

| PROJECT REVIEW REPORT

This project review report includes findings raised during Verra's review of the project specified below. The VVB must address the findings before the project request can be considered for approval by Verra. The project review report will be made publicly available on the Verra Registry. Confidential information may be provided in separate attachments.

Project ID	4071
Project Name	Bundled Rooftop Solar Power Project by SPPL 01
Review Type	Registration Approval
Program(s)	VCS Program
Project Proponent	Multiple Proponents
Methodology	AMS-I.F.: Renewable electricity generation for captive use and mini-grid— Version 5.0
VVB	4K Earth Science Private Limited
Assessment Criteria	VCS Standard, v4.5
Date of First Issue	11 August 2024
Date of Second Issue	23 October 2024
Review Conclusion	Registration approved
Date of Final Issue	05 February 2025

FINDINGS

#	Finding Description	VVB Response	Status
1	Project eligibility and additionality		
	<u>Issue</u> - As per section 1.1 and several other sections of the PD, the project supplies surplus electricity to the grid and further equivalent energy will be consumed from the grid through a net metering arrangement with the state electricity board. As per Table 1 of the VCS Standard v4.5, grid-connected electricity generation activities using solar PV are excluded from the scope of the VCS program. The PD and VR do not include any justification and assessment of how the project is not grid-connected. - In light of the above issue, the project must not fall under the definition of 'grid-connected'. Therefore, the reference to TOOL 21 and subsequently the usage of TOOL 32 (positive list) para 17 is not applicable to prove additionality in section 3.5 of the PD. <u>Action Required</u> - The VVB must ensure that the PP clarifies if the project is connected to the grid or not and provide an assessment on the same in relevant section of the Validation Report. It must demonstrate that only less than 50% of the total electricity generated is exported to the national grid. Further, to ensure that the project falls under the definition of 'not-grid-connected', they are required to attest the same during every monitoring period. - The VVB must ensure that the PP follows a correct and applicable method to demonstrate additionality in section	Round 1 VVB Response - As per Section 1.1 of the PD, the project activity is set up to generate solar electricity for meeting the captive requirement of the industrial premises and surplus electricity, in case of any exigency scenarios will be exported to the grid through a net metering arrangement with the State Electricity Board. The capacity of the solar rooftop installation is limited to contracted load at the industrial premises and the electricity generated is primarily used for captive use. We acknowledge that Table 1 of the VCS Standard v4.5 excludes grid-connected electricity generation activities using solar PV from the scope of the VCS program. However, we emphasize that our project's primary objective of solar generation is to meet captive use and net metering is done only for allowing us to supply surplus energy in case of any exigency scenarios. - The project activity does not fall under the definition of 'grid connected' project. the solar electricity generated from rooftop installation shall be primarily used for captive purpose and the connection to the grid is for exporting electricity to grid during unforeseen scenario therefore it comes under off grid projects. Hence TOOL 21 is used to demonstrate the additionality. The assessment regarding the project is off grid project is given in the PD and the FVR. The assessment on usage of tool 21 to demonstrate the additionality is clearly explained in the revised FVR.	Closed

	3.5 of the PD. Further, they must provide an assessment on the same in section 3.3.5 of the VR. <u>Program Rule(s)</u> VCS Standard v4.5, Section 2.1, 3.14 VCS Project Description Template v4.3 Section 1.1, 3.5 VCS Validation Report Template v4.3, Section 3.3.5	<u>Verra Response</u> The VVB must ensure that the project documentation includes a monitoring parameter to ensure that only less than 50% of the total electricity generated is exported to the grid. The finding remains open.	
		Round 2	
		<u>VVB Response</u> The PP has included a new monitoring parameter to ensure that only less than 50% of the total energy generated from the project will be deliver to the grid that too at a unavoidable situation hence this parameter is evident to monitor the amount of energy deliver to the grid, The validation team reviewed and confirmed that the parameter included is valid and acceptable. The assessment regarding the same is included in the revised VR	
		<u>Verra Response</u> Parameter EGgrid,final has been included in Section 5.2 of the PD to ensure that 50% of the electricity generation is exported to the grid. No further action is required.	

