Project Verification Report Form (VR)	
BASIC INFORMATION	
Name of approved UCR Project Verifier / Reference No.	SQAC Certification Pvt. Ltd.
Type of Accreditation	☐ CDM or other GHG Accreditation ☐ ISO 14065 Accreditation ☒ UCR Approved
Approved UCR Scopes and GHG Sectoral scopes for Project Verification	01 Energy industries (Renewable/Non Renewable Sources)
Validity of UCR approval of Verifier	October 2021 onwards.
Completion date of this VR	17/03/2025
Title of the project activity	4 MW Bundled Solar Projects, Motikundal, Botad, Gujarat, India.
Project reference no.	UCR ID: **467**
Name of Entity requesting verification service	M/s. Hariom Solar Park. & M/s. Yojan Solutions Pvt. Ltd.
Contact details of the representative of the Entity, requesting verification service	M/s. Hariom Solar Park. (Project Owner) Contact Person: Mr. Suresh Botadara Registered office: - Hariom Offset, Paliyad Road, District-Botad- 364719. M/s. Yojan Solutions Pvt. Ltd. (Project Aggregator) Contact Person: Ms. Dipti Raval

	Email: projects@yojan.in Registered office: - 17-18, Nilamber Bliss, Gotri-Sevasi Road, Vadodara 390021.
Country where project is located	India
Applied methodologies (approved methodologies by UCR Standard used)	Applied Baseline Methodology: AMS-I.D.: "Grid connected renewable electricity generation", version 18 Standardized Methodology: Baseline: UCR Protocol Emission Factor
GHG Sectoral scopes linked to the applied methodologies	01 Energy industries (Renewable/Non-Renewable Sources)
Project Verification Criteria: Mandatory requirements to be assessed	☒ UCR Standard ☒ Applicable Approved Methodology ☐ Applicable Legal requirements /rules of host country ☒ Eligibility of the Project Type ☒ Start date of the Project activity ☒ Meet applicability conditions in the applied methodology ☒ Credible Baseline ☒ Do No Harm Test ☒ Emission Reduction calculations ☒ Monitoring Report ☒ No GHG Double Counting ☐ Others (please mention below)
Project Verification Criteria: Optional requirements to be assessed	☒ Environmental Safeguards Standard and do-no-harm criteria

	☒ Social Safeguards Standard do-no-harm criteria
Project Verifier's Confirmation: The *UCR Project Verifier* has verified the UCR project activity and therefore confirms the following:	The UCR Project Verifier SQAC Certification Pvt. Ltd., certifies the following with respect to the UCR Project Activity 4 MW Bundled Solar Projects, Motikundal, Botad, Gujarat, India. ☒ The Project Owner has correctly described the Project Activity in the Project Concept Note V.3 dated 11/03/2025 and Monitoring Report V2 dated 11/03/2025 including the applicability of the approved methodology AMS -I.D. :"Grid connected renewable electricity generation", version 18, Standardized Methodology: Baseline: UCR Protocol Emission Factor and meets the methodology applicability conditions and has achieved the estimated GHG emission reductions, complies with the monitoring methodology and has calculated emission reductions estimates correctly and conservatively. ☒ The Project Activity is generating GHG emission reductions amounting to the estimated **26,394 tCO_{2eq}**, as indicated in the MR V2, which are additional to the reductions that are likely to occur in absence of the Project Activity and complies with all applicable UCR rules, including ISO 14064-2 and ISO 14064-3. ☒ The Project Activity is not likely to

	cause any net-harm to the environment and/or society. ☒ The Project Activity complies with all the applicable UCR rules and therefore recommends UCR Program to register the Project activity with above mentioned labels.
Project Verification Report, reference number and date of approval	Verification Report UCR Project ID: 467 dated 17/03/2025
Name of the authorised personnel of UCR Project Verifier and his/her signature with date	  Santosh Nair Lead Verifier (Signature) SQAC Certification Pvt Ltd

PROJECT VERIFICATION REPORT

Section A. Executive summary

M/s. Yojan Solutions Pvt. Ltd. has contracted SQAC Certification Pvt. Ltd. to carry out the verification of the project activity of "4 MW Bundled Solar Projects, Motikundal, Botad, Gujarat, India", UCR approved project ID:467, to establish number of CoUs generated by project over the crediting period from **01/11/2020 - 31/12/2024** (04 years 02 months)

We believe that the total GHG emission reductions over the crediting / verification period stated in the Monitoring Report V2(MR), submitted to us is accurate and in line with the UCR guidelines.

The GHG emission reductions were calculated based on UCR Protocols which draws reference from, CDM UNFCCC Methodology, AMS-I.D.: "Grid connected renewable electricity generation", version 18, Standardized Methodology: Baseline: UCR Protocol Emission Factor. The verification was done remotely by way of video calls / verification, phone calls and submission of documents for verification through emails as per UCR guidelines.

SQAC is able to certify that the emission reductions from 4 MW Bundled Solar Projects, Motikundal, (UCR ID – 467) for the period **01/11/2020 to 31/12/2024** amounts to **26,394 CoUs** (**26,394 tCO_2eq**)

Project Verification team, technical reviewer and approver

Section B. Project Verification Team

Sr. No.	Role	Last name	First name	Affiliation	Involvement in		
					Doc review	Off-Site inspection	Interviews
1.	Team Leader	Nair	Santosh	n/a	yes	yes	yes
2.	Validator	Nair	Santosh	n/a	yes	yes	yes

Technical reviewer and approver of the Project Verification report

Sr. No.	Role	Type of resource	Last name	First name	Affiliation
1.	Technical reviewer	IR	Shinganapurkar	Praful	SQAC Certification Pvt. Ltd
2.	Approver	IR	Shinganapurkar	Praful	SQAC Certification Pvt. Ltd

Section C. Means of Project Verification

C.1. Desk/document review

As part of the review and validation process, M/s. Yojan Solutions Pvt. Ltd. submitted a comprehensive set of documents for examination to the Lead Verifier. The documents included the Project Concept Note V3 (PCN), Monitoring Report V2 (MR), Emission Reduction calculation sheet, Commissioning Certificate, Power Purchase Agreement, Invoices, Work orders, Joint Meter Readings and additional data provided upon request pertaining to all related projects. These documents were thoroughly reviewed to ensure compliance with relevant standards and guidelines, and to validate the accuracy and completeness of the information provided.

C.2. Off-site inspection

Date of offsite inspection: 11/12/2024			
Sr. No.	**Activity performed Off-Site**	**Site location**	**Date**
1.	Interview conducted over Video call/Telephonic discussions	Botad, Gujarat	11/12/2024
2	Supporting documents provided before, during, and after the verification.	Botad, Gujarat	11/12/2024 to 13/03/2025

C.3. Interviews

Sr. No.	Interview			Date	Subject
	Name	Designation	Affiliation		
1	Kavit Dave	CA	M/s. Hariom Solar Park	11/12/24	Compliance, Meter Calibration, Joint Meter Readings and Invoices.
2	Mahendra Singh Zala	Electrical Engineer	M/s. Hariom Solar Park	11/12/24	Double Counting and project commissioning and overview

C.4. Sampling approach

Not applicable

C.5. Clarification request (CLs), corrective action request (CARs) and forward action request (FARs) raised

Areas of Project Verification findings	No. of CL	No. of CAR	No. of FAR
Green House Gas (GHG)			
Identification and Eligibility of project type	Nil	Nil	Nil
General description of project activity	Nil	Nil	Nil
Application and selection of methodologies and standardized baselines			
- Application of methodologies and standardized baselines	Nil	Nil	Nil
- Deviation from methodology and/or methodological tool	Nil	Nil	Nil
- Clarification on applicability of methodology, tool and/or standardized baseline	Nil	Nil	Nil
- Project boundary, sources and GHGs	Nil	Nil	Nil
- Baseline scenario	Nil	Nil	Nil
- Estimation of emission reductions or net anthropogenic removals	Nil	Nil	Nil
- Monitoring Report	Nil	Nil	Nil
Start date, crediting period and duration	Nil	Nil	Nil
Environmental impacts	Nil	Nil	Nil

Project Owner- Identification and communication	Nil	Nil	Nil
Power generation data for the year 2024	01	Nil	Nil
Total	01	Nil	Nil

Section D. Project Verification Findings

D.1. Identification and eligibility of project type

Means of Project Verification	Review of Project Registration: Verification of the project's registration under Universal Carbon Registry (UCR) as a small-scale renewable energy project (UCR Project ID: 467), ensuring compliance with the criteria outlined in the applied methodology AMS-I.D. Version 18. Site-Specific Details: Validation of the geographic coordinates (Village: Motikundal, District: Botad, Gujarat) and installed capacity (4.0089 MW), confirming the project's physical location and alignment with the declared type of activity. Technical Documentation: Examination of installed technology and equipment specifications, such as Mono Perc solar panels manufactured by TRINA and ABB inverters, to ensure the project uses renewable energy technology as per methodology requirements. Baseline and Emission Factor: Validation of the baseline scenario defined in the monitoring report, where the project displaces grid-connected electricity generated predominantly by fossil fuels, using the UCR-recommended emission factor of 0.9 tCO2/MWh for the 2020–2023 vintage and emission factor of 0.757 tCO_2/MWh for 2024 vintage
Findings	Upon verification, it was found that the project "4 MW Bundled Solar Projects, Motikundal, Botad, Gujarat, India" has been identified as a small-scale, grid-connected renewable energy project under the Universal Carbon Registry (UCR Project ID: 467), with an installed capacity of 4.0089 MW using Mono Perc solar photovoltaic technology and ABB

	inverters. It meets the eligibility criteria outlined in AMS-I.D. Version 18, as it displaces fossil fuel-based grid electricity with renewable solar energy, contributing to greenhouse gas (GHG) emission reductions. The project adheres to Gujarat's Solar Policy 2015 and complies with UCR standards, with no evidence of double counting or de-bundling, ensuring its eligibility as a renewable energy project.
Conclusion	In conclusion, the "4 MW Bundled Solar Projects, Motikundal, Botad, Gujarat, India," registered under UCR (Project ID: 467), qualifies as an eligible small-scale, grid-connected renewable energy project as per AMS-I.D. Version 18. The project's technical setup, including Mono Perc solar photovoltaic technology and ABB inverters, aligns with renewable energy standards. It displaces grid electricity predominantly generated from fossil fuels, achieving verifiable GHG emission reductions. Compliance with Gujarat's Solar Policy 2015, adherence to UCR methodologies, and absence of de-bundling or double counting further validate its eligibility and conformity with the defined project type.

D.2. General Description of Project Activity

Means of Project Verification	Review of Purpose and Objectives: Verification of the project's stated purpose to generate renewable energy through a grid-connected solar photovoltaic system, reducing greenhouse gas (GHG) emissions by replacing conventional energy sources. Examination of Project Design: Assessment of the design and operational setup, including ground-mounted solar parks (Gopinath, Surya, Shakti, and Hariom Solar Parks) with a combined capacity of 4.0089 MW, ensuring the activity aligns with renewable energy objectives. Validation of Location and Infrastructure: Cross-checking the project's geographic location (Village: Motikundal, District: Botad, Gujarat) and its connection to the 66 kV substation as specified in the report, ensuring compliance with local energy distribution frameworks. Technical Specification Verification: Review of installed equipment, including Mono Perc solar panels and ABB string inverters, to ensure the project utilizes clean and efficient renewable energy technology with no associated GHG emissions during operation. Compliance with Regulatory Frameworks: Examination of project documentation, such as the Power Purchase Agreement (PPA) and connectivity permissions, confirming adherence to regulatory requirements and policies like Gujarat's Solar Policy 2015.
Findings	Upon verification, it was found that the "4 MW Bundled Solar Projects, Motikundal, Botad, Gujarat, India," aims to generate renewable energy for captive consumption through a grid-connected ground-mounted solar photovoltaic system. The project comprises four solar parks (Gopinath, Surya, Shakti, and Hariom) with a combined installed capacity of 4.0089 MW and uses Mono Perc solar

	panels and ABB inverters to ensure clean energy generation without greenhouse gas (GHG) emissions. Located in Motikundal, Botad district, Gujarat, and connected to the 66 kV substation, the project aligns with Gujarat's Solar Policy 2015, contributing to climate change mitigation by displacing fossil fuel-based grid electricity. The project's infrastructure, operational framework, and compliance with regulatory standards demonstrate its effectiveness in achieving sustainable development goals.
Conclusion	In conclusion, the "4 MW Bundled Solar Projects, Motikundal, Botad, Gujarat, India," effectively fulfils its objective of generating renewable energy through a grid-connected ground-mounted solar photovoltaic system, contributing to climate change mitigation. The project's design, comprising four solar parks with a total capacity of 4.0089 MW, uses advanced Mono Perc solar panels and ABB inverters, ensuring clean energy generation without greenhouse gas (GHG) emissions. Its strategic location in Gujarat, adherence to Gujarat's Solar Policy 2015, and compliance with regulatory frameworks further affirm the project's contribution to reducing fossil fuel dependency and supporting sustainable energy solutions.

D.3. Application and selection of methodologies and standardized baselines

D.3.1 Application of methodology and standardized baselines

Means of Project Verification	Verification of Methodology Compliance: Review of the applied methodology, AMS-I.D. Version 18, "Grid-connected renewable electricity generation," to confirm its appropriateness for a small-scale renewable energy project with an installed capacity of 4.0089 MW. Assessment of Baseline Scenario: Validation of the baseline scenario, which assumes that electricity delivered to the grid by the project would otherwise have been generated by grid-connected fossil fuel-based power plants, in alignment with the methodology. Review of Emission Factor and Calculations: Examination of the UCR-recommended grid emission factor of 0.9 tCO2/MWh for the 2020–2023 vintage and emission factor of 0.757 tCO_2/MWh for 2024 vintage and the associated calculations for emission reductions, ensuring they follow a conservative approach as per methodology requirements. Evaluation of Project Boundaries and GHG Sources Verification of the project boundaries, including the solar PV system and the Indian grid, and the inclusion of CO_2 as the primary GHG in the baseline emissions, ensuring no other GHGs or emissions are applicable to the project activity.
Findings	Upon verification, it was found that the project applies the AMS-I.D. Version 18 methodology, "Grid-connected renewable electricity generation," which is appropriate for the 4.0089 MW small-scale solar project. The baseline scenario assumes that electricity supplied by the project would have been generated by fossil fuel-based grid-connected power plants, aligning with the methodology requirements. The UCR-recommended emission

	factor of 0.9 tCO2/MWh for 2020–2023 vintage and emission factor of 0.757 tCO_2/MWh for 2024 vintage is conservatively applied, and the project's emission reductions are calculated as the difference between baseline emissions and project emissions, with no project or leakage emissions reported. The project boundary includes the solar PV system and the Indian grid, with CO2 as the sole GHG accounted for, ensuring compliance with the standardized baselines and methodology.
Conclusion	In conclusion, the "4 MW Bundled Solar Projects, Motikundal, Botad, Gujarat, India," correctly applies the AMS-I.D. Version 18 methodology and UCR standardized baselines, ensuring compliance with all relevant criteria for a small-scale, grid-connected renewable energy project. The baseline scenario and emission reductions are conservatively calculated using the UCR-recommended emission factor 0.9 tCO2/MWh for the 2020–2023 vintage and emission factor of 0.757 tCO_2/MWh for 2024, with no project or leakage emissions identified. The defined project boundary, encompassing the solar PV system and the Indian grid, and the inclusion of CO2 as the primary GHG, validate the project's alignment with the methodology and its effectiveness in achieving its emission reduction objectives.

D.3.2 Clarification on applicability of methodology, tool and/or standardized baseline

Means of Project Verification	Review of Applicability Criteria in the Methodology: Examination of the AMS-I.D. Version 18 methodology to ensure the project activity meets the defined criteria for grid-connected renewable electricity generation, including its classification as a small-scale project under the 15 MW capacity threshold. Validation of Renewable Energy Technology: Verification that the project utilizes solar photovoltaic technology with Mono Perc solar

	panels and ABB inverters, meeting the requirement for renewable energy-based power generation as outlined in the methodology. Evaluation of Baseline and Emission Reduction Framework: Assessment of the project's adherence to the baseline scenario and emission reduction calculation guidelines, including the use of the UCR-recommended emission factor of 0.9 tCO2/MWh for the 2020–2023 vintage and emission factor of 0.757 tCO_2/MWh for 2024, ensuring a conservative approach. Confirmation of Absence of Project and Leakage Emissions: Validation that no project emissions (e.g., fossil fuel use) or leakage emissions (e.g., transfer of equipment) are applicable to the project, as confirmed in the monitoring report and methodology guidance.
Findings	Upon verification, it was found that the project complies with the AMS-I.D. Version 18 methodology, which is applicable for grid-connected renewable energy projects under 15 MW capacity, as the total installed capacity is 4.0089 MW. The use of Mono Perc solar photovoltaic technology and ABB inverters ensures the project meets the renewable energy criteria specified in the methodology. The baseline scenario assumes displacement of fossil fuel-based grid electricity, and emission reductions are calculated using the UCR-recommended conservative emission factor of 0.9 tCO2/MWh for the 2020–2023 vintage and emission factor of 0.757 tCO_2/MWh for 2024 period. The monitoring report confirms no project emissions or leakage emissions, further validating the project's alignment with the methodology, tools, and standardized baseline requirements.
Conclusion	In conclusion, the "4 MW Bundled Solar Projects, Motikundal, Botad, Gujarat, India," demonstrates

	clear applicability of the AMS-I.D. Version 18 methodology, aligning with its criteria for grid-connected renewable energy projects under the 15 MW capacity limit. The project employs renewable solar photovoltaic technology, displacing fossil fuel-based electricity from the grid, with emission reductions calculated conservatively using the UCR-recommended emission factor of 0.9 tCO2/MWh for the 2020–2023 vintage and emission factor of 0.757 tCO_2/MWh for 2024. The absence of project and leakage emissions, as confirmed in the monitoring report, further ensures the project's adherence to the methodology, tools, and standardized baseline, validating its emission reduction claims and overall eligibility.

D.3.3 Project boundary, sources and GHGs

Means of Project Verification	Assessment of Defined Project Boundary: Verification of the spatial extent of the project boundary, which includes the solar photovoltaic system and the Indian grid to which the project is connected, as outlined in the AMS-I.D. Version 18 methodology. Identification of GHG Sources: Validation that the baseline emissions are attributed to CO_2 emissions from grid-connected fossil fuel-based power plants, while no CH_4 or N_2O emissions are included due to their minimal relevance to the project activity. Confirmation of Zero Project and Leakage Emissions: Review of the monitoring report to ensure no project emissions are associated with the solar photovoltaic system, as it does not involve fossil fuel combustion or other GHG-producing activities, and that no leakage emissions occur due to equipment transfer or similar activities.

	Evaluation of Emission Factor Application: Examination of the use of the UCR-recommended grid emission factor (0.9 tCO_2/MWh and 0.757 tCO_2/MWh for 2024), ensuring alignment with the baseline emission calculations within the defined project boundary.
Findings	Upon verification, it was found that the project boundary includes the solar photovoltaic system and the Indian grid to which it is connected, as per AMS-I.D. Version 18. The primary GHG considered is CO_2, emitted from fossil fuel-based power plants in the grid, which the project activity aims to displace. The monitoring report confirms that no CH_4 or N_2O emissions are relevant to the project, and there are no project emissions, as the solar photovoltaic system does not involve fossil fuel combustion. Additionally, there are no leakage emissions, as the equipment used is not transferred from other activities. The UCR-recommended emission factor of 0.9 tCO_2/MWh and 0.757 tCO_2/MWh is applied for baseline emission calculations, ensuring compliance with the methodology and accurate accounting of emission reductions.
Conclusion	In conclusion, the project appropriately defines its boundary to include the solar photovoltaic system and the Indian grid to which it is connected, aligning with the AMS-I.D. Version 18 methodology. The project activity addresses CO2 emissions as the primary GHG in the baseline scenario, with no relevance of CH4 or N2O emissions. The absence of project emissions and leakage emissions further validates the project's clean and renewable nature. The use of the UCR-recommended grid emission factor of 0.9 tCO2/MWh and 0.757 tCO_2/MWh for 2024 ensures conservative and accurate baseline emission calculations, confirming the project's adherence to methodology requirements for boundary, sources, and GHG considerations.

