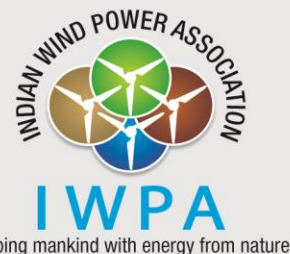


February 02, 2019

IWPA Circular No. 273 of 2019



Circular to Members having wind mills in Tamil Nadu

Dear Member

**AMR PROJECT - Gist of proceedings of the meeting
held on January 24, 2019 with IWPA and other Associations at TANGEDCO**

Members are informed that the CE NCES had convened a meeting on the implementation of the AMR Project on 24.01.2019 at 3.00 p.m. The meeting was chaired by the CFC-Revenue and coordinated by EE-NCES. The AAO-Revenue and the IT Wing representatives of TANGEDCO had also participated in the meeting. IWPA, TASMA, SIMA represented the stakeholders during the meeting and explained the difficulties in implementing the AMR Project with effect from 01.02.2019. The following issues were covered in the discussion.

1. What is AMR Project?

AMR means Automated Meter Reading. The TANGEDCO wants to shift the work of manual reading of meters in to automated meter reading. By this, all meters installed both at WEGs / Generators end are to have the facility to communicate the reading to required destinations automatically through the SIM Cards and other devices installed in the meters. This equipment would report both to the Generating end SEs and concerned Consumption end SEs about the generation happening by minute by minute. The consumers as well as the generators would have the option to monitor the reading going on in such AMR meters by a log in option. This would facilitate generation of Generation Statements at the end of each month without waiting for the manual reading to be compiled with for preparation of Generation Statements. Hence, once the AMR Project takes off, the consumers would know how many units have been generated by the respective captive WEGs either 100% owned or sourced through Captive Generating Plant Mode. This will ease the billing and adjustment areas more comfortable and enough time will be available for the captive users to verify the CC bill and to make payment. This is the Vision Statement for the AMR Project. However, to implement the project from 01.02.2019 in a full-fledged manner, there would be difficulties, as the arrangements are still going on without the basic data yet to be completely incorporated in to their systems.

Due to this reason, all the Associations had requested the TANGEDCO HQ to permit the implementation of the project from 01.04.2019 onwards, by which time, there would be no readings available for bringing forward, as the wind energy accounting for the year 2018-19 would be closed for the Financial Year and the opening balance will be Nil. This would necessitate the recording of the current generation only and will avoid unnecessary complications in arriving the brought forward figures, if the project is implemented during the middle of the Financial Year. Even though, this suggestion was prima-facie acceptable to TANGEDCO HQ, they wanted to nevertheless commence the AMR Project almost like a trial project during the months of February and March 2019. They have assured us that in case of any necessity, the manual billing system would also be available parallel to the AMR billing system. Hence, it was agreed to accept the proposal for implementing the AMR project from 01.02.2019, as any contingency will be met by following the manual reading system hitherto followed. Hence, the actual take off of the AMR Project would depend upon how fast TANGEDCO completes all the requirements for the full-fledged implementation of the project. These hesitations on the part of the consumers / generators were very much pressed during the meeting and TANGEDCO also agreed to soft pedal the project till it stabilizes.

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2. Demo of AMR Project and providing Training for Generators and OA consumers along with TANGEDCO Team proposed:

A Demo of the Project was viewed by all representatives of the Associations and accordingly, the following information was gathered.

Total No. of WEGs Services in the State	9608
Non-Running WEGs	200
Running WEGs	9408
Instant data reporting WEGs Services	8418
Non-Accessible WEGs	990

From the above, it could be seen that out of the 9408 running WEGs, only 8418 WEGs were ready for reporting the data. Other 990 WEGs are in Non-accessible areas, where there is no Internet connectivity available to make the SIM Cards connected. TANGEDCO is identifying alternate Internet service providers. This may take however still more time. Out of the 8418 WEGs, which are ready to provide communications, the preliminary works like entering the details of owners of the WEG, WF HTSC No., to be brought forward, the banked units as opening balance and other similar works are still going on and not yet completed fully and finally. This may also hinder the taking off the project in time. However, the TANGEDCO is confident to complete the works at the earliest.

Since the consumers and generators would also be participating in the smooth functioning of the AMR Project, from our side we requested to impart proper training for the Associations and the Executives of the concerned WEG Companies and Captive users to learn about the functioning of the AMR Project by practically making them to sit along with the TANGEDCO Team and viewing the functioning of the AMR Project through online. This request was accepted by TANGEDCO Head Quarters and accordingly, they have assured to organize suitable training programs at Tirunelveli and Udumalpet where the WEG population is high. We must wait for the training schedule to be notified. Having a help desk on 4th to 6th of February at Tirunelveli and Udumalpet SE offices along with Associations' representatives to help in getting generation statement along with TANGEDCO Head Quarters Team.

