

**PROCEDURE FOR IMPLEMENTATION OF THE FRAME WORK ON  
FORECASTING AND SCHEDULING FOR RENEWABLE ENERGY  
(RE) GENERATING STATIONS (WIND AND SOLAR)**

**1. Preamble:**

This Procedure is issued in compliance to Regulation 13 of the Rajasthan Electricity Regulatory Commission (Forecasting, Scheduling, Deviation Settlement and Related Matters of Solar and Wind Generation Sources) Regulations, 2017 hereinafter called the “Procedure for implementation of the framework on Forecasting and Scheduling for Renewable Energy (RE) Generating Stations”.

**2. Scope:**

This Procedure shall be followed by State Load Despatch Centre (SLDC) and Wind / solar generating stations [or any Wind/ Solar Power Park Developer]<sup>1</sup> connected directly to the State grid [ ]<sup>2</sup> or through pooling stations and supplying power to the State Discoms, or to the third parties through open access or for captive consumption through open access and selling power within or outside the State and Qualified Coordinating Agencies (QCAs).

**3.** Unless the subject matter or context otherwise requires, words and expressions used in this procedure shall have the meaning assigned to them in the Electricity Act, 2003 amended from time to time, the RERC (Forecasting, Scheduling, Deviation Settlement and Related Matters of Solar and Wind Generation Sources) Regulations, 2017 (herein after referred to as the RERC FS DSM Regulations for Solar and Wind GS 2017), the REGC and other relevant Regulations.

**4. Applicability:**

This procedure shall be applicable to:

- (1) Wind power generators supplying power to the Discoms, or to the third party consumers through Open Access (OA) or for captive consumption through OA within or outside the State:
  - a) Wind power generators having individual or combined capacity of 5 MW and above whether connected to the State Grid independently or through pooling stations.

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<sup>1</sup> Inserted vide Amendment Procedure, 2019 w.e.f 23.10.2019

<sup>2</sup> Omitted vide Amendment Procedure, 2019 w.e.f 23.10.2019

- b) Wind power generators of any capacity connected to the State Grid through pooling station with a total capacity of 5MW and above.
- (2) Solar power generators supplying power to the Discoms, or to the third party consumers through Open Access (OA) or for captive consumption through OA within or outside the State:
  - (a) Solar power generators having Individual or combined capacity of 5 MW and above whether connected to the State Grid independently or through pooling stations and/or solar parks;
  - (b) Solar power generators of any capacity connected to the State Grid through pooling station and /or solar park with a total capacity of 5 MW and above;
- [(3) Qualified Coordinating Agency;
- (4) Solar Power Park Developer; and
- (5) Wind Power Park Developer]<sup>3</sup>

5. **The Qualified Coordinating Agency (QCA):**

- (1) [The Qualified Coordinating Agency (QCA) shall be nominated based on consensus with consent of generators having more than 50% of the total installed generator capacity (MW) of that PSS and on mutually agreed terms and conditions amongst the wind and solar generators. The wind and solar generators shall also inform SLDC to this effect.  
  
On submission of consent letter from the generators and upon meeting the stipulated requirements, the Agency shall be registered as QCA for that pooling station/common feeder/dedicated feeder]<sup>4</sup>.
- (2) QCA shall be the single point of contact with SLDC on behalf of its coordinated generator(s) connected to a pooling station for the following purposes:
  - (a) Provide schedules with periodic revisions as per the Regulations on behalf of all the Wind/Solar Generators connected to the pooling station.

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<sup>3</sup> Inserted vide Amendment Procedure, 2019 w.e.f 23.10.2019

<sup>4</sup> Substituted vide Amendment Procedure, 2019 w.e.f 23.10.2019

- (b) Responsible for coordination with STU/SLDC and other agencies for metering, data collection and its transmission and communication.
- (c) Undertake commercial settlements on behalf of the generators, of such charges pertaining to generation deviations only including payments to the State pool account through the SLDC.
- (d) Undertake de-pooling of payments received on behalf of the generators from the State Pool account and settling them with the individual generators in accordance with these Regulations.
- (e) Undertake commercial settlement of any other charges on behalf of the generators as the case may be mandated from time to time.
- (f) All other ancillary and incidental matters.

QCA shall be treated as an intra-state entity for the purpose of the RERC FS DSM Regulations for Solar and Wind GS 2017.

- (3) Each pooling station shall have one QCA. However, in case a particular solar or wind generator alone is connected to a pooling station (Transmission licensee GSS), then such generator shall act as a QCA.
- (4) [Any Solar/wind power park developer can also act as QCA in Joint Venture (JV) with another company provided the JV fulfils the Qualifying Requirement for QCA as per clause No.6] <sup>5</sup>.

## **6. Qualifying Requirement for QCA:**

The QCA shall be nominated by Wind/Solar Generators who may be one of the generators having generation capacity in Rajasthan or any mutually agreed agency based on the following criteria:

- a. [The QCA shall be a company incorporated in India under the Companies Act, 1956/2013 or any firm, Limited Liability Partnership (LLP), person or association of persons fulfilling the criteria given below] <sup>6</sup>.

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<sup>5</sup> Inserted vide Amendment Procedure, 2019 w.e.f 23.10.2019

<sup>6</sup> Substituted vide Amendment Procedure, 2019 w.e.f 23.10.2019

- b. Operational requirements –The QCA shall have fully functional forecasting and scheduling tools to obtain the desired output.
- c. The QCA shall have the experience in the field of Wind and/or Solar Power forecasting and scheduling for 500 MW projects (including cumulative pilot projects) and a minimum period of one (1) year with appropriate accuracy levels in forecasting.
- d. The QCA shall have an experience in working in different terrain & regions, as Wind/Solar generation depends on these factors and such experience facilitates better scheduling.
- e. The QCA shall have capability to handle multiple plant owners connected to a pooling station in order to be well positioned to de-pool deviation charges.
- f. The financial strength of the QCA shall be such that it shall be in a position to handle the risk of penalties due to deviation charges applicable to RE generator. Considering this, the net worth of the QCA shall be at least Rs. 1.50 Crores in the previous financial year which shall reflect from its audited accounts duly certified by the Chartered Accountant.
- g. The QCA shall have a compatible system in place for seamless flow of information to and from SLDC in order to facilitate forecasting, scheduling and revision of schedule, intimation of outages/grid constraints etc. and it shall have the capability to provide real time monitoring systems in place for seamless flow of information to and from SLDC.
- h. QCA shall have an established team of Renewable Resource Analysts, modeling Statisticians, Energy modelers and 24x7 operation and monitoring team.
- i. QCA shall possess/provide the authorization letter from all the RE generators connected to the pooling station or directly connected to the state network for being appointed as the QCA.

- j. [In case the Generators by majority (i.e. having more than 50% of the total installed generator capacity (MW) of that PSS) on a PSS decide to appoint one of the Generators as QCA for that PSS, such generator shall be exempted from fulfilling the requirements mentioned at 6 (c) & 6 (f). However, it shall have to possess/provide the authorization letter from all the RE generators connected to the pooling station or directly connected to the state network for being appointed as the QCA] <sup>7</sup>.
- k. [Generators by majority (i.e. having more than 50% of the total installed generator capacity (MW) of that PSS) on a PSS may be allowed to appoint new QCA in place of earlier QCA subject to fulfillment of the conditions regarding appointment and qualification as laid in the procedure by giving 1 month notice to SLDC. In such case SLDC shall release Bank Guarantee (BG) of earlier QCA immediately after getting confirmation regarding BG of new QCA] <sup>8</sup>.