D.3.4 Baseline scenario

Means of Project Verification	Review of Methodology Alignment: Verification that the baseline scenario follows AMS-I.D. Version 18, which assumes that electricity delivered by the project would otherwise have been generated by grid-connected fossil fuel power plants. Assessment of Emission Factor: Confirmation of the application of the UCR-recommended emission factor of 0.9 tCO2/MWh for the period 2020–2023 and 0.757 tCO_2/MWh for 2024, ensuring a conservative and standardized approach to calculating baseline emissions. Analysis of Grid Dependency: Validation that, in the absence of the project, the electricity demand would have been met by the Indian grid, which predominantly relies on fossil fuel-based power plants, aligning with the baseline definition in the methodology. Evaluation of Baseline Emission Calculations: Examination of the detailed calculations provided in the monitoring report, where the baseline emissions are derived by multiplying the electricity generated by the project (EGPJ,y) with the emission factor (EFgrid,y), ensuring accuracy and methodological consistency.
Findings	The baseline scenario for the project is defined in accordance with AMS-I.D. Version 18, which assumes that, in the absence of the project, electricity equivalent to the amount generated by the solar PV system would have been supplied by the Indian grid, predominantly powered by fossil fuel-based plants. The monitoring report applies the UCR-recommended emission factor to calculate baseline emissions, ensuring a conservative approach. The baseline emissions are calculated by multiplying the net electricity generation of the project (EGPJ,y) with the emission

	factor (EFgrid,y), accurately reflecting the displacement of fossil fuel-based electricity. This confirms the project's alignment with the defined baseline scenario and its contribution to reducing greenhouse gas emissions. However the historical data on electricity generation of the project (EGPJ,y) used to establish the baseline scenario were validated and it was found that data for the year 2024 has not been correctly captured. Other than that, the baseline scenario aligns with all methodological requirements, including the correct application of default values and parameters, ensuring a robust foundation for emission reduction calculations.
Conclusion	In conclusion, the baseline scenario for the "4 MW Bundled Solar Projects, Motikundal, Botad, Gujarat, India," is appropriately defined and calculated as per AMS-I.D. Version 18. It assumes that, in the absence of the project, the equivalent electricity generation would have been supplied by the fossil fuel-dominated Indian grid. The application of the UCR-recommended emission factors ensures a conservative and standardized approach. The scenario, however is not based on correct data for the year 2024 and hence a CL has been raised to that effect. Subsequently correct data along with its justification has been produced thus ensuring the closure of the CL, and it now aligns with all methodological guidelines, ensuring a robust and credible foundation for calculating emission reductions. This confirms the project's adherence to the prescribed baseline methodologies.

D.3.6 Estimation of Emission Reductions or Net Anthropogenic Removal

Means of Project Verification	Validation of Emission Reduction Formula: Verification of the formula applied for emission reductions: $ERy = BEy - PEy - LEy$ where, BEy represents baseline emissions, PEy project emissions, and LEy leakage emissions.

	This ensures that the calculation methodology aligns with AMS-I.D. Version 18. Review of Baseline Emissions: Assessment of the calculation of baseline emissions (BEy) by multiplying the electricity generated by the project ($EGPJ,y$) with the UCR-recommended emission factor of 0.9 tCO2/MWh for the 2020–2023 vintage and emission factor of 0.757 tCO2/MWh for 2024 vintage. This confirms the conservative estimation of emission reductions. Confirmation of Zero Project and Leakage Emissions: Validation that project emissions (PEy) are zero, as no fossil fuel combustion occurs during solar power generation, and leakage emissions (LEy) are also zero, as there is no transfer of energy-generating equipment. Comparison with Monitoring Data: Cross-checking the monitored electricity generation data and corresponding emission reduction calculations against documented outputs in the monitoring report to ensure consistency and accuracy.
Findings	Upon Verification, the estimation of emission reductions for the "4 MW Bundled Solar Projects, Motikundal, Botad, Gujarat, India," follows the methodology AMS-I.D. Version 18, with emission reductions calculated using the formula (ERy = BEy - PEy - LEy). Baseline emissions (BE_y) are determined by multiplying the electricity generated (EGPJ,y) with the UCR-recommended emission factor of 0.9 tCO_2/MWh for the 2020–2023 vintage and emission factor of 0.757 tCO_2/MWh for 2024 vintage, resulting in total reductions of **26,394 tCO_2e** for the monitoring period. Project emissions (PEy) are zero, as the solar photovoltaic system does not involve fossil fuel combustion, and leakage emissions (LEy) are also zero, as no energy-generating equipment was transferred. The findings confirm the project's accurate and

	conservative estimation of net anthropogenic GHG reductions, validated by consistent monitoring data.
Conclusion	In conclusion, the "4 MW Bundled Solar Projects, Motikundal, Botad, Gujarat, India," accurately estimates emission reductions in compliance with AMS-I.D. Version 18. Using the formula (ERy = BEy - PEy - LEy), the project achieves total emission reductions of **26,394 tCO_2e** for the monitoring period, with baseline emissions calculated conservatively using the UCR-recommended emission factors. The absence of project emissions and leakage emissions further confirms the integrity of the estimations. The consistent and transparent monitoring of electricity generation data validates the project's significant contribution to net anthropogenic GHG removal.

D.3.7 Monitoring Report

Means of Project Verification	Review of Monitoring Period and Data Sources: Verification of the monitoring period (01/11/2020 to 31/12/2024) and data collection methods, including continuous monitoring and monthly recording of electricity generation using calibrated energy meters, as detailed in the report. Validation of Monitoring Parameters Examination of the key monitoring parameters, such as net electricity generation ($EGPJ,y$) and their alignment with the methodology AMS-I.D. Version 18. This includes checking the use of calibrated equipment and adherence to monitoring frequencies and QA/QC procedures. Cross-Checking of Emission Reduction Calculations: Validation of the emission reduction calculations provided in the monitoring report, ensuring consistency with the reported electricity generation data and the applied UCR-recommended grid emission factors.
Findings	The monitoring report for the "4 MW Bundled Solar Projects, Motikundal, Botad, Gujarat, India," comprehensively covers the monitoring period from 01/11/2020 to 31/12/2024, with continuous and monthly recording of electricity generation using calibrated energy meters. The report adheres to the AMS-I.D. Version 18 methodology, monitoring the key parameter of net electricity generation (EGPJ,y), and uses the UCR-recommended grid emission factors to calculate emission reductions. QA/QC procedures, including meter calibration and immediate replacement of faulty meters, were followed as per national standards. The report confirms total emission reductions of 26,394 tCO_2e for the period and demonstrates

	compliance with UCR guidelines, ensuring transparency and accuracy in reporting.
Conclusion	In conclusion, the monitoring report for the "4 MW Bundled Solar Projects, Motikundal, Botad, Gujarat, India," effectively demonstrates compliance with AMS-I.D. Version 18 and UCR guidelines, providing accurate and transparent data for the monitoring period from 01/11/2020 to 31/12/2024. The continuous monitoring and monthly recording of net electricity generation (EGPJ,y), supported by calibrated energy meters and robust QA/QC measures, ensure reliable emission reduction calculations. The application of the UCR-recommended emission factors results in verified total emission reductions of **26,394 tCO_2e**, confirming the project's significant contribution to mitigating greenhouse gas emissions through renewable energy generation.

D.4. Start date, crediting period and duration

Means of Project Verification	Validation of Project Commissioning Date: Verification of the project's commissioning date as 02/10/2020, ensuring alignment with the declared operational timeline in the monitoring report. Review of Crediting Period Start and End Dates: Confirmation of the crediting period from 01/11/2020 to 31/12/2024, as specified in the monitoring report, ensuring it is consistent with UCR registration and methodology guidelines. Examination of Crediting Period Duration: Verification that the duration of the crediting period is 4 years and 2 months, aligning with the monitoring period and the timelines stated in the UCR project documentation. Cross-Checking Against Registration and PCN Details: Review of the monitoring report against the UCR Project Concept Note V3 (PCN) to

	confirm that there are no changes to the start date, crediting period, or duration as initially registered.
Findings	The project "4 MW Bundled Solar Projects, Motikundal, Botad, Gujarat, India," was commissioned on 02/10/2020, with the crediting period commencing on 01/11/2020 and concluding on 31/12/2024. The monitoring report confirms that the crediting period spans 4 years and 2 months, aligning with UCR guidelines and methodology AMS-I.D. Version 18. No changes to the start date or crediting duration were identified, and the reported timelines are consistent with the initial registration details under the UCR. These findings validate the project's operational and crediting period timelines as per the monitoring report.
Conclusion	In conclusion, the "4 MW Bundled Solar Projects, Motikundal, Botad, Gujarat, India," adheres to the declared operational timeline, with the project commissioned on 02/10/2020 and the crediting period running from 01/11/2020 to 31/12/2024. The crediting period spans 4 years and 2 months, consistent with the UCR registration and methodology AMS-I.D. Version 18. The monitoring report confirms no changes to the start date or crediting period, ensuring compliance with UCR requirements and validating the project's eligibility for emission reduction claims during the specified duration.

D.5. Positive Environmental impacts

Means of Project Verification	Validation of Renewable Energy Contribution: Verification that the project generates renewable solar energy, displacing electricity from fossil fuel-based grid sources, thereby reducing greenhouse gas (GHG) emissions. This aligns with the stated purpose and the AMS-I.D. Version 18 methodology. Review of GHG Emission Reductions: Confirmation of total GHG reductions of 26,394 tCO_2e for the monitoring period, as calculated and documented in the monitoring report, demonstrating the project's contribution to climate change mitigation. Examination of Pollution Reduction Measures: Assessment of the project's clean energy generation, which does not emit air pollutants, water pollutants, or solid waste, ensuring no negative environmental impacts are associated with the project's operations. Alignment with Sustainable Development Goals (SDGs): Verification that the project supports environmental well-being by promoting renewable energy use, contributing to SDG 13 (Climate Action), and reducing dependency on fossil fuels, as highlighted in the report.
Findings	The project "4 MW Bundled Solar Projects, Motikundal, Botad, Gujarat, India," has significant positive environmental impacts by generating renewable solar energy and displacing electricity from fossil fuel-based grid sources, resulting in total GHG reductions of 26,394 tCO_2e during the monitoring period. The project produces clean energy without emitting air pollutants, water pollutants, or solid waste, ensuring no adverse environmental impacts. Additionally, the project aligns with Sustainable Development Goal 13 (Climate Action) by promoting renewable energy adoption, reducing reliance on fossil fuels, and

	contributing to climate change mitigation efforts, as detailed in the monitoring report.
Conclusion	In conclusion, the "4 MW Bundled Solar Projects, Motikundal, Botad, Gujarat, India," demonstrates substantial positive environmental impacts by reducing greenhouse gas emissions by 26,394 tCO_2e during the monitoring period through renewable solar energy generation. The project avoids air, water, and solid waste pollution, ensuring no negative environmental effects. By displacing fossil fuel-based electricity and promoting clean energy, the project aligns with Sustainable Development Goal 13 (Climate Action), contributing meaningfully to climate change mitigation and the advancement of renewable energy adoption in the region.

