

Annexure iii

Automatic Weather Station

Current status of the AWS installed in 385 Block of Tamil Nadu under NADP schemes

a. Installation details

Phase	Title	Status
NADP Phase I	Establishment of Automatic Weather Stations in Tamil Nadu	Installed 224 AWS and handed over to DoA by 31.3.2015
NADP Phase II	Expansion of Automatic Weather Station network in 73 blocks of Tamil Nadu-Phase II under NADP 2011-12	The installation of both phase II (73 AWS) and Phase III (88 AWS) were completed successfully. These 161 AWS were merged in to Tamil Nadu Agricultural Weather Network (TAWN) along with Phase I (224 AWS), totally 385 AWS in every block of Tamil Nadu. The stocks were physically handed over to the DoA on 31.3.2015.
NADP Phase III	Expansion of Automatic Weather Station network in 88 blocks of Tamil Nadu-Phase III under NADP 2012-13	

- All the 385 AWS have been handed over to Dept. of Agriculture by 31.3.2015. Now TNAU is maintaining the server and providing technical support.

- Free warranty period of Phase I – 224 AWS was ended by 2013 and AMC was paid continuously up to 2015, then due to lack of funds AMC was not paid properly. Free warranty period of NADP phase II & III – 161 AWS also ended on 31.03.2017. Due to want of funds, AMC could not be effected for all the 385 AWS.
- During the warranty period, about 57 theft and damaged sites all over Tamil Nadu were replaced with new one by the suppliers without any charges till 2016. Still the damage and thefts are go on continuing in both old theft locations and new locations. Hence, the damage and theft are continuing, the suppliers have not done any replacement after 2016 and now requesting funds for replacement.
- Now, many of the land owners have requested to shift the AWS to new locations.

b. Current status

- Out of 385, about 70 AWS are working and sending data to the TNAU server. About 130 AWS have been shut down due to expiry of batteries, 85 sites have minor repairs in sensors and about 100 AWS are completely spoiled due to theft and damages by trespassers and animals. The 100 AWS in operation are also require changing of new batteries.
- As per the 84th SWC proceedings, ACRC is sending available AWS data to the Director of Agriculture and Commissioner of Revenue and Disaster Management from 24.09.2019 on daily basis.
- Being a electronic instrument, lack of AMC, dust and bee comps on the sensors resulted in erratic readings. Many of the AWS batteries were end of life, as they also older than five years.
- With reference to the APC review meeting proceedings held at the Secretariat on 9.10.19 and follow up review meeting held at FC&RI, Mettupalayam, a ground truth survey of all the AWS in 385 block is in progress to collect exact status of AWS with two teams and about 360 stations have been completed so far.
- The exact status and estimate for the rectification of all the 385 will be presented by the Director, Crop Management to the APC during SWC review on 26.11.19.