## 7. **Responsibilities of QCA:**

- a. As per the Rajasthan Electricity Regulatory Commission (Forecasting, Scheduling, Deviation Settlement and Related Matters of Solar and Wind Generation Sources) Regulations, 2017, QCA shall be responsible for the settlement of Deviation charges with the SLDC for the pooling stations/Generators as QCA and it shall be liable to payable & receivable of Deviation charges.
- b. [QCA shall provide the pooling station wise or standalone RE generator wise forecasting schedules to SLDC day-ahead basis on behalf of Wind and Solar pooling stations connected to STU/DISCOM. However, a separate schedule for interstate (with state wise bifurcation) or intra state (with Discom/deemed licensee wise bifurcation) shall be provided for each PSS] <sup>9</sup>.

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<sup>7</sup> Inserted vide Amendment Procedure, 2019 w.e.f 23.10.2019

<sup>8</sup> Inserted vide Amendment Procedure, 2019 w.e.f 23.10.2019

<sup>9</sup> Substituted vide Amendment Procedure, 2019 w.e.f 23.10.2019

- c. QCA shall be responsible for commercial settlements with the SLDC on behalf of wind and solar generators under its control connected to the pooling station and RE generators.
- d. The monthly energy meter reading shall be downloaded by the RVPN /DISCOM along with a representative of the QCA as per REGC/standard practices including ABT/Load Survey data or directly through AMR.
- e. QCA shall abide by Rajasthan Electricity Regulatory Commission (Forecasting, Scheduling, Deviation Settlement and Related Matters of Solar and Wind Generation Sources) Regulations, 2017as amended from time to time.
- f. QCA shall provide WTG's/ Inverter's static data and pooling stations details as per the proforma at **Annexure-Ia** for wind, **Annexure-Ib** for solar & **Annexure-Ic** for pooling stations and further any change in the information furnished earlier shall be shared with the SLDC within 7 working days from the change.
- g. All RE generators (Wind & Solar) shall save & store the block wise generator SCADA data or any other data desired by SLDC and make available the same to their respective QCA so that it could be sent to SLDC within 7 days from the date of demand from SLDC.
- h. [QCA may de-pool the energy deviations as well as deviation charges to each generator connected at the respective pooling station using any one of the following options:-
  - a) In proportion to available capacity of each generator,
  - b) In proportion to energy generated in each time block by each generator,
  - c) In proportion to absolute error of individual generator schedule,
  - d) Any other methodology/criteria as may be mutually agreed between QCA and generators.

They may adopt any one of the above methods as they deem appropriate, declaring that the same shall apply to all the members of the pooling station. Method adopted shall be shared by the QCA with SLDC on regular basis] <sup>10</sup>.

- i QCA shall submit the indemnity bond on Non Judicial Stamp paper of value notified by the State Government from time to time to keep the SLDC indemnified at all times and shall undertake to indemnify, defend and save the SLDC harmless from any and all damages, losses including commercial losses due to forecasting error, claims and actions including those relating to injury to or death of any person or damage to property, demands, suits, recoveries, costs and expenses, court costs, attorney fees, and all other obligations by or to third parties, arising out of or resulting from the transactions undertaken by the Generators.
- j QCA shall coordinate for periodical testing and calibration of SEMs as per CEA Metering Regulations and procedures of the STU.
- k [All interactions between the generators and QCA shall be governed by their mutually agreed contractual agreements. The generators may suitably include clauses related to non-satisfactory performance of the QCAs, penalties in case of high degrees of forecasting errors, performance default etc. in their agreements with the QCAs in order to increase their accountability] <sup>11</sup>.

**8. Other General conditions for QCA:**

- (1) The QCA and RE generators shall mutually decide professional charges for scheduling and deviation settlement payable to QCA.
- (2) Non-performance of function by QCA under the Rajasthan Electricity Regulatory Commission (Forecasting, Scheduling, Deviation Settlement and Related Matters of Solar and Wind Generation

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<sup>10</sup> Substituted vide Amendment Procedure, 2019 w.e.f 23.10.2019

<sup>11</sup> Inserted vide Amendment Procedure, 2019 w.e.f 23.10.2019

Sources) Regulations, 2017 as amended from time to time and this procedure, shall not in any manner absolve the solar and wind generators from meeting their responsibility provided under the Regulations and procedure.