D.6. Project Owner- Identification and communication

Means of Project Verification	Verification of Ownership Details: Review of the project owner's details provided in the monitoring report, including the name "Hariom Solar Park" and the address in Botad, Gujarat, to confirm the project's ownership. Validation of Contact Information: Assessment of the contact information provided for the project owner, including the name of the contact person, Ms. Dipti Raval, and their email (projects@yojan.in), ensuring clear and accessible communication channels. Cross-Checking Registration Records: Confirmation of the project's registration details under UCR (Project ID: 467) and its association with the project owner, ensuring alignment with ownership documentation and registration records. Examination of Aggregator and Host Party Details: Validation of the project aggregator, Yojan Solutions, and the host country, India, as specified in the monitoring report, ensuring all relevant parties are correctly identified and linked to the project.
Findings	The project owner, "Hariom Solar Park," is clearly identified in the monitoring report, with the address specified as Bhavnagar Rd, Zaver Nagar, Botad, Gujarat. The report provides the contact information of the aggregator, Yojan Solutions, with Ms. Dipti Raval as the primary contact person and email (projects@yojan.in) for communication. The project is registered under UCR (Project ID: 467), and the host party is India, confirming the alignment of ownership and communication details with the project registration. These findings ensure that the

	project owner and relevant stakeholders are accurately identified and easily accessible for communication.
Conclusion	In conclusion, the project owner, "Hariom Solar Park," is accurately identified and clearly associated with the "4 MW Bundled Solar Projects, Motikundal, Botad, Gujarat, India," as outlined in the monitoring report. The owner's address in Botad, Gujarat, and the contact information for the aggregator, Yojan Solutions, with Ms. Dipti Raval as the primary contact, ensure effective communication channels. The project's registration under UCR (Project ID: 467) and host country designation as India further validate the ownership and communication framework, ensuring transparency and accountability for all stakeholders.

D.7. Positive Social Impact

Means of Project Verification	Assessment of Employment Opportunities: Verification of the report's details on employment generation, particularly for unskilled and skilled workers in the project area, contributing to local economic and social development. Evaluation of Training and Skill Development: Review of the training programs provided to workers, including safety procedures and operational practices, ensuring the project contributes to skill enhancement and capacity building. Examination of Local Community Benefits: Validation of claims regarding improved local infrastructure and better land valuation for the community, fostering economic upliftment and improved livelihoods for residents in the project area. Alignment with Sustainable Development Goals (SDGs): Verification of the project's alignment with SDG 8 (Decent Work and Economic Growth) through the provision of productive employment, fair wages, and opportunities for women and marginalized groups, as highlighted in the monitoring report.
Findings	The project "4 MW Bundled Solar Projects, Motikundal, Botad, Gujarat, India," has significant positive social impacts, as outlined in the monitoring report. It generates employment opportunities for both skilled and unskilled workers, particularly benefiting marginalized groups in the region. The project provides comprehensive training, covering safety, operational procedures, and skill development, contributing to capacity building. Additionally, it enhances local infrastructure

	and increases land valuation, leading to economic upliftment for the surrounding community. By promoting equitable wages and inclusivity, the project aligns with Sustainable Development Goal 8 (Decent Work and Economic Growth), fostering social and economic well-being in the project area.
Conclusion	In conclusion, the "4 MW Bundled Solar Projects, Motikundal, Botad, Gujarat, India," delivers substantial positive social impacts by creating employment opportunities, particularly for unskilled workers in the local community, and providing training on safety and operational practices, thereby enhancing skill development. The project contributes to economic upliftment through improved infrastructure and increased land valuation, benefiting the local population. By ensuring fair wages and promoting inclusivity, the project aligns with Sustainable Development Goal 8 (Decent Work and Economic Growth), making a meaningful contribution to the social and economic well-being of the community.

Sustainable development aspects (if any)

Means of Project Verification	Validation of Environmental Sustainability: Verification of the project's contribution to environmental well-being by generating clean solar energy, reducing reliance on fossil fuels, and achieving GHG reductions of 26,394 tCO_2e, thus supporting climate change mitigation and aligning with SDG 13 (Climate Action). Assessment of Economic Benefits: Review of the project's impact on local economic development, including job creation for skilled and unskilled workers, improvement in infrastructure, and increased land valuation, fostering economic sustainability.

	Verification of Technological Advancement: Evaluation of the promotion and use of advanced solar photovoltaic technology in the region, encouraging the adoption of renewable energy solutions and reducing dependency on carbon-intensive power sources. Alignment with Social Development Goals: Examination of the project's contribution to social well-being through employment opportunities, skill development programs, and inclusive work practices, aligning with SDG 8 (Decent Work and Economic Growth) and ensuring fair and equitable development.
Findings	The "4 MW Bundled Solar Projects, Motikundal, Botad, Gujarat, India," contributes significantly to sustainable development across environmental, economic, and social dimensions. Environmentally, the project reduces reliance on fossil fuels by generating renewable solar energy, achieving GHG reductions of 26,394 tCO_2e, and aligning with SDG 13 (Climate Action). Economically, it fosters local development by creating jobs, improving infrastructure, and increasing land valuation. Socially, the project supports inclusive growth through employment opportunities, skill development, and fair work practices, aligning with SDG 8 (Decent Work and Economic Growth). Additionally, the use of advanced solar photovoltaic technology promotes renewable energy adoption, ensuring long-term technological and environmental benefits for the region.
Conclusion	In conclusion, the "4 MW Bundled Solar Projects, Motikundal, Botad, Gujarat, India," exemplifies sustainable development by addressing environmental, economic, and social aspects. The project mitigates climate change through renewable energy generation, reducing GHG emissions by 26,394 tCO2e and

	supporting SDG 13 (Climate Action). It boosts local economic growth by creating jobs, enhancing infrastructure, and increasing land valuation, fostering economic sustainability. Socially, it promotes inclusive development through skill development programs, equitable work opportunities, and fair wages, aligning with SDG 8 (Decent Work and Economic Growth). The use of advanced solar photovoltaic technology ensures ongoing benefits for the environment and society, solidifying the project's contribution to sustainable development goals.

Section E. Internal quality control

During the verification of this project, stringent internal quality control measures were applied to ensure accuracy and reliability. Regular internal reviews were conducted on verification procedures, documentation, and reports to promptly identify and resolve any errors or inconsistencies. Verification staff underwent continuous training to maintain their expertise and ensure efficient verification processes. Standard Operating Procedures (SOPs) were established to provide clear instructions on data collection, analysis, and reporting, ensuring consistency and alignment with best practices. Comprehensive documentation management practices were implemented to maintain transparent records of verification activities, including data sources and methodologies. Peer reviews and collaborative discussions within the verification team were conducted to validate findings and reach consensus on conclusions. Additionally, continuous improvement initiatives were adopted to evaluate verification practices, identify opportunities for enhancement, and improve overall performance over time.

Section F. Project Verification opinion

The GHG emission reductions were calculated based on UCR Protocols which draws reference from, CDM UNFCCC Methodology, AMS-I.D.: “Grid connected renewable electricity generation”, version 18 and Standardized Methodology is Baseline: UCR Protocol Emission Factor for 4 MW Bundled Solar Projects, Motikundal, Botad, Gujarat, India. The verification was done remotely by way of video calls / verification, phone calls and submission of documents for verification through emails.

SQAC is able to certify that the Emission reductions from 4 MW Bundled Solar Projects, Motikundal, Botad, Gujarat, India, (UCR ID – 467) for the period **01/11/2020 to 31/12/2024** amounts to **26,394 CoUs (26,394 tCO_2eq)**

Appendix 1. Abbreviations

Abbreviations	Full texts
UCR	Universal Carbon Registry
PP/PO	Project Proponent / Project Owner
PA	Project Aggregator
PPA	Power Purchase Agreement
ER	Emission Reduction
COUs	Carbon offset Units.
tCO_2e	Tons of Carbon Dioxide Equivalent
CDM	Clean Development Mechanism
SDG	Sustainable Development Goal
CAR	Corrective Action Request
CR	Clarification Request
FAR	Forward Action Request
GHG	Green House Gas
MR	Monitoring report
PCN	Project Concept Note
VR	Verification Report
VS	Verification Statement
COD	Commercial Operation Date

Appendix 2. Competence of team members and technical reviewers

Sr. No.	Role	Name	Education Qualification	Related Experience
1.	Team Leader / Lead Verifier / Validator	Santosh Nair	BE (Chemical) Lead Auditor in ISO 9001,14001, 45001,13485,22301,22000,27001,14064-1,2,3	Carbon Verifier for all major sectors such as Wind, Solar, Hydro, Biomass, Biogas, Waste Heat Recovery, Biofuel, etc.
2.	Technical reviewer	Praful Shinganapurkar	BE (Mechanical) Certified Energy Auditor Lead Auditor in ISO 9001,14001 & 45001	Carbon Verifier for all major sectors such as Wind, Solar, Hydro, Biomass, Biogas, Waste Heat Recovery, Biofuel, etc.

Appendix 3. Document reviewed or referenced

Sr. No	Author	Title	Provider/Originator
1	M/s. Maverik Incorporation	Project Concept Note (PCN)	M/s. Maverik Incorporation
2	M/s. Maverik Incorporation	Monitoring Report (MR)	M/s. Maverik Incorporation
3	M/s. Maverik Incorporation	Emission Reduction Calculation Sheet	M/s. Maverik Incorporation
4	Hariom Solar Park	Work Order for Solar Pannel	M/s. Maverik Incorporation
5	Gujarat Energy Development Agency (GEDA)	Commissioning Certificates	Gujarat Energy Development Agency
6	Uttar Gujarat Vij Company Ltd.	Joint Meter Reading	M/s. Yojan Solutions Pvt. Ltd.
7	Paschim Gujarat Vij Co. Ltd.	HT Installation Checking Sheet	M/s. Maverik Incorporation
8	Office of the Chief Electrical Inspector	Electrical Installation Report	M/s. Maverik Incorporation
9	Hariom Solar Park	Agreement for Double Counting Avoidance.	M/s. Maverik Incorporation

Appendix 4. Clarification request, corrective action request and forward action request

Table 1. CLs from this Project Verification

CL ID	01	**Section no.**	D.3.4 Baseline scenario	**Date:** 13/03/2025
Description of CL				
It was discovered that the power generation data for the year 2024 was not accurately recorded, resulting in the issuance of a Clarification Request (CL).				
Project Owner's response				**Date:** 13/03/2025
The necessary corrections have been made in the Monitoring Report (V02) and Emission Reduction calculations (V02). The error was due to an oversight, and the revised documents have been issued after incorporating the appropriate corrections.				
Documentation provided by Project Owner				
Monitoring Report (V02) and Emission Reduction calculations (V02).				
UCR Project Verifier assessment				**Date:** 13/03/2025

Subsequently, accurate data along with its justification has been provided, ensuring the closure of the Clarification Request (CL-01). The revised Monitoring Report (V02) and Emission Reduction calculations (V02) now align with all methodological guidelines and meet the required standards. Therefore, CL-01 is closed.

