

NATIONAL ELECTRIC POWER REGULATORY AUTHORITY

Islamabad, the th 7 day of June, 2018

730 (D)/2018

NOTIFICATION

S.R.O. — In exercise of the powers conferred by section 47 of the Regulation of Generation, Transmission and Distribution of Electricity Power Act, 1997 (XL of 1997), the National Electric Power Regulatory Authority is pleased to make the following amendment(s) to the National Electric Power Regulatory Authority (Interconnection for Renewable Generation Facilities) Regulations, 2015, notified vide S.R.O. 1266/2015, namely:—

(1) In the said Regulations, for sub-regulation (3) of regulation 1, the following shall be substituted, namely:-

“(3) These regulations shall apply to new and existing renewable energy projects”

(2) In the said Regulations, in regulation 2,-

(i) the existing sub-clauses (c) and (d) shall be renumbered as sub-clauses (d) and (e) thereof and the following new sub-clause (c) shall be inserted, namely:-

“(c) “Minimum Transmission Voltage” means thirty-three kilovolts at which electrical facilities are operated when used to deliver electric power in bulk from a renewable energy project under these regulations;”

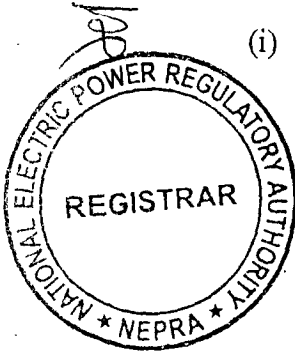
(ii) after sub-clause (e), renumbered as aforesaid, the following new sub-clauses (f) and (g) shall be inserted, namely:-

“(f) “Special Purpose Transmission” means license obtained under Section 19 of the Act; and

(g) “Transmission Licensee” means a transmission licensee in terms of Section 17 of the Act and shall include Karachi Electric Limited.”

(3) In the said Regulations, after regulation 2, the following regulation 2A shall be added, namely:-

“ 2A. Approval of Simulation Studies.— Every renewable energy project which intends to connect to the network of Host DISCO and Transmission Licensee is required to get the approval of Simulation Studies from the Host DISCO or/and Transmission Licensee:



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Provided that any existing renewable energy project connected with the network of Host DISCO or a Transmission Licensee who intends to enhance its capacity and/or intends to revise its terms of operation with the concerned DISCO and/or Transmission Licensee and is not already in possession of approved simulation studies is required to get the approval of concerned DISCO or/and Transmission Licensee for Simulation Studies.”

- (4) In the said Regulations, after regulation 3, the following regulation 3A shall be added, namely:-

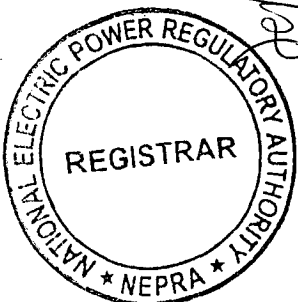
“3A. Exception.– (1) Notwithstanding anything contained in Regulation 3 and any Applicable Document, the Authority may allow interconnection at 33kV or 66kV where the Simulation Study recommends one of these as the most feasible and cost-effective option for interconnection:

Provided that the renewable energy project shall construct, own, maintain and operate the aforementioned transmission line and shall obtain a Special Purpose Transmission license.

- (2) Interconnection at 33kV and 66kV shall be in the manner as provided in the Schedule III set out as annexure.”

- (5) In the said Regulations, in Schedule II, for clause (a) the following shall be substituted, namely:-

Connection Voltage Level (kV)	Approximate Generator Size (MW)
11	1 – 15
132	>15 - 150



For intervening voltage levels, regulation 3A shall be applicable.”

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- (6) In the said Regulations, after Schedule II, the following Schedule III shall be added, namely:-

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Schedule III

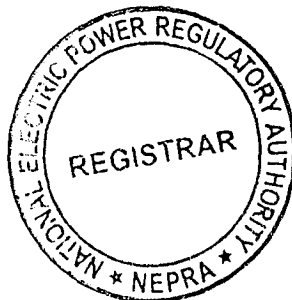
[See regulation 3A(2)]

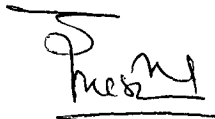
Interconnection at 33kV

- a) The length of interconnection transmission lines shall be limited as follows:
- i. For generation facility located in an Urban Area, the energy loss at connection point shall not exceed 1.20%, when generation facility is operating at full load. Whereas the voltage drop at the receiving end shall not be more than 3%;
 - ii. For generation facility located in a Rural Area, the energy loss at connection point shall not exceed 1.75%, when generation facility is operating at full load. Whereas, the voltage drop at the receiving end shall not be more than 5%.

Interconnection at 66kV

- b) The length of interconnection transmission lines shall be limited as follows:
- i. For generation facility located in an Urban Area, the energy loss at connection point shall not exceed 1.12%, when generation facility is operating at full load. Whereas the voltage drop at the receiving end shall not be more than 3%;
 - ii. For generation facility located in a Rural Area, the energy loss at connection point shall not exceed 1.67%, when generation facility is operating at full load. Whereas, the voltage drop at the receiving end shall not be more than 5%.”




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(Syed Safer Hussain)
Registrar



