

## Gold Standard for the Global Goals Annual Report



**March 2018 - Version 1.1**

Project Title	400 MW Solar Power Project at Bhadla, Rajasthan
Gold Standard ID	GS 7071
Date of Annual Report	18/10/2021
Date of Design Certification	27/03/2020
Date of Transition Approval (Transition Projects only)	NA
Date of Last Verification	01/09/2019 to 30/09/2020 (Inclusive of both the dates)

**A/R Projects Only** - If the project is certified according to the Forest Stewardship Council (FSC), the Certification Status replaces the completion of this template. Please provide the FSC Audit Report and provide a reference to this supporting document in this template. In addition, please provide evidence on how the project demonstrates conformity to Gold Standard Safeguarding Principle 4.2.1 on Water (FSC Certification is not deemed as evidence that this Principle is met). For further guidance refer to the section “FSC Dual Certification” in the Land Use and Forests Activity Requirements.

Please outline how your project meets each of the following requirements, referring to any supporting documentation where necessary.

### **1 – Annual Reporting**

Please include the following information

**(a) a summary of the recent activities, events and actions related to the Project:**

**Project activity**

The project activity is to generate power using renewable energy source (solar energy) and sell the power generated to the state grid. The project activity generates electricity using solar energy. The generated electricity is exported to the regional grid system, which is under the purview of the INDIAN electricity grid of India.

The total installed capacity of the current project activity is 400 MW, which involves operation of Solar PV Project in the state of Rajasthan in India. The project is promoted by SB Energy Pvt Ltd.

Project Investor	Project Type	Project Capacity	Date of Commissioning	State	Usage
SB Energy One Private Limited	Solar PV	100 MW	21-09-2018	Rajasthan	Sale to State Discom
		100 MW	24-09-2018		
		100 MW	24-09-2018		
SB Energy Three Private Limited		20 MW	04-10-2018		
		20 MW	04-10-2018		
		30 MW	18-09-2018		
		30 MW	18-09-2018		

**Pre-Project Scenario**

The project activity is a new facility (Greenfield) and the purpose of the project activity is to generate energy electricity by the utilization of renewable solar energy and further selling the generated energy to the Indian Grid. In the Pre- project scenario the entire electricity, delivered to the grid by the project activity, would have otherwise been generated by the operation of grid-connected power plants and by the addition of new generation sources.

**Post-Project Scenario**

The project activity replaces anthropogenic emissions of greenhouse gases estimated to be approximately 779,933 tCO<sub>2</sub>e per year, thereon displacing 832,550 MWh/year amount of electricity from the generation-mix of power plants connected to the INDIAN GRID, which is mainly dominated by thermal/ fossil fuel based power plant.

A summary of the recent activities, major events and actions related to the project is as follows:

Trainings conducted for both skilled and non-skilled manpower involved in the project: -

As a regular practice at site, multiple trainings are conducted for the benefit of the site employees as well as the Local people. This promotes enthusiasm and awareness amongst them, thus contributing to overall lifestyle as well. Training were conducted during the annual reporting period 01/10/2020 – 30/09/2021 which involves both Technical and Non –Technical domain.

Non-Technical or soft skills Training

- Awareness Training Programme on no Smoking, Tobacco and Alcohol
- Training on First Aid skills
- Training on Fire Fighting
- Defensive Driving Training

Technical Training

- Technical Training
- Training on Electrical Appliance
- Electrical Safety

**(b) a clear statement on how stakeholders may provide inputs/grievances:**

The site offices located in Village –Bhadla, Tehsil-Phalodi, Dist. – Jodhpur, State-Rajasthan Host Country - India have a Grievance Register under the responsibility of the Site In-Charge. The villagers can approach the Site-In-Charge/Site Engineer for any kind of grievance or assistance required for day-to-day activities in the vicinity. After receiving the grievance/input, the Site-In-Charge/Engineer takes due approval of activity to be carried out from the concerned management and accordingly executed.

**(c) a list of all inputs/grievances that have been received since last Annual Report together with their respective answers/actions**

As a part of continuous feedback from stakeholders, the grievances register is placed at site and is being continuously monitored and addressed through the grievances cell on regular basis and maintained in a register at site office.

Further no major grievances were being reported during the current annual reporting period.

Few inputs/ suggestions being reported during current Annual reporting period are as follows:

Date of Complaint	Topic	Date of resolution	Response from project owner
07/10/2020	Clean Water not Available	12/10/2020	Clean Water arranged at site for staff
21/12/2020	Lack of Emergency Facilities	30/12/2020	Proper First Aid Kit placed at site
18/03/2021	Site office is not cleaned regularly	22/03/2021	Cleaning schedule has been prepared to maintain the site premises clean

**(d) any incidents or events that may impact the Outcomes/Impacts delivered to date (in terms of loss) or the ongoing Performance of the Project.**

As confirmed by the Project Proponent, no incident or event took place during the Annual Reporting period that may have impacted the Outcomes/Impact delivered to date (in terms of loss) or the ongoing Performance of the Project during the annual reporting period(01/10/2020 – 30/09/2021).

**(e) any legal contest or dispute that has arisen**

As confirmed by the Project Proponent, no legal contest or dispute arose pertaining to this project activity during the annual reporting period (01/10/2020 – 30/09/2021)

**(f) any updates to the Key Project Information, Project Design Document, Monitoring & Reporting Plan and any other supporting documentation**

As confirmed by the Project Proponent, there have been no updates to Key Project Information, Project Design Document, Monitoring & Reporting Plan and any other supporting documentation during the annual reporting period (01/10/2020 – 30/09/2021).