Table 2. CARs from this Project Verification

CAR ID	00	**Section no.**		**Date:** DD/MM/YYYY
Description of CAR				
n/a				
Project Owner's response				**Date:** DD/MM/YYYY
n/a				
Documentation provided by Project Owner				
UCR Project Verifier assessment				**Date:** DD/MM/YYYY
n/a				

Table 3. FARs from this Project Verification

FAR ID	00	**Section no.**		**Date:** DD/MM/YYYY
Description of FAR				
n/a				
Project Owner's response				**Date:** DD/MM/YYYY
n/a				
Documentation provided by Project Owner				
UCR Project Verifier assessment				**Date:** DD/MM/YYYY
n/a				

GEDA
ગુજરાત ઊર્જા વિકાસ એજન્સી
GUJARAT ENERGY DEVELOPMENT AGENCY
A Government of Gujarat Organisation

BY RPAD

GEDA/SOL-26317/2020/10/OW/ 8957 Date: October 27, 2020

CERTIFICATE OF COMMISSIONING

This is to certify that **M/s.Gopinath Solar Park,** C/o Hariom Offset, Paliyad Road, Village- Botad, Ta- Botad, Dist.- Botad has installed and commissioned **864.15 kW (DC)** capacity Solar Power Plant at Survey no. 38 P5/1, 38 P5/2, Village- Moti Kundal, Ta- Gadhadda, Dist.- Botad on 2/10/2020 along with the associated equipment as per following details.

GEDA Registration No.	GMSPVIND21012020-26317
Capacity of Solar Power Project	864.15 kW (DC)
SPV Modules- Type / Make	Mono PERC / Trina Solar
Nos. of Photovoltaic Modules / Rating	720 / 440 Wp, 1230 / 445 Wp
Inverters- Type / Make	String / ABB
Nos. of Inverter / Rating	04 / 175 kW
ABT Meter- Make / Serial no.	Secure / PG 5192 B
Name of Substation	66 kV GETCO Substation, Ingrola

The commissioning of the Ground Mounted Solar PV System has been carried out; the ABT meter has been installed.

For Gujarat Energy Development Agency

(S. B. PATIL)
Officer On Special Duty

To,
M/s. Gopinath Solar Park
C/o Hariom Offset, Paliyad Road,
Village- Botad, Ta- Botad,
District- Botad- 364719

Cc to: (1) Chief Engineer (R & C),
Paschim Gujarat Vij Company Limited (PGVCL),
Off. Nana Mava Main Road, Laxminagar,
Rajkot – 360 004

(2)Chief Engineer, State Load Dispatch Centre (SLDC)
GETCO, 132kV Gotri Sub Station Compound,
Opp. Kalpvrux building, Near T.B. Hospital, Gotri Road,
Vadodara - 390 021

4th Floor, Block No. 11-12, Udhyogbhavan,
Sector-11, Gandhinagar-382017. India.
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e-mail : director@geda.org.in
www.geda.gujarat.gov.in

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GUJARAT ENERGY DEVELOPMENT AGENCY
A Government of Gujarat Organisation

BY RPAD

GEDA/SOL-26319/2020/10/OW/ 8955 Date: October 27, 2020

CERTIFICATE OF COMMISSIONING

This is to certify that **M/s.Hariom Solar Park,** C/o Hariom Offset, Paliyad Road, Village- Botad, Ta- Botad, Dist.- Botad has installed and commissioned **1455.15 kW (DC)** capacity Solar Power Plant at Survey no. 37 P4/3, 38 P5/3, Village- Moti Kundal, Ta- Gadhadda, Dist.- Botad on 2/10/2020 along with the associated equipment as per following details.

GEDA Registration No.	GMSPVIND21012020-26319
Capacity of Solar Power Project	1455.15 kW (DC)
SPV Modules- Type / Make	Mono PERC / Trina Solar
Nos. of Photovoltaic Modules / Rating	3270 / 445 Wp
Inverters- Type / Make	String / ABB
Nos. of Inverter / Rating	07 / 175 kW
ABT Meter- Make / Serial no.	Secure / PG 5191 B
Name of Substation	66 kV GETCO Substation, Ingrola

The commissioning of the Ground Mounted Solar PV System has been carried out; the ABT meter has been installed.

For Gujarat Energy Development Agency

(S. B. PATIL)
Officer On Special Duty

To,
M/s. Hariom Solar Park
C/o Hariom Offset, Paliyad Road,
Village- Botad, Ta- Botad,
District- Botad- 364719

Cc to: (1) Chief Engineer (R & C),
Paschim Gujarat Vij Company Limited (PGVCL),
Off. Nana Mava Main Road, Laxminagar,
Rajkot – 360 004

(2)Chief Engineer, State Load Dispatch Centre (SLDC)
GETCO, 132kV Gotri Sub Station Compound,
Opp. Kalpvrux building, Near T.B. Hospital, Gotri Road,
Vadodara - 390 021

4th Floor, Block No. 11-12, Udhyogbhavan,
Sector-11, Gandhinagar-382017. India.
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GUJARAT ENERGY DEVELOPMENT AGENCY
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BY RPAD

GEDA/SOL-26316/2020/10/OW/ 8958 Date: October 27, 2020

CERTIFICATE OF COMMISSIONING

This is to certify that **M/s.Shakti Solar Park,** C/o Hariom Offset, Paliyad Road, Village- Botad, Ta- Botad, Dist.- Botad has installed and commissioned **950.4 kW (DC)** capacity Solar Power Plant at Survey no. 37 P4/2, 37 P4/3, Village- Moti Kundal, Ta- Gadhadda, Dist.- Botad on 2/10/2020 along with the associated equipment as per following details.

GEDA Registration No.	GMSPVIND21012020-26316
Capacity of Solar Power Project	950.4 kW (DC)
SPV Modules- Type / Make	Mono PERC / Trina Solar
Nos. of Photovoltaic Modules / Rating	2160 / 440 Wp
Inverters- Type / Make	String / ABB
Nos. of Inverter / Rating	05 / 175 kW
ABT Meter- Make / Serial no.	Secure / PG 5194 B
Name of Substation	66 kV GETCO Substation, Ingrola

The commissioning of the Ground Mounted Solar PV System has been carried out; the ABT meter has been installed.

For Gujarat Energy Development Agency

(S. B. PATIL)
Officer On Special Duty

To,
M/s. Shakti Solar Park
C/o Hariom Offset, Paliyad Road,
Village- Botad, Ta- Botad,
District- Botad- 364719

Cc to: (1) Chief Engineer (R & C),
Paschim Gujarat Vij Company Limited (PGVCL),
Off. Nana Mava Main Road, Laxminagar,
Rajkot – 360 004

(2)Chief Engineer, State Load Dispatch Centre (SLDC)
GETCO, 132kV Gotri Sub Station Compound,
Opp. Kalpvrux building, Near T.B. Hospital, Gotri Road,
Vadodara - 390 021

4th Floor, Block No. 11-12, Udhyogbhavan,
Sector-11, Gandhinagar-382017. India.
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GUJARAT ENERGY DEVELOPMENT AGENCY
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BY RPAD

GEDA/SOL-26318/2020/10/OW/ 8956 Date: October 27, 2020

CERTIFICATE OF COMMISSIONING

This is to certify that **M/s.Surya Solar Park,** C/o Hariom Offset, Paliyad Road, Village- Botad, Ta- Botad, Dist.- Botad has installed and commissioned **739.2 kW (DC)** capacity Solar Power Plant at Survey no. 37 P4/1, Village- Moti Kundal, Ta- Gadhadda, Dist.- Botad on 2/10/2020 along with the associated equipment as per following details.

GEDA Registration No.	GMSPVIND21012020-26318
Capacity of Solar Power Project	739.2 kW (DC)
SPV Modules- Type / Make	Mono PERC / Trina Solar
Nos. of Photovoltaic Modules / Rating	1680 / 440 Wp
Inverters- Type / Make	String / ABB
Nos. of Inverter / Rating	04 / 175 kW
ABT Meter- Make / Serial no.	Secure / PG 5193 B
Name of Substation	66 kV GETCO Substation, Ingrola

The commissioning of the Ground Mounted Solar PV System has been carried out; the ABT meter has been installed.

For Gujarat Energy Development Agency

(S. B. PATIL)
Officer On Special Duty

To,
M/s. Surya Solar Park
C/o Hariom Offset, Paliyad Road,
Village- Botad, Ta- Botad,
District- Botad- 364719

Cc to: (1) Chief Engineer (R & C),
Paschim Gujarat Vij Company Limited (PGVCL),
Off. Nana Mava Main Road, Laxminagar,
Rajkot – 360 004

(2)Chief Engineer, State Load Dispatch Centre (SLDC)
GETCO, 132kV Gotri Sub Station Compound,
Opp. Kalpvrux building, Near T.B. Hospital, Gotri Road,
Vadodara - 390 021

4th Floor, Block No. 11-12, Udhyogbhavan,
Sector-11, Gandhinagar-382017. India.
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Fax : +91 79 232-47097, 57255
e-mail : director@geda.org.in
www.geda.gujarat.gov.in

GST No. : 24ALXPB8965D1ZQ

Gopinath SOLAR PARK

No.:- MTI/19-20/07
Date: 08/01/2020

Detailed Work Order

To,
M/s. GOPINATH SOLAR PARK
Opp. Vadodariya Hospital,
Paliyad Road,
Botad, Gujarat – India

Kind Attn: **Mr. Hasmukhbhai M. Botadara**

Sub: **EPC WORK ORDER FOR 860kWp DC SOLAR PHOTOVOLTAIC POWER PROJECT for M/s GOPINATH SOLAR PARK at Botad, State-Gujarat.**

Dear Sir,

This has reference to our discussion with your team for subject work . We are pleased to issue the detailed Quotation for the subject work on the following terms and conditions.

1. **PRICING**

1.1. **COMPLETE EPC PRICE**

The EPC Price for the complete Scope of Work subdivided in three Parts as below.