- (3) [The QCA shall invariably share the day ahead block wise schedules including revisions during the day with the constituent generator of the PSS] <sup>12</sup>.

## **9. Role of SLDC:**

- (1) [The SLDC shall be responsible for scheduling, communication, coordination with QCA and RE Generators. SLDC shall make available the state level system centric forecast on its website and also place the RVPN GSS wise forecast made available by agency to be appointed under REMC on website of the SLDC for the benefit of stakeholders.

SLDC shall develop a common platform on which real time data of generator and other parameters and whether related data alongwith any other data as considered appropriate by SLDC. The expenditure towards the necessary hardware/infrastructure for development of this platform shall be borne by SLDC for which it shall use the funds collected under Forecasting and Scheduling DSM pool. On completion of this project SLDC shall also make the pooling station wise forecast and place the same on website of the SLDC. The generator and QCA may appropriately use the forecast made by SLDC] <sup>13</sup>.

- (2) The SLDC shall be responsible for processing the interface meter data and computing the net injections by each QCA, accordingly DSM account shall be prepared.
- (3) Monthly accounts shall be prepared by the SLDC. The SLDC shall maintain separate records and account of time block wise schedules, actual generation and deviations.

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<sup>12</sup> Inserted vide Amendment Procedure, 2019 w.e.f 23.10.2019

<sup>13</sup> Substituted vide Amendment Procedure, 2019 w.e.f 23.10.2019



- (4) [The SLDC shall place the data of capacity handled by QCAs in Rajasthan and accuracy levels achieved by them on website of the SLDC on the monthly basis] <sup>14</sup>.

**10. Procedure for registering as QCA:**

The procedure for registering a QCA is as follows:

- a. The prospective QCA shall submit an application accompanied with such fee as may be prescribed if any as per the performa (**Annexure-II**) for registration.
- b. QCA shall be required to provide consent letters from all the generators connected to the respective QCA pool. A performa consent letter is attached as **Annexure-III**.
- c. A bank guarantee for payment security shall be submitted by the QCA along with the application.
- d. QCA shall submit one time details to SLDC as per Annexure-Ia, Ib & Ic. Further, if there is any change in the information furnished, then the updated information shall be furnished to the SLDC within 7 working days.
- e. Once QCA submits the application along with bank guarantee, the same may be accepted by the SLDC and QCA may be allowed to schedule power for its constituent generators/pooling stations for which the necessary login ID and password shall be provided by SLDC.
- f. QCA shall submit an undertaking on Non-Judicial Stamp paper of value notified by the State Government from time to time in regard to compliance of RERC Regulations and its procedure as per **Annexure-IV**.

**11. Metering, data collection and data communication:**

- a) Interface Energy Meters shall be installed by the state transmission utility as per RERC (Metering) Regulations, 2007 & CEA Metering Regulations, 2006 and amendments thereof.
- b) On the basis of this real time actual generation data and the forecast/schedule provided by the QCA, SLDC shall prepare the DSM account which can be seen by the QCA through [SLDC web site] <sup>15</sup>.

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<sup>14</sup> Inserted vide Amendment Procedure, 2019 w.e.f 23.10.2019

<sup>15</sup> Replaced vide Amendment Procedure, 2019 w.e.f 23.10.2019

Automated meter reading (AMR) system shall be used for communicating interface meter data at SLDC. Internal Clock of the interface meter shall be time synchronized with GPS.

- c) [RE Generator] <sup>16</sup> shall provide data telemetry at the turbine/inverter level to the SLDC and shall ensure the correctness of the real-time data and undertake the corrective actions, if required. The frequency of real-time data updating shall be 4 second or such other frequency as SLDC may require. Further, the turbine/inverter outage plan shall also be forwarded to the SLDC. The performa data telemetry requirement for RE Generators is enclosed at **Annexure -V**.
- d) An authorized representative of the distribution licensee / concerned state utility / QCA /generator as the case may be, shall forward monthly RE meter readings to the SLDC within 10 days after completion of each month i.e. by the 10<sup>th</sup> day of the next month of a previous month for energy accounting purpose under these regulations. This shall be made available in addition to data acquisition by automated meter reading system being put in place.
- e) [All RE Generators shall install a check meter (ABT meter) at RVPN GSS at injection point where the pooled RE power is being injected by RE Generators. The specification of new ABT meter, DCU (Data concentrator Unit) and meter box along with Modems are available on RVPN's/ website and the same is to be integrated with servers of STOMS control centre at SLDC. In addition, the above meter also should have feature of real time data display (instantaneous and 15 min. time block), the access of which may be available to generator, QCA and service provider. The SLDC shall provide integration support for all such meters with its system] <sup>17</sup>.
- f) [The Generators shall make necessary arrangement/modification in its present system at its own cost in consultation with OEM /Developers as the case may be for providing telemetry, SCADA and relevant data of the interconnection points to facilitate the grid operations. Those RE generators who have already provided telemetering but data are not

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<sup>16</sup> Replaced vide Amendment Procedure, 2019 w.e.f 23.10.2019

<sup>17</sup> Inserted vide Amendment Procedure, 2019 w.e.f 23.10.2019

being made available to SLDC, shall make compliance of the regulations and make arrangement for making available the data to SLDC] <sup>18</sup>.

- g) [SLDC shall create the web portal and requisite IT based tools and applications within 3 months to enable transparent sharing of data in a timely manner with all the concerned stakeholders such as the QCAs as well as generators. The SLDC shall also make available real time data received by it through check meter online and accessible to all concerned] <sup>19</sup>.
- h) [SLDC shall issue guidelines in respect of meter installation, integration, testing and periodic calibration and place these on website of the SLDC] <sup>20</sup>.
- i) [SLDC shall convene regular meeting of the QCAs and the generators for necessary co-ordination and facilitation for implementation of the regulation and procedure as well as to resolve various issues related to data sharing, communication, metering and associated infrastructure so as to facilitate stakeholders for sharing of data. The SLDC shall post the details of all such meetings on their website] <sup>21</sup>.
- j) [SLDC shall initiate the process of developing a common platform on which the real time data of the output of individual generators, other parameters and weather related data, as applicable or any other data as considered appropriate by SLDC becomes available. The access of this common platform may be made available to all the generators as well as QCAs. The expenditure towards the necessary hardware/infrastructure for development of this platform shall be borne by SLDC for which it may use the funds collected under forecasting and scheduling DSM pool] <sup>22</sup>.
- k) [OEM-RE generator relationship shall be governed by the commercial contract entered into between them. It shall be the duty of the generators to ensure that OEMs perform their function satisfactorily and provide the requisite data and other support required for the implementation of the Regulations] <sup>23</sup>.

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<sup>18 to 23</sup> Inserted vide Amendment Procedure, 2019 w.e.f 23.10.2019

## 12. Forecasting:

- a) [The RE forecasting of the state shall be done by the SLDC to facilitate secure grid operation and shall be system centric. The SLDC may also engage in a forecasting agency to undertake forecasting] <sup>24</sup>.
- b) [RE Generators or QCA on their behalf shall prepare their own schedule and submit it to SLDC. Any commercial impact on account of deviation from schedule based on forecast submitted by the wind and solar generators shall be borne by the respective generator /pooling station] <sup>25</sup>.
- c) [ ] <sup>26</sup>

## 13. Available Capacity(AvC):

- a) It is mandatory for a QCA to declare the block wise AvC for each plant (wind/solar [or Solar thermal] <sup>27</sup>) on behalf of their generators. The AvC shall be declared on day ahead basis and can be revised during the submission of intra-day schedules.
- b) [The Available capacity (AvC) for a wind generating plant & Solar thermal shall be applicable for the entire 24 hours in a day. Whereas considering the availability of solar irradiation only during the day, the AvC for other solar generating plant shall be applicable only between 05:30 AM till 19:30 PM. Plants having a mixed capacity of wind and solar generation shall consider the AvC accordingly] <sup>28</sup>.
- c) [In case of a solar thermal generator, the 'Available Capacity' (AvC) shall be equivalent to its sum total of installed capacity of each unit generating plant which is in running condition (capable to generate). In case the generating plant is having multiple generating units then the available capacity shall be calculated on the basis of the installed capacity of each generating unit.

**Illustration:** If a solar thermal power project of total installed capacity 100 MW having twenty five(25) units each of capacity 4 MW. In case five units are not in running conditions then AvC of the plant will be 80 MW(=20x4 MW)] <sup>29</sup>.

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<sup>24</sup> Substituted vide Amendment Procedure, 2019 w.e.f 23.10.2019.

<sup>25</sup> Substituted vide Amendment Procedure, 2019 w.e.f 23.10.2019

<sup>26</sup> Omitted vide Amendment Procedure, 2019 w.e.f 23.10.2019

<sup>27</sup> Added vide Amendment Procedure, 2019 w.e.f 23.10.2019

<sup>28</sup> Substituted vide Amendment Procedure, 2019 w.e.f 23.10.2019

<sup>29</sup> Inserted vide Amendment Procedure, 2019 w.e.f 23.10.2019

**14. Scheduling and Despatch:**

- a) The SLDC shall be responsible for scheduling, communication, coordination with RE Generators or QCA. [State level]<sup>30</sup> forecasting of the renewable energy generation shall be done by the SLDC and the forecast shall be available on the website of the SLDC. The generation forecast shall be done on the basis of the weather data provided by IMD or on the basis of other methods used by the Forecasting Service Provider (FSP) whose service may be availed by SLDC. However, the forecast by the SLDC shall be with the objective of ensuring secure grid operation.
- b) [QCA shall submit schedules for interstate and intra state transaction separately. In case of electrical separation not being possible, then a combined schedule of inter and intra state transaction with bifurcated interstate (with state wise bifurcation) and intra state (with Discom/ deemed licensee wise bifurcation) schedule shall be allowed and actual generation of the connected generators shall be considered and adjusted in the ratio of inter and intra state schedules. This shall come into effect from 1.10.2018]<sup>31</sup>.
- c) The schedule by RE generators or QCA may be revised by giving advance notice to the SLDC, as the case may be. Such revisions shall be effective from 4<sup>th</sup> time block, the first being the time-block in which notice was given. There may be one revision for each time slot of one and half hours starting from 00:00 hours of a particular day subject to maximum of 16 revisions during the day.
- d) Revision in schedules by RE Generator or QCA selling power through collective transactions shall not be allowed.
- e) Day ahead schedules shall be required to be communicated to SLDC upto 10:00 AM of the preceding day in the proforma at **Annexure-VI**.
- f) SLDC shall create a website on which schedules shall be required to be updated. Each QCA shall be provided with one login ID and password.

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<sup>30</sup> Inserted vide Amendment Procedure, 2019 w.e.f 23.10.2019

<sup>31</sup> Replaced vide Amendment Procedure, 2019 w.e.f 23.10.2019

After logging-in, the QCA shall be able to [upload]<sup>32</sup> schedules of its Pooling station which it is representing, and the revisions shall also be [uploaded]<sup>32</sup>.

- g) [In case of any technical glitch, the schedules shall be sent to the following email ids –  
[se.remc@rvpn.co.in](mailto:se.remc@rvpn.co.in)  
[se.remc.schedules@gmail.com](mailto:se.remc.schedules@gmail.com)]<sup>33</sup>
- h) The forecasting, scheduling, metering, energy accounting and deviation charges shall be as per applicable RERC Regulations, as amended from time to time.
- i) In the event of contingencies, transmission constraints, congestion in the network, a threat to system security, the transactions of RE Generators already scheduled by SLDC may be curtailed as per provisions of REGC for ensuring secure and reliable system operation.
- j) [SLDC will certify the schedule Generation for Inter-State sale within 7 days after the end of month and actual generation of Intra state within 3 days after receipt of JMR]<sup>34</sup>.