**(g) a brief descriptive summary of all monitoring information collected during the year**

The monitoring methodology specified in the methodology requires that the project-monitoring plan to consist of monitoring of quantity of net electricity supplied to the grid in the year y. In order to monitor the mitigation of GHG due to the project activity, the total energy exported needs to be measured. The net energy supplied to grid by the project activity multiplied by emission factor for regional grid, would form the baseline for the project activity.

Since the baseline emission factor is based on an ex-ante determination, monitoring of this parameter is not required. The sole parameter for monitoring is the net electricity exported to the grid.

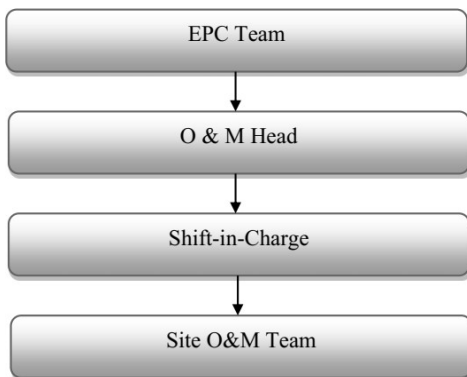
## Monitoring roles and responsibilities

The operational and management structure implemented for data monitoring is as follows:

The monitoring plan is developed in accordance with the modalities and procedures for project activities and is proposed for grid-connected solar power project being implemented within India territory. The monitoring plan, which is implemented by the project proponent describes about the monitoring organisation, parameters to be monitored, monitoring practices, quality assurance, quality control procedures, data storage and archiving.

The authority and responsibility for monitoring, measurement, reporting and reviewing of the data rests with the project proponent. PP proposed the following structure for data monitoring, collection, data archiving and calibration of equipments for this project activity.

The team comprises of the following members:



**Responsibilities of O & M Head:** Overall functioning and maintenance of the project activity and overall responsibility of compliance with the Monitoring Plan.

**Responsibilities of Plant In-charge:** Responsibility for Maintains the data records, ensures completeness of data, and reliability of data. Regularly verifying the monthly energy generation date with energy sales receipt or installed meters reading for identification of any discrepancies in data collection and taking suitable action to rectify them.

**Responsibilities of Shift In-charge:** Responsibility for day-to-day data collection and maintains day-to-day logbook for monitored data. Responsibility for monthly and annual report generation.

Quality assurance of the data/reports and preliminary check of data for any discrepancies.

## QA/QC procedures:

The energy meters at the feeders are maintained and owned by state electricity board. Neither the project proponent nor the site personnel have any control over it. The records are cross-checked with the records of sold electricity to state electricity board. The meters are calibrated by state electricity board at-least once in five years.

## Data Measurement:

The export and import energy are measured continuously using above-mentioned Main & Check meters. Export & Import readings of Main & Check meters are taken on monthly basis by authorized officer of state electricity board in the presence of PP or representative of PP. The meter readings are taken jointly and signed by the representatives of the state electricity board and project investors.

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Based on the readings invoices are raised by project investors. These invoices can be used for cross checking the meter readings taken for the project activity. It is to be noted though PP or PP representative is available during meter reading, the calculations of net electricity supplied to grid is completely under purview of state electricity board officer and PP do not have any control on it. In addition, accuracy class of meters and calibration frequency is under purview of state electricity board officer and PP do not have any control on it. PP got the monthly credit report from where net electricity supplied to grid is obtained and used for emission reduction calculations.

## **Apportioning:**

In case of common metering arrangement, state electricity board is apportioning and PP is getting break up sheet where the energy supplied by project activity to grid is mentioned.

The same break up sheet is used for invoice purpose. This apportioning process is under control of state electricity board and PP do not have any control on it.

## **Data Archiving:**

Monthly data are archived electronically and in paper form and stored for the entire crediting period and two years thereafter.

## **Emergency preparedness:**

The project activity does not result in any unidentified activity that can result in substantial emissions from the project activity. No need for emergency preparedness in data monitoring is visualized.

In the event that the main meter, which is used to record the net electricity exported by the project, is found to be faulty, it is repaired or replaced and the data from the check meter is used in its place. In the unlikely event that the check meter fails, it will also be repaired or replaced. In the present monitoring period from period from 01/10/2020-30/09/2021 (both days included) no such incident of meter faulty.

## **Training and maintenance requirements:**

Each and every site personnel is provided with proper training to meet the requirements of the Operations and maintenance. This ultimately leads to creativity in problem solving and increases efficiency.

## **Personnel training:**

In order to ensure a proper functioning of the project activity and a properly monitoring of emission reductions, the staff (Solar team) is trained. The plant helpers are trained in equipment operation, data recording, reports writing, operation and maintenance and emergency procedures in compliance with the monitoring plan.

## **Apportioning:**

In case of mismatch of date between the start date of the billing cycle and the start date of monitoring period the data will be apportioned in line to the daily generation values for the said mismatch period. This procedure has not been used in the present monitoring period from 01/10/2020-30/09/2021 (both days included)

## **SDG 7: Affordable and Clean Energy**

- **Quantity of net electricity supplied to the grid from the project**  
: 993052.57 MWh/Year

## **SDG 8 : Decent Work and Economic Growth**

- **Number of people employed directly due to the project activity:**

Total 20 peoples gets employed which includes 15 Skilled and 5 Un-skilled.

➤ **Quality of employment** - Training of staff

Both Technical and Non-Technical Trainings were provided to employees.

**Non-Technical or soft skills Training**

- