) when voltage at the interface metering point is above 103%;
- (d) The OAC and OAG will pay to Distribution Licensee for VAR injection (measured by interface meter) when voltage at the interface metering point is above 103%.

The payments for such exchanges of VARs shall be made at 6 paise/kVARh (w.e.f. 1st April 2010) with escalation @ 0.25 paise/annum subject to revision by the Commission through an order from time to time.”

A5: AMENDMENT TO CLAUSE 31

5.1 In the Jharkhand State Electricity Regulatory Commission (Open Access in Intra-State Transmission and Distribution) Regulations, 2005, for the clause “31”, the following shall be added, namely:

“(iii) Appropriate network loss levels shall be used to calculate the drawal schedule of OAC based on injection schedule of OAG and vice versa. The loss levels as listed in the table below shall be applicable for open access settlement within the state:

(a) Calculation of drawal schedule of OAC based on injection schedule of OAG:

Drawal schedule of OAC at Licensee-OAC interface = (Injection schedule of OAG at (Licensee-OAG) interface) x (1 - applicable network losses as per the table given below)

(b) Calculation of injection schedule of OAG based on drawal schedule of OAC:

Injection schedule of OAG at Licensee-OAG interface = (Drawal schedule of OAC at (Licensee-OAC) interface) / (1 - applicable network losses as per the table given below)

| Scenario | Open Access Generator | | Open Access Consumer | | Network losses applicable(%) | Applicable network charges |
|----------|-----------------------|----------------|----------------------|----------------|--|--|
| | Location | Voltage | Location | Voltage | | |
| A | Discom#1 | 132 kV & above | Discom#1 | 132 kV & above | Transmission loss | Transmission charges |
| B | Discom#1 | 132 kV & above | Discom#2 | 132 kV & above | Transmission loss | Transmission charges |
| C | Discom#1 | 132 kV & above | Discom#1 | 33 kV & below | Transmission Loss + Distribution Loss (Discom#1) | Transmission charges + Wheeling charges (Discom#1) |
| D | Discom#1 | 132 kV & above | Discom#2 | 33 kV & below | Transmission Loss + Distribution Loss (Discom#2) | Transmission charges + Wheeling charges (Discom#2) |
| E | Discom#1 | 33 kV & below | Discom#1 | 132 kV & above | Distribution Loss (Discom#1) + Transmission loss | Wheeling charge (Discom #1) + Transmission charges |
| F | Discom#1 | 33 kV & below | Discom#2 | 132 kV & above | Distribution Loss (Discom#1) + Transmission loss | Wheeling charge (Discom #1) + Transmission charges |

| Scenario | Open Generator | | Open Consumer | | Network losses applicable(%) | Applicable network charges |
|----------|----------------|---------------|---------------|---------------|---|--|
| | Location | Voltage | Location | Voltage | | |
| G | Discom#1 | 33 kV & below | Discom#1 | 33 kV & below | Distribution Loss (Discom#1) - If OAG and OAC are connected through same EHV Sub-station OR Transmission Loss + Distribution Loss (Discom#1) - If OAG and OAC are connected through different EHV Sub-stations | Wheeling Charges (Discom#1) - If OAG and OAC are connected through the same EHV Sub-station OR Transmission Charges + Wheeling Charges (Discom#1) - If OAG and OAC are connected through different EHV Sub-stations |
| H | Discom#1 | 33 kV & below | Discom#2 | 33 kV & below | Distribution Loss (Discom#1) + Transmission Loss + Distribution Loss (Discom#2) | Wheeling Charges (Discom#1) + Transmission Charges + Wheeling Charges (Discom#2) |

The applicable network losses and applicable network charges listed in the table above shall be as per the latest Tariff Order(s) as notified by the Commission.

- (iv). For power generated from non-conventional sources, loss levels shall be as decided by the Commission from time to time”

(By order of the Commission)

(A.K. Mehta)

Secretary

Jharkhand State Electricity Regulatory Commission