**15. Determination of fixed rate for the purpose of deviation charges for generators connected to the grid and selling power outside the State:**

The fixed rate for DSM is the weighted average rates of PPAs which shall be based on the rates submitted by the generators on an affidavit on Non-Judicial Stamp paper of value notified by the State Government from time to time duly signed by the authorized signatory of QCA and the concerned generator along with a copy of the PPA.

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<sup>32</sup> Replaced vide Amendment Procedure, 2019 w.e.f 23.10.2019

<sup>33</sup> Replaced vide Amendment Procedure, 2019 w.e.f 23.10.2019

<sup>34</sup> Inserted vide Amendment Procedure, 2019 w.e.f 23.10.2019

**16. Procedure for Commercial Settlement:**(1) [Timelines for commercial settlement shall be as follows] <sup>35</sup>:

Sr No	Action	Responsibility	Timeline
1	Publish DSM statement for the month on its website. This statement shall have detailed calculations of deviation for each pooling station/capacity under each QCA.	SLDC	10th of the next month
2	File comments/ rectification requests.	QCA	Within 7 days from the publishing of the statement on the website
3	Carry out rectifications/ modifications and finalization of DSM account and convey the same through Email/on Website	SLDC	Within 5 days after receiving the rectification request as per (2) above
4	Make DSM payment	QCA	Within 15 working days from the finalization of the DSM account.
5	If payments against the Charges for Deviation Charges for Deviation are delayed by more than two days, i.e., beyond fifteen 15 working days from the date of issue of final DSM account by SLDC, the defaulting QCA shall have to pay simple interest @ 0.04% per day.	QCA	In case the payment is not made even after a lapse of 60 days from issuance of final DSM account, the process to invoke BG shall be initiated besides any other action as permissible under law/ Regulations.

**17. Payment security:**

The RE Generator or QCA shall be required to submit the following payment security in the form of a bank guarantee towards DSM charges:

- a. For RE generator/ QCA capacity Rs.10, 000/- per MW, for solar generating plants.
- b. For RE generator/ QCA capacity Rs. 40,000/- per MW, for Wind generating plant.

<sup>35</sup> Replaced vide Amendment Procedure, 2019 w.e.f 23.10.2019

- c. The BG submitted shall be valid for [a period of minimum 1 year]<sup>36</sup> and issued by any Nationalized/ Scheduled Bank branch situated in the State of Rajasthan and shall be extended from time to time as required. The payment security may be amended from time-to-time by the SLDC based on the actual incidence of DSM charges.
- d. [RE generator owned by public sector undertaking of State/Central Government agencies may furnish BG directly to SLDC]<sup>37</sup>.
- e. [RE generators not willing to provide payment security to QCA may give a consent letter to RUVNL in the requisite format that amount equivalent to payment security amount be deducted from their energy bills by RUVNL and be deposited with SLDC. However, interest shall not be paid on this amount]<sup>38</sup>.

**18. Curtailment Event:**

- a. In case planned curtailment/ shutdown/ system constraint necessitated in certain time blocks of a day by the SLDC, Generator / QCA shall be responsible to restrict the generation at the site as per the advice of the SLDC and accordingly the QCA/ generator shall revise the schedule.
- b. In case SLDC imposes any unplanned curtailment or remove the curtailment due to sudden transmission constraints, breakdown etc. for grid stability, the capacities thus reduced or increased by the generators for the immediate time blocks shall be exempted from DSM calculations till the 4<sup>th</sup> time block after communication with SLDC, the first block being the one in which the communication to SLDC has been made.

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<sup>36</sup> Replaced vide Amendment Procedure, 2019 w.e.f 23.10.2019

<sup>37</sup> Inserted vide Amendment Procedure, 2019 w.e.f 23.10.2019

<sup>38</sup> Inserted vide Amendment Procedure, 2019 w.e.f 23.10.2019



**19. Application of Losses and Charges:**

Transmission charges and losses for State Transmission Network shall be applicable as determined by the Commission from time to time.

**20. SLDC Fees & Charges and other charges:**

SLDC fee and charges including scheduling and operating charges shall be payable by QCA or RE generator, as the case may be, as specified in the Rajasthan Electricity Regulatory Commission (Levy of fee and charges by SLDC) Regulations, 2004 as amended from time to time. The other charges shall be levied as per the applicable RERC Regulations/Orders.

**21. Event of breach of procedure and consequences thereof:**

- (1) Following events shall constitute a breach by QCA / Generators
  - a) Non-payment or delay in payment of Deviation Charges.
  - b) Non-compliance of any of the terms/conditions/rules outlined under this Procedure.
  - c) Non-compliance of any of the directives issued by SLDC, so long as such directives are not inconsistent with any of the provisions of RERC RE DSM Regulations, 2017.
  - d) Obtaining registration on the basis of false information or by suppressing material information.
  - e) RE Generator or QCA fails to provide schedules for continuously for 10 days.
  
- (2) Consequences for Event of default:
  - a) [If the schedule is not provided by the RE generator/QCA (default as per 21 (1) (e) above) then the previous day's schedule for those non submission days shall be considered, and DSM charges shall be computed accordingly. The non-submission of the schedule shall attract scheduling charges as per provisions of Rajasthan Electricity Regulatory Commission (Levy of fee and charges by SLDC) Regulations, 2004 as amended from time to time.

- b) In case of default as per 21 (1) {(a) to (d)} without prejudice to other actions as may be taken by SLDC, the SLDC shall issue a notice of period not less than 15 days for revocation of registration of QCA and disconnection of RE generator(s) from the grid and adequate opportunity to QCA/ Generator to present its case before SLDC.
- c) In case QCA/ Generator fail to address/rectify the breach expressed by the SLDC in the Notice within the stipulated time, the SLDC shall proceed with revocation of registration of QCA and disconnection of Generator(s) from the grid.
- d) In case of generators who have not nominated QCA or have not started submission of schedule the same shall be treated as non compliance of Regulation/Procedure and SLDC shall take action accordingly] <sup>39</sup>.

## **22 Grievance Redressal:**

- (1) All disputes between QCA and RE generators shall be made to the State Load Despatch Centre within 30 days from the date on which dispute arose.
- (2) SLDC shall examine and decide the same within 45days, from the date of receipt of complaint.
- (3) Before deciding the dispute, SLDC shall provide the opportunity of hearing to the complainant and other party and shall pass a reasoned order.
- (4) [Any dispute between SLDC and RE Generators (or QCA on their behalf) regarding implementation of Regulations and or procedure shall be referred to the Commission and Commission's decision in this regard shall be final and binding.

Provided that pending the decisions of the commission the directions of the SLDC shall be complied with by the generator and all related entities] <sup>40</sup>.

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<sup>39</sup> Replaced vide Amendment Procedure, 2019 w.e.f 23.10.2019

<sup>40</sup> Inserted vide Amendment Procedure, 2019 w.e.f 23.10.2019

**23. Removal of difficulties:**

- (1) [In case of any difficulty in implementation of this procedure, SLDC may approach the Commission for review or revision of the procedure with requisite details.
- (2) Notwithstanding anything contained in this Procedure, SLDC may take appropriate decisions under intimation to the commission, with regards to procedural issues which are consistent with provisions of the Regulations and directions issued by the commission from time to time in the interest of System Operation for implementation of (Forecasting, Scheduling, Deviation Settlement and Related Matters of Solar and Wind Generation Sources) Regulation, 2017] <sup>41</sup>.

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<sup>41</sup> Substituted vide Amendment Procedure, 2019 w.e.f 23.10.2019