

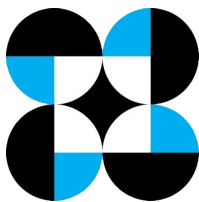
RESPONSE TO RTEC COMMENTS

SETUP CORE ☐ LOCAL GIA ☒

Project Title:	Strengthening Weather Monitoring System Through Hydrologic Response Modeling in Mag-asawang Tubig Watershed
Beneficiary/Proponent:	MinSU – Main Campus
Province:	Oriental Mindoro
Amount Requested:	Php 2,411,639.58
Date of Evaluation:	July 21, 2021

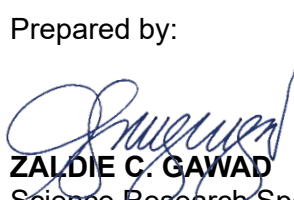
RTEC Comments	Response
The variables in the proposed LIB are more than Php 50,000.00. With this, submit the breakdown of those budget being requested. Specifically, in the MOOE and Personal Services.	<i>Please see revised LIB</i>
Define the responsibilities and expected outputs of the project leader and project staff under DOST-MIMAROPA. Justify and differentiate the responsibilities and expected outputs of the project staff and the research assistant and research analyst.	<i>Please see Page 4 and 5 of the Revised Proposal</i> <i>The project leader will be in charge of the development of the Arduino-based synoptic weather station and will be leading the conduct of site assessment and validation for the proposed site of installation of the device.</i> <i>The project staff from DOST-MIMAROPA (OrMin) will assist in the deployment, performance evaluation, maintenance and troubleshooting of the deployed synoptic weather station, assist in monitoring, inspection, maintenance and troubleshooting of the installed weather monitoring device, assist in the conduct of capability building activities, and conduct project monitoring, documentation, and evaluation.</i>
Submit the quotations of the equipment requested in the project.	<i>Please refer to the submitted Quotation</i>
For the soil analysis, topographic maps are already available in the National Mapping and Resource Information Authority (NAMRIA) to reduce the number of the activities of this project. These materials can be scoped through pantograph.	<i>In terms of soil data analysis, the extracted boundaries of the proposed study area clipped from a raster file will be overlayed to the Land Use and Land Cover (LULC), topographic maps, soil type and Digital Elevation Model (DEM) available in the National Mapping and Resource Information Authority (NAMRIA), and BSWM. These parameters are vital in establishing an</i>

"Hatid ay makabagong solusyon!"



	<i>accurate and reliable hydrologic model of the Mag-asawang Tubig Watershed. Likewise, the researchers will consider the use of data sets of FAO DSMW (Digital Soil Map of the World) from UN FAO which has complete attributes of data needed to process the model excluded in the parameters considered in the Philippine Soil Map.</i>
Utilize the data coming from other similar projects like Project NOAH. Utilize also the data coming from DIWATA to make the research and updating of the weather more holistic.	<i>Modeling needs historical time-series climatic data sets to run the hydrologic model of the proposed study area and to determine its water yield, usually it is based on a 10–20 years atmospheric data. To come up with a holistic research output, existing historical data from other government-related projects such as Project NOAH and DIWATA will be utilized as baseline information. However, based on the initial coordination with concern authorities, it was identified that there is a scarcity of reliable data due to the absence of weather monitoring instrument installed within the identified watershed. This concern will be addressed by using satellite images through accessing data sets from different available satellites including CHIRPS, CFSR and ERA 5 that will be correlated to the nearest Synoptic Weather Station to assess the R-squared through regression analysis.</i>

Prepared by:


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