Description	EPC Price in INR For 860kWp DC Capacity
Supply of Grid connected Ground Mount Solar PV Plant with Canadian / Trina Solar PV Modules & ABB String Inverter @ 70 % of Basic Cost.	21,809,860/-
Composite GST @5%	1,090,493/-
TOTAL – 1	**22,900,353/-**
Design, Engineering, Installation & Commissioning of Grid connected Ground Mount Solar PV Plant @ 30 % of Basic Cost.	9,347,083/-
Composite GST @18%	1,682,475/-
TOTAL – 2	**11,029,558/-**
TOTAL 1 + 2	**33,929,911/-**

The price of the above is worked out at Rs. 39.45/- per Wp inclusive of Taxes for 860kW DC capacity, which is bonded by both the parties.

The Interim Payment against work done of each part shall be released, based on the material supplied, quantities executed on the basis of Schedule of Payments of each part mentioned in Terms of Payments.

Gopinath Solar Park
M.M.Botadara
Proprietor

Vadodara

Gopinath SOLAR PARK
Plant : Survey No.38/5, B/h. 66 KV Sub Station, At. Moti Kundal Ta.Gadhada, Dist.Botad - 364730 (Gujarat-India)
Office : Hariom Offset, Opp. Vadodariya Hospital, Paliyad Road, Botad. (Gujarat)
Mo.9824219197 hariomsolarpark@gmail.com

GST No. : 24ALXPB8964C2ZS

HARIOM Solar Park

No.:- MTI/19-20/08
Date: 08/01/2020

Detailed Work Order

To,
M/s. HARIOM SOLAR PARK
Opp. Vadodariya Hospital,
Paliyad Road,
Botad, Gujarat – India

Kind Attn: **Mr. Sureshbhai M. Botadara**

Sub: **EPC WORK ORDER FOR 1450kWp DC SOLAR PHOTOVOLTAIC POWER PROJECT for M/s HARIOM SOLAR PARK at Botad, State-Gujarat.**

Dear Sir,

This has reference to our discussion with your team for subject work. We are pleased to issue the detailed Quotation for the subject work on the following terms and conditions.

1. **PRICING**

1.1. **COMPLETE EPC PRICE**

The EPC Price for the complete Scope of Work subdivided in three Parts as below.

Description	EPC Price in INR For 1450kWp DC Capacity
Supply of Grid connected Ground Mount Solar PV Plant with Canadian / Trina Solar PV Modules & ABB String Inverter @ 70 % of Basic Cost.	36,772,439/-
Composite GST @5%	1,838,622/-
TOTAL – 1	**38,611,061/-**
Design, Engineering, Installation & Commissioning of Grid connected Ground Mount Solar PV Plant @ 30 % of Basic Cost.	15,759,617/-
Composite GST @18%	2,836,731/-
TOTAL – 2	**18,596,348/-**
TOTAL 1 + 2	**57,207,409/-**

The price of the above is worked out at Rs.39.45/- per Wp inclusive of Taxes for 1450kW DC capacity, which is bonded by both the parties.

The Interim Payment against work done of each part shall be released, based on the material supplied, quantities executed on the basis of Schedule of Payments of each part mentioned in Terms of Payments.

Proprietor

Vadodara

HARIOM Solar Park
Plant : Survey No.37/4 & 38/5, B/h. 66 KV Sub Station, At. Moti Kundal Ta.Gadhada, Dist.Botad - 364730 (Gujarat-India)
Office : Hariom Offset, Opp. Vadodariya Hospital, Paliyad Road, Botad. (Gujarat)
Mo.9824219197 hariomsolarpark@gmail.com

GST No. : 24CDBPB6743B1Z7

SURYA SOLAR PARK

No.:- MTI/19-20/03
Date: 08/01/2020

Detailed Work Order

To,
M/s. SURYA SOLAR PARK
Opp. Vadodariya Hospital,
Paliyad Road,
Botad, Gujarat – India

Kind Attn: **Mrs. Bhavnaben S. Botadara**

Sub: **EPC WORK ORDER FOR 740kWp DC SOLAR PHOTOVOLTAIC POWER PROJECT for M/s SURYA SOLAR PARK at Botad, State-Gujarat.**

Dear Sir,

This has reference to our discussion with your team for subject work . We are pleased to issue the detailed Quotation for the subject work on the following terms and conditions.

1. **PRICING**

1.1. **COMPLETE EPC PRICE**

The EPC Price for the complete Scope of Work subdivided in three Parts as below.

Description	EPC Price in INR For 740kWp DC Capacity
Supply of Grid connected Ground Mount Solar PV Plant with Canadian / Trina Solar PV Modules & ABB String Inverter @ 70 % of Basic Cost.	18,766,624/-
Composite GST @5%	938,331/-
TOTAL – 1	**19,704,955/-**
Design, Engineering, Installation & Commissioning of Grid connected Ground Mount Solar PV Plant @ 30 % of Basic Cost.	8,042,839/-
Composite GST @18%	1,447,711/-
TOTAL – 2	**9,490,550/-**
TOTAL 1 + 2	**29,195,505/-**

The price of the above is worked out at Rs. 39.45/- per Wp inclusive of Taxes for 740kW DC capacity, which is bonded by both the parties.

The Interim Payment against work done of each part shall be released, based on the material supplied, quantities executed on the basis of Schedule of Payments of each part mentioned in Terms of Payments.

Surya Solar Park
B.S.Botadara
Proprietor

Vadodara

SURYA SOLAR PARK
Plant : Survey No.37/4, B/h. 66 KV Sub Station, At. Moti Kundal Ta.Gadhada, Dist.Botad - 364730 (Gujarat-India)
Office : Hariom Offset, Opp. Vadodariya Hospital, Paliyad Road, Botad. (Gujarat)
Mo.9824219197 hariomsolarpark@gmail.com

GST No. : 24CDBPB6746E1ZY

Shakti Solar Park

No.:- MTI/19-20/09
Date: 08/01/2020

Detailed Work Order

To,
M/s. SHAKTI SOLAR PARK
Opp. Vadodariya Hospital,
Paliyad Road,
Botad, Gujarat – India

Kind Attn: **Mrs. Ramaben H. Botadara**

Sub: **EPC WORKORDER FOR 950kWp DC SOLAR PHOTOVOLTAIC POWER PROJECT for M/s SURYA SOLAR PARK at Botad, State-Gujarat.**

Dear Sir,

This has reference tœur discussion with your team for subject work. We are pleased to issue the detailed Quotation for the subject work on the following terms and conditions.

1. **PRICING**

1.1. **COMPLETE EPC PRICE**

The EPC Price for the complete Scope of Work subdivided in three Parts as below.

Description	EPC Price in INR For 950kWp DC Capacity
Supply of Grid connected Ground Mount Solar PV Plant with Canadian / Trina Solar PV Modules & ABB String Inverter @ 70 % of Basic Cost.	24,092,288/-
Composite GST @5%	1,204,614/-
TOTAL – 1	**25,296,902/-**
Design, Engineering, Installation & Commissioning of Grid connected Ground Mount Solar PV Plant @ 30 % of Basic Cost.	10,325,266/-
Composite GST @18%	1,858,548/-
TOTAL – 2	**12,183,814/-**
TOTAL 1 + 2	**37,480,716/-**

The price of the above is worked out at Rs.39.45/- per Wp inclusive of Taxes for 950kW DC capacity, which is bonded by both the parties.

The Interim Payment against work done of each part shall be released, based on the material supplied, quantities executed on the basis of Schedule of Payments of each part mentioned in Terms of Payments.

Shakti Solar Park
આર. એચ. બોટાદરા
Proprietor

Vadodara

Shakti Solar Park
Plant : Survey No.37/4, B/h. 66 KV Sub Station, At. Moti Kundal Ta.Gadhada, Dist.Botad - 364730 (Gujarat-India)
Office : Hariom Offset, Opp. Vadodariya Hospital, Paliyad Road, Botad. (Gujarat)
Mo.9824219197 hariomsolarpark@gmail.com

PASCHIM GUJARAT VIJ COMPANY LTD

PGVCL

Regd &Corporate Office,
Paschim Gujarat Vij Seva sadan Opp Nana Mava Main Road Laxminagaar , Rajkot - 36004
Division Office , Near ST Bus Stand,
Gadhda (Swa)-364750
CIN U40102GJ2003SGC042908
PH (02847)253147 E-mail -gadhdaee.pgvcl@gebmail.com

Azadi Ka Amrit Mahotsav

To, Hariom solar park,
Gopinath solar park,
Shakti solar park,
Surya solar park.
Add :Opp. Vadodara Hospital,
Paliyad Road Botad-364710

Date:- 26 | nov | 24

Subject: Hariom solar park group Oct -20 to Aug-24 Plant Generation Data.

This data is shown that the generation of the plant name Hariom solar park located at Survey No.37/4 & 38/5, B/h. 66 KV Sub Sta on, At. Mo Kundal Ta.Gadhada, Dist.Botad – 364730 (Gujarat-India) at that group Solar name Hariom solar Gopinath solar Shakti solar and Surya solar park located at the same priemises.

Here the plant generation data written at the generation end data..

	GOPINATH SOLAR PARK(KWh)	HARIOM SOLAR PARK(KWh)	SURYA SOLAR PARK(KWh)	SHAKTI SOLAR PARK(KWh)
Oct-20	156610	240562	104459	131043
Nov-20	134157	207253	89671	125208
Dec-20	129908	202586	105014	121765
Jan-21	131456	238956	125698	150320
Feb-21	156946	212547	109594	139392
Mar-21	179025	248028	126548	171598
Apr-21	139018	233895	136526	162531
May-21	131188	221048	106693	146448
Jun-21	131598	187060	89725	125489
Jul-21	147695	161911	99458	105914
Aug-21	132589	176312	81419	104494
Sep-21	160288	136402	96960	90887
Oct-21	145283	246887	125469	141985
Nov-21	128975	191447	108240	127957
Dec-21	125246	192549	106952	121761
Jan-22	131253	237748	123659	146209
Feb-22	131022	249909	123253	153160
Mar-22	132659	274018	125965	168698
Apr-22	139899	261387	132414	161321
May-22	167258	262989	130025	158369
Jun-22	131498	204519	102500	124723
Jul-22	147661	162967	101590	97267
Aug-22	138513	158231	105001	95827
Sep-22	161628	208971	106791	119209
Oct-22	144576	227738	123456	138097
Nov-22	128450	251812	107769	137082
Dec-22	126486	212617	118281	135044

PASCHIM GUJARAT VIJ COMPANY LTD

PGVCL

Regd &Corporate Office,
Paschim Gujarat Vij Seva sadan Opp Nana Mava Main Road Laxminagaar , Rajkot - 36004
Division Office , Near ST Bus Stand,
Gadhda (Swa)-364750
CIN U40102GJ2003SGC042908
PH (02847)253147 E-mail -gadhdaee.pgvcl@gebmail.com

Azadi Ka Amrit Mahotsav

	GOPINATH SOLAR PARK(KWh)	HARIOM SOLAR PARK(KWh)	SURYA SOLAR PARK(KWh)	SHAKTI SOLAR PARK(KWh)
Jan-23	130286	254320	121659	144492
Feb-23	132005	249859	125253	157788
Mar-23	131204	243453	126965	148688
Apr-23	139899	250927	133456	152709
May-23	167258	260637	130732	158401
Jun-23	125698	195129	98168	118834
Jul-23	128965	157436	73758	94088
Aug-23	137589	176311	81441	110040
Sep-23	122285	188700	95965	116176
Oct-23	145698	246687	123409	149688
Nov-23	134157	208376	106703	128941
Dec-23	129908	202617	105347	123936
Jan-24	154372	240265	121656	146873
Feb-24	156946	244826	120203	148245
Mar-24	179038	279480	141028	170086
Apr-24	168508	264200	132414	160184
May-24	156409	226203	129256	141240
Jun-24	127699	199094	100997	121779
Jul-24	89412	140367	69963	82494
Aug-24	89809	140504	71220	85828

PGVCL,
Gadhda Division Office

Deputy Engineer
P.G.V.C.L.
Gadhada Rural Sub Division

PASCHIM GUJARAT VIJ COMPANY LTD

PGVCL

Regd &Corporate Office,
Paschim Gujarat Vij Seva sadan Opp Nana Mava Main Road Laxminagaar , Rajkot - 36004
Division Office , Near ST Bus Stand,
Gadhda (Swa)-364750
CIN U40102GJ2003SGC042908
PH (02847)253147 E-mail -gadhdaee.pgvcl@gebmail.com

To, Hariom solar park,
Gopinath solar park,
Shakti solar park,
Surya solar park.
Add :Opp. Vadodara Hospital,Paliyad Road Botad-364710

Date:- 28 | 02 | 25

Subject: Hariom solar park group Sep -24 to Dec-24 Plant Generation Data.

This data is shown that the generation of the plant name Hariom solar park located at Surve No.37/4 & 38/5, B/h. 66 KV Sub Sta on, At. Mo Kundal Ta.Gadhada, Dist.Botad – 364730 (Gujarat-India) at that group Solar name Hariom solar Gopinath solar Shakti solar and Surya sola park located at the same priemises.

Here the plant generation data written at the generation end data..

Month	Gopinath	Hariom	Surya	Shakti
Sep-24	123716	192792	97243	113523
Oct-24	140090	219902	110223	133020
Nov-24	144399	227137	114889	138662
Dec-24	139453	217428	110586	133551

PGVCL,
Gadhda Division Office

Executive Engineer,
P.G.V.C.L.Division Office,
Gadhada

Gopinath Solar park

NO	PG 5191B	IMP/KWH	25600
B NO	GDN 2009 001	PROPERTY	Gopinath Solar park
P	-15	APEX 150 /100	
VOLT	-7110V	DATE	4/12/20

No.	Parameter	Value	No.	Parameter	Value
	SR. NO	PG 5191B	28	BILLING COUNT	0007
1	DATE	4/12/2020	29	RATE REG. 01 KWH. ACTIVE EXP. TOTAL	62.59
2	TIME	12:03:04	30	RATE REG. 02 KWH. ACTIVE EXP. TOTAL	0.00
3	LINE VOLTAGE R	65.48	31	RATE REG. 01 KWH. ACTIVE IMP. TOTAL	0.38
4	LINE VOLTAGE Y	67.35	32	RATE REG. 02 KWH. ACTIVE IMP. TOTAL	0.40
5	LINE VOLTAGE B	66.25	33	H1 CMD KVA APPARENT IMP.	1.619244
6	LINE CURRENT R(A)	0.062	34	H1 CMD KVA APPARENT EXP.	1.530352
7	LINE CURRENT Y(A)	0.050	35	RATE REG. 03 KWH.ACTIVE EXP.TOTAL	149.92
8	LINE CURRENT B(A)	0.056	36	RATE REG. 01KVAH. APPARENT IMP.	1.06
9	ACTIVE (F) POWER KW	-0.011	37	RATE REG. 02 KVAH. APPARENT IMP..	1.69
10	ALL PH. (PF)LAG	0.999	38	RATE REG. 03 KVAH. APPARENT IMP.	3.32
11	MAIN ENERGY KWH ACTIVE IMP. TOTAL	3.19	39	RATE REG. 01 KVAH APPARENT EXP.	62.60
12	MAIN ENERGY KWH ACTIVE EXP. TOTAL	212.51	40	RATE REG. 02 KVAH APPARENT EXP.	0.00
13	MAIN ENERGY KWH ACTIVE IMP. (F)	3.19	41	RATE REG. 03KVAH APPARENT EXP.	150.06
14	MAIN ENERGY KWH ACTIVE EXP. (F)	212.51	42	RATE REG.03 KWH ACTIVE IMP.0TOTAL	2.41
15	MAIN ENERGY KVARH LAG Q1	3.92	43	MD REG. 01 KVA APPARENT IMP.	0.007772
16	MAIN ENERGY KVARH LEAD Q1V	0.11	44	MD REG. 02 KVA APPARENT IMP	0.004696
17	MAIN ENERGY KVARH LEAD REACTIVE Q2	9.81	45	MD REG. 03 KVA APPARENT IMP.	0.003752
18	MAIN ENERGY KVARH LAG REACTIVE Q3	0.19	46	MD REG. 01 KVA APPARENT EXP.	0.471556
19	MAIN ENERGY KVAH APPARENT IMP.	6.07	47	MD REG. 02 KVA APPARENT EXP.	0.0
20	MAIN ENERGY KVAH APPARENT EXP.	212.66	48	MD REG. 03 KVA APPARENT EXP.	0.535072
21	MD KVA APPARENT IMP.	0.007772	49	H1 MD REG. 01 KVA APPARENT IMP.	0.009140
22	MD KVA APPARENT EXP.	0.535072	50	H1 MD REG. 02 KVA APPARENT IMP.	0.008744
23	H1 MD KVA APPARENT IMP.	0.009140	51	H1 MD REG. 03 KVA APPARENT IMP.	0.004512
24	H1 MD KVA APPARENT EXP.	0.548852	52	H1 MD REG. 01 KVA APPARENT EXP	0.513344
25	RISING DEMAND KVA APPARENT IMP.	0.0	53	H1 MD REG. 02 KVA APPARENT IMP.	0.0
26	RISING DEMAND KVA APPARENT EXP.	0.005308	54	H1 MD REG. 03 KVA APPARENT IMP.	0.548852

H.m. Botadara


Main Energy, kWh
Active Export Total
0004517.75
OBIS 1.0.2.8.0.255
Alarm
Pulse Outputs
L1
1
2
3
L2
Apex 150
S.No.: PG5191B
SECURE

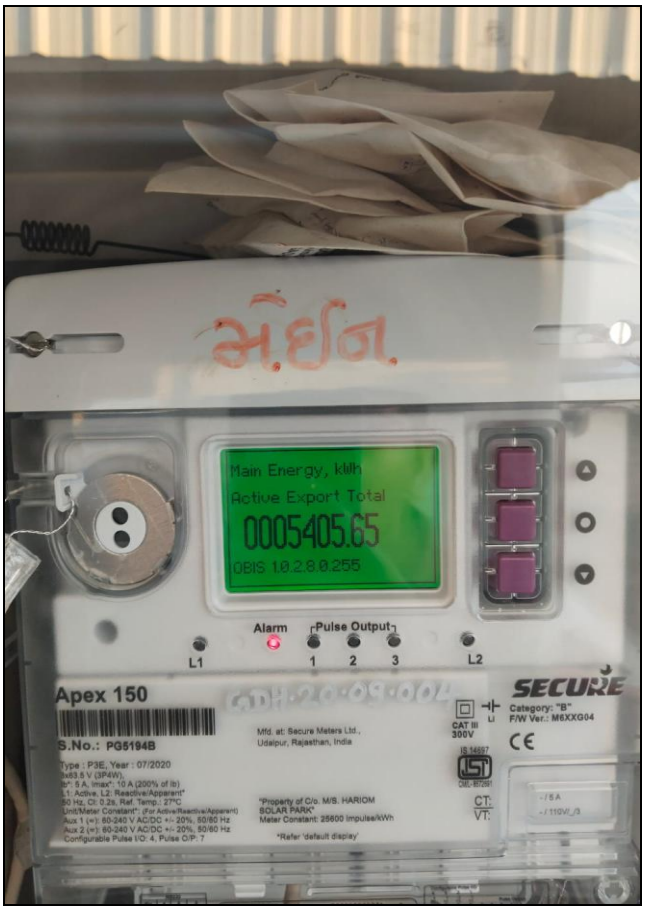

Trinasolar
H01210712203760
Trinasolar
TSM-450DE17M(II)
Made in China
Maximum Power (Pmax) 450W
Maximum Power Voltage (Vmp) 41.0V
Maximum Power Current (Imp) 10.98A
Open Circuit Voltage (Voc) 49.6V
Short Circuit Current (Isc) 11.53A
Maximum Series Fuse 20A
Power Selection 0 ~ 5W
Module Application Class A
Safety Class Class II
Maximum System Voltage IEC1500V
WARNING-ELECTRICAL HAZARD


Gopinath Inverter-1

Hariom Solar park

SR NO	PG5194B		IMP/KWH	25600 Impulse/KWh	
LAB NO	GDH 20.09.004		PROPERTY	M/S HARIOM	
AMP	-/5A		APEX 150/100	150	
VOLT	-/110V V3		DATE	04/12/2020	
1	SR. NO	PG5194B	28	BILLING COUNT	0007
2	DATE	04 DEC 2020	29	RATE REG. 01 KWH. ACTIVE EXP. TOTAL	54.49
3	TIME	11:40:04	30	RATE REG. 02 KWH. ACTIVE EXP. TOTAL	0.0
4	LINE VOLTAGE R	065.34	31	RATE REG. 01 KWH. ACTIVE IMP. TOTAL	0.39
5	LINE VOLTAGE Y	067.28	32	RATE REG. 02 KWH. ACTIVE IMP. TOTAL	0.47
6	LINE VOLTAGE B	066.14	33	H1 CMD KVA APPARENT IMP.	1614816
7	LINE CURRENT R(A)	0.056	34	H1 CMD KVA APPARENT EXP.	1372436
8	LINE CURRENT Y(A)	0.043	35	RATE REG. 03 KWH. ACTIVE EXP.TOTAL	127.70
9	LINE CURRENT B(A)	0.041	36	RATE REG. 01KVAH. APPARENT IMP.	0.97
10	ACTIVE (F) POWER KW	-00.009	37	RATE REG. 02 KVAH. APPARENT IMP.	1.73
11	ALL PH. (PF)LAG	0.999	38	RATE REG. 03 KVAH. APPARENT IMP.	3.27
12	MAIN ENERGY KWH ACTIVE IMP. TOTAL	3.22	39	RATE REG. 01 KVAH APPARENT EXP.	54.49
13	MAIN ENERGY KWH ACTIVE EXP. TOTAL	182.19	40	RATE REG. 02 KVAH APPARENT EXP.	0.0
14	MAIN ENERGY KWH ACTIVE IMP. (F)	3.22	41	RATE REG. 03KVAH APPARENT EXP.	127.85
15	MAIN ENERGY KWH ACTIVE EXP. (F)	182.20	42	RATE REG.03 KWH ACTIVE IMP.0TOTAL	2.36
16	MAIN ENERGY KVARH LAG Q1	3.81	43	MD REG. 01 KVA APPARENT IMP.	0.005696
17	MAIN ENERGY KVARH LEAD Q1V	0.11	44	MD REG. 02 KVA APPARENT IMP	0.004124
18	MAIN ENERGY KVARH LEAD REACTIVE Q2	8.36	45	MD REG. 03 KVA APPARENT IMP.	0.003556
19	MAIN ENERGY KVARH LAG REACTIVE Q3	0.19	46	MD REG. 01 KVA APPARENT EXP.	0.419448
20	MAIN ENERGY KVAH APPARENT IMP.	5.97	47	MD REG. 02 KVA APPARENT EXP.	0.0
21	MAIN ENERGY KVAH APPARENT EXP.	182.34	48	MD REG. 03 KVA APPARENT EXP.	0.476576
22	MD KVA APPARENT IMP.	0.005696	49	H1 MD REG. 01 KVA APPARENT IMP.	0.006612
23	MD KVA APPARENT EXP.	0.476576	50	H1 MD REG. 02 KVA APPARENT IMP.	0.006360
24	H1 MD KVA APPARENT IMP	0.006612	51	H1 MD REG. 03 KVA APPARENT IMP.	0.004004
25	H1 MD KVA APPARENT EXP.	0.488924	52	H1 MD REG. 01 KVA APPARENT EXP	0.451040
26	RISING DEMAND KVA APPARENT IMP.	0.0	53	H1 MD REG. 02 KVA APPARENT IMP.	0.0
27	RISING DEMAND KVA APPARENT EXP.	0.001840	54	H1 MD REG. 03 KVA APPARENT IMP.	0.483924

h.m.Bhadani



Sakti Solar park

SR NO	PG 5192B		IMP/KWH	25600	
LAB NO	GDH 20.09.002		PROPERTY	M/S Sakti Solar park	
AMP	-/5		APEX 150 /100		
VOLT	-/110V		DATE	4/12/20	
1	SR. NO	PG 5192B	28	BILLING COUNT	0007
2	DATE	4/12/20	29	RATE REG. 01 KWH. ACTIVE EXP. TOTAL	44.36
3	TIME	11:34:00	30	RATE REG. 02 KWH. ACTIVE EXP. TOTAL	0.0
4	LINE VOLTAGE R	65.15	31	RATE REG. 01 KWH. ACTIVE IMP. TOTAL	0.61
5	LINE VOLTAGE Y	66.96	32	RATE REG. 02 KWH. ACTIVE IMP. TOTAL	0.98
6	LINE VOLTAGE B	65.91	33	H1 CMD KVA APPARENT IMP.	1.613160
7	LINE CURRENT R(A)	0.044	34	H1 CMD KVA APPARENT EXP.	1.247756
8	LINE CURRENT Y(A)	0.039	35	RATE REG. 03 KWH.ACTIVE EXP.TOTAL	105.66
9	LINE CURRENT B(A)	0.046	36	RATE REG. 01KVAH. APPARENT IMP.	1.02
10	ACTIVE (F) POWER KW	-00.008	37	RATE REG. 02 KVAH. APPARENT IMP.	1.86
11	ALL PH. (PF)LAG	0.999	38	RATE REG. 03 KVAH. APPARENT IMP.	3.36
12	MAIN ENERGY KWH ACTIVE IMP. TOTAL	4.10	39	RATE REG. 01 KVAH APPARENT EXP.	44.37
13	MAIN ENERGY KWH ACTIVE EXP. TOTAL	150.02	40	RATE REG. 02 KVAH APPARENT EXP.	0.0
14	MAIN ENERGY KWH ACTIVE IMP. (F)	4.10	41	RATE REG. 03KVAH APPARENT EXP.	105.80
15	MAIN ENERGY KWH ACTIVE EXP. (F)	150.01	42	RATE REG.03 KWH ACTIVE IMP.0TOTAL	2.51
16	MAIN ENERGY KVARH LAG Q1	3.65	43	MD REG. 01 KVA APPAKENT IMP.	0.006220
17	MAIN ENERGY KVARH LEAD Q1V	0.11	44	MD REG. 02 KVA APPARENT IMP	0.004948
18	MAIN ENERGY KVARH LEAD REACTIVE Q2	6.44	45	MD REG. 03 KVA APPARENT IMP.	0.004984
19	MAIN ENERGY KVARH LAG REACTIVE Q3	0.19	46	MD REG. 01 KVA APPARENT EXP.	0.317056
20	MAIN ENERGY KVAH APPARENT IMP.	6.24	47	MD REG. 02 KVA APPARENT EXP.	0.00
21	MAIN ENERGY KVAH APPARENT EXP.	150.17	48	MD REG. 03 KVA APPARENT EXP.	0.425696
22	MD KVA APPARENT IMP.	0.006220	49	H1 MD REG. 01 KVA APPARENT IMP.	0.006912
23	MD KVA APPARENT EXP.	0.425696	50	H1 MD REG. 02 KVA APPARENT IMP.	0.006724
24	H1 MD KVA APPARENT IMP.	0.006912	51	H1 MD REG. 03 KVA APPARENT IMP.	0.004724
25	H1 MD KVA APPARENT EXP.	0.431316	52	H1 MD REG. 01 KVA APPARENT EXP	0.400812
26	RISING DEMAND KVA APPARENT IMP.	0.0	53	H1 MD REG. 02 KVA APPARENT IMP.	0.00
27	RISING DEMAND KVA APPARENT EXP.	0.051072	54	H1 MD REG. 03 KVA APPARENT IMP.	0.431316

SR NO	PG 5193B		IMP/KWH	25600 imp/kh	
LAB NO	GDH 20.9 003		PROPERTY	SURYA SOLAR PARK	
AMP	-5		APEX 150 /100		
VOLT	-110		DATE	-4/10/2022	
1	SR. NO	PG 5193 B	28	BILLING COUNT	0029
2	DATE	4/10/22	29	RATE REG. 01 KWH. ACTIVE EXP. TOTAL	702.36
3	TIME	15:24:42	30	RATE REG. 02 KWH. ACTIVE EXP. TOTAL	0.00
4	LINE VOLTAGE R	61.63	31	RATE REG. 01 KWH. ACTIVE IMP. TOTAL	3.46
5	LINE VOLTAGE Y	63.20	32	RATE REG. 02 KWH. ACTIVE IMP. TOTAL	6.85
6	LINE VOLTAGE B	62.08	33	H1 CMD KVA APPARENT IMP.	1.699892
7	LINE CURRENT R(A)	2.410	34	H1 CMD KVA APPARENT EXP.	15.371260
8	LINE CURRENT Y(A)	2.413	35	RATE REG. 03 KWH.ACTIVE EXP.TOTAL	1859.40
9	LINE CURRENT B(A)	2.417	36	RATE REG. 01KVAH. APPARENT IMP.	5.84
10	ACTIVE (F) POWER KW	-00.451	37	RATE REG. 02 KVAH. APPARENT IMP..	12.10
11	ALL PH. (PF)LAG	0.999	38	RATE REG. 03 KVAH. APPARENT IMP.	4.21
12	MAIN ENERGY KWH ACTIVE IMP. TOTAL	13.24	39	RATE REG. 01 KVAH APPARENT EXP.	702.36
13	MAIN ENERGY KWH ACTIVE EXP. TOTAL	2561.80	40	RATE REG. 02 KVAH APPARENT EXP.	0.00
14	MAIN ENERGY KWH ACTIVE IMP. (F)	13.23	41	RATE REG. 03KVAH APPARENT EXP.	1859.56
15	MAIN ENERGY KWH ACTIVE EXP. (F)	2561.77	42	RATE REG.03 KWH ACTIVE IMP.0TOTAL	2.93
16	MAIN ENERGY KVARH LAG Q1	16.36	43	MD REG. 01 KVA APPARENT IMP.	0.003036
17	MAIN ENERGY KVARH LEAD Q1V	0.12	44	MD REG. 02 KVA APPARENT IMP	0.002736
18	MAIN ENERGY KVARH LEAD REACTIVE Q2	87.28	45	MD REG. 03 KVA APPARENT IMP.	0.001412
19	MAIN ENERGY KVARH LAG REACTIVE Q3	0.19	46	MD REG. 01 KVA APPARENT EXP.	0.625292
20	MAIN ENERGY KVAH APPARENT IMP.	22.15	47	MD REG. 02 KVA APPARENT EXP.	0.00
21	MAIN ENERGY KVAH APPARENT EXP.	2561.96	48	MD REG. 03 KVA APPARENT EXP.	0.658592
22	MD KVA APPARENT IMP.	0.003036	49	H1 MD REG. 01 KVA APPARENT IMP.	0.004572
23	MD KVA APPARENT EXP.	0.658592	50	H1 MD REG. 02 KVA APPARENT IMP.	0.004076
24	H1 MD KVA APPARENT IMP.	0.004572	51	H1 MD REG. 03 KVA APPARENT IMP.	0.002296
25	H1 MD KVA APPARENT EXP.	0.670816	52	H1 MD REG. 01 KVA APPARENT EXP	0.616268
26	RISING DEMAND KVA APPARENT IMP.	0.00	53	H1 MD REG. 02 KVA APPARENT IMP.	0.000000
27	RISING DEMAND KVA APPARENT EXP.	0.412820	54	H1 MD REG. 03 KVA APPARENT IMP.	0.670816

① 8272966 (Intern
② 8272964)