3. Master Data details not updated:

Master Data details, like Name of the Company owning WEG, OA Consumer details, WF HTSC No., Consumer EDC Code, List of Captive Consumers in case of CGP WEGs and Start Date as per current EWA etc., have to be still updated correctly in the systems/servers. Once consumers/WEG owners are allowed to log in to the system, these items can be corrected suitably for providing correct and current information in respect of all WEGs. From 28th January onwards, for Master Data Correction, server will be allowed to be viewed by the consumers and necessary corrections required could be done at each SE office itself.

4. How to make the Meter Reading at Section 10(1) SS:

This matter was discussed in detail. As per the arrangement now going on, the Section 10(1) Sub Stations are the Pooling Stations where the actual recording of generation is being done and allotted to individual WEGs participating in the Pooling Station. Now, in the AMR Project, the individual meter reading would commence directly from WEGs. Therefore, the T&D Loss and other Wheeling and Transmission Charges have to be worked out based on WEG-wise respectively. However, during the period of Transit from Manual Reading to Automatic Reading, both the systems will function without creating any confusion. Therefore, for 10(1) Sub Stations, until TANGEDCO finalizes the Methodology for transmission loss calculations, the injection voltage would be taken as 33kV.

5. Voluminous Data to be entered if it is manual entry for allocation:

Each data pertaining to each WEG would be having accumulated details of generation of wind energy on 5 slots. Therefore, for each WEG, it will be totaled, and a final figure would be reflecting at the end of the month on each slot-wise. In respect of CGP windmills, the allocation is at the part of the generator and therefore, voluminous work has to be done by the generators. This requires time. Accordingly, TANGEDCO has agreed to provide time of five days on closure of every month for making the right allocation to happen. Accordingly, for example, if the generation statement is closed by 31st January 2019, the statement may be available in the server for three days and the CGP Generator will be allowed time to make allocations by availing three / five more days and accordingly, the Consumption end SE would receive the allocation statement by 6th / 8th of February 2019. Thereafter, CC bill will be generated by the Consumption End SE and the consumer will be allowed time to pay the same within seven days, may be by 13th / 15th of February 2019. Once the system gets regularized, this would be by a cycle going on correctly with the billing cycle. Once the meter reading is closed on 30th or 31st of every month at 12.00 midnight, the generation statement for WEGs will be kept ready for next three days for the viewing of generators / consumers at the Data Server. Data server will take three days to prepare the final Generation Statement for all the WEGs depending up on the comments received from generators. i.e. it will be completed on the 6th only. However, instead of three days, stakeholders demanded to allow 5 days to prepare the allocation statement, which will be closed on 8th of the succeeding month. TANGEDCO would however, confirm whether they are going to allow three days or five days. After these 3 or 5 days, the CC bill has to be prepared at the consumption end and payment of dues to the consumer to be fixed giving 7 days' time limit.

6. If, in case banking happens in this month due to 45-50 days of generation, any solution on banking charge:

Due to the closure of meter reading at WEG sites on the last day of a calendar month, the accumulation of banked units would be high as the reading is for a period of more than a month. However, considering the low generation happening during January / February / March 2019, this extended reading at WEG sites may not lead to any high level of banking. Even if banking happens, WEGs have to bear the banking charges which may not occur in almost all cases.

7. How allocation has to be done i.e. generation + banking or separately?

Allocation has to be done based on current month generation and in case of any shortage, the banked units can be redrawn for allocation and therefore, it would be a scheme as per the present practice.

8. Owner of the meter?

It was discussed in detail and the CFC-Revenue agreed that in case of the consumer owning the meter, no meter rent will be collected whether it is at WEG site or at the Consumption end. Cases of demand of meter rent on consumer owned meters can be referred to CFC-Revenue.

9. The methodology to be followed for adjustment of higher slot units against lower slot consumption:

It would be done as per the present practice and therefore, at the option of the consumers only, the allocation of available higher slot units against lower slot consumption would happen and not as an automatic route.

TANGEDCO HQ is open and willing to address all the issues when it comes to the implementing of the AMR Project to the satisfaction of the consumers without losing any rights and privileges the consumers are enjoying now. TANGEDCO is also proposing to conduct few more meetings during this month and March 2019, to make the project a success.

With the Vote of Thanks by the FC-Revenue and EE NCES, the meeting came to an end by 5.30 p.m. followed by the Demo at the servers.

The guidelines given by TANGEDCO for using open access energy adjustment and accounting software is attached for your reference.

For any clarification, please feel free to send your queries to iwpahq@windpro.org with a cc to secretary.general@windpro.org

Thanking you

Yours faithfully

For Indian Wind Power Association

(Prof. Dr. K Kasthurirangaian)
Chairman

Encl.: AMR Guidelines (10 Sheets)