#	Finding Description	VVB Response	Status
2	Missing and incorrect information		
	<u>Issue</u> 1. The referred section number has been included incorrectly in the following sentence of the Section 1.1 of the PD: ".....details are provided in Section 1.12 of this document". 2. Appendices are incorrectly included in the table of contents in the PD. 3. All appendices have not been included in the Table of	Round 1 <u>VVB Response</u> 1. The project location details are provided in the section 1.13 and the same has been updated in the section 1.1 of the PD. 2. The public comment period included correctly in Section 2.1.5 of the PD.	CLOSED

Contents of the Validation Report. - The date and version of the PD have been included incorrectly in Appendix 2 of the Validation Report. - The public comment period has not been included correctly in Section 2.1.5 of the PD. - The values of the parameters $EF_{grid,OM,y}$, $EF_{grid,BM,y}$, and $EF_{grid,CM,y}$ in Section 3.4 of the PD are not in line with the ER calculation spreadsheet. - The following sentence is incorrect in Section 1.18 of the PD: "The Project Activity is expected to reduce 96,145 tCO_{2e}/year....". - The vintage base distribution of the estimated GHG emission reductions for years 2023 and 2029 has been stated incorrectly in the Section 1.11 and 4.4 of the PD and section 3.3.6 of the Validation Report. - The end users of the project activity (industries/households etc.) are not clearly indicated in section 1.1 or any other section of the PD. - The justification of the project start date in section 1.9 of the PD is inconsistent with section 3.8 of the VCS Standard v4.5. - PP has not answered the Question "Are the project activities mandated by any law, statute, or other regulatory framework?" in section 3.5.1 of the PD. - Value of parameter $EF_{grid, BM, y}$ is stated incorrectly as 0.869 tCO_{2e}/MWh instead of 0.8687tCO_{2e}/MWh throughout the project documents <u>Action Required</u> The VVB must ensure that the above-mentioned issues are addressed in the PD and VR. <u>Program Rule(s)</u> VCS Standard v4.5, Section 2.2.1	- No Appendices is included in PD and therefore removed from table of contents. - All appendices have been included in the Table of Contents of the Validation Report. - The public comment period included correctly in Section 2.1.5 of the PD. - The values of the parameters $EF_{grid,OM,y}$, $EF_{grid,BM,y}$, and $EF_{grid,CM,y}$ in Section 3.4 of the PD are taken from the latest available data at the time of validation. It has been made consistent in ER calculation spreadsheet. - Section 1.18 of the PD has been updated. - Start date of the project activity is 05/01/2023 and vintage years are updated accordingly in section 1.11 and 4.4 of the PD. - The end users of the project activity are the project proponents thus the industries. - The justification has been updated in section 1.9 of the PD according to the VCS standard v4.5. - The section 3.5.1 of the PD has been updated in the PD - The values of $EF_{grid,BM,y}$ has been taken from the latest available data at the time of validation. It has been made consistent across various sections in the PD. <u>Verra Response</u> The finding is closed, and no further action is required.	
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	VCS Project Description Template v4.3 VCS Validation Report Template v4.3		
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#	Finding Description	VVB Response	Status
3	On-site visit interviews		
	<u>Issue</u> 1. The VVB hasn't provided sufficient information on how it arrived at a reasonable level of assurance in Section 2.3 of the Validation Report without interviewing local stakeholders and/ or their representatives and personnel from Ascen Tex Private Limited and Sri Jayajothi Power Management Company Private Limited respectively. 2. The discussed topics during the on-site visit have not been included in Sections 2.3 and 2.4 of the Validation Report. <u>Action Required</u> 1. The VVB shall clarify in Section 2.3 of the Validation Report how it arrived at a reasonable level of assurance without interviewing any local stakeholders and personnel from Ascen Tex Private Limited and Sri Jayajothu Power Management Company Private Limited 2. The VVB shall include the details of the topics discussed during the on-site visit in Sections 2.3 and 2.4 of the Validation Report. <u>Program Rule(s)</u> VCS Standard v4.5, Section 2.2.1 VCS Validation Report Template v4.3, Section 2.3, 2.4	<u>Round 1</u> <u>VVB Response</u> 1. The interview with personnels and LSC of every site were performed the same is recorded in the VVB attendance sheet, the typo mistake is happened while incorporating the details in the validation report now all personnels of the various industries and LSC name has been updated in the revised VR hence the reasonable level of assurance is arrived. 2. The discussed topic and the questions asked from various topics has been included in the section 2.3 of the VR. <u>Verra Response</u> The finding is closed, and no further action is required.	CLOSED

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4	Missing VVB assessment		
	<u>Issue</u> The VVB has not provided details on how they checked the	<u>Round 1</u> <u>VVB Response</u>	CLOSED

following during validation: 1. The PLF value used for calculation in the ER spreadsheet. 2. The installed capacity of the SPVs. 3. The transmission loss value used for calculation in the ER spreadsheet. 4. Whether the values of parameters $EF_{grid,OM,y}$, $EF_{grid,BM,y}$ and $EF_{grid,CM,y}$ parameters are calculated as per the latest available data at the time of validation. 5. The project location. 6. Meter (including the manufacturer, brand/model, serial number, accuracy class) and calibration details. 7. VVB assessment in line with section 2.1.4 of the PD is missing from section 3.2.13 of the Validation Report. <u>Action Required</u> The VVB must justify how they checked the above-mentioned project details at the time of the site visit in relevant sections of the Validation Report <u>Program Rule(s)</u> <i>VCS Standard v4.5, Section 2.2.1</i> <i>VCS Validation Report Template v4.3</i>	1. PLF for the various solar installations are taken from the individual third-party assessment reports shared by the PP the same assessed in the revised VR. 2. Installed capacity of the SPV is validated from the Noted for Record approval provided by state utility TANGEDCO for the various installations the same is assessed and included in the revised FVR. 3. As per CDM approved methodology AMS I.F, the transmission loss value has been removed from the ER spreadsheet the same is confirmed by the VVB. 4. The values of parameters $EF_{grid,OM,y}$, $EF_{grid,BM,y}$ and $EF_{grid,CM,y}$ parameters are calculated as per Baseline CO2 Emission Database, Version 19.0, November 2023 published by Central Electricity Authority (CEA), Government of India which is the latest available data at the time of validation the same is verified by the validation team. 5. KMZ file capturing the geo-coordinates of all the project locations has been verified and the corresponding Images are included in the PD. 6. The meter details are included in the PD and the same is assessed in the revised VR. 7. The assessment of section 2.1.4 for is now included in the section 3.2.1.3 of the VR. <u>Verra Response</u> The finding is closed, and no further action is required.	
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#	Finding Description	VVB Response	Status
5	Monitoring details		
	<u>Issue</u> 1. Sections 5.2 and/or 5.3 of the PD do not include details of including the manufacturer, brand/model, serial number, and accuracy class of the installed meters.	Round 1 <u>VVB Response</u> 1. The details of Meter is included in Section 5.3 of the PD the same is reviewed and confirmed by the validation team. 2. The required procedure for handling identified non	CLOSED

	2. The procedures for handling identified non-conformities is missing from section 5.3 of the PD. 3. The procedure for calibrating the electricity meters (responsible entity/person, follow-up method, relevant legal regulation/standard, validity period etc.) is missing from section 5.3 of the PD. <u>Action Required</u> The VVB must ensure that the above-mentioned issues are included in section 5.3 of the PD by the PP. Further, they must provide an assessment on the in relevant sections of the Validation Report. <u>Program Rule(s)</u> VCS Standard v4.5, Section 2.2.1, 3.16 VCS Project Description Template v4.3, Section 5.3 VCS Validation Report Template v4.3	conformities has been included in PD and the same is assessed in the VR. 3. The procedure for calibration is included in the PD same is assessed in the revised VR. <u>Verra Response</u> The finding is closed, and no further action is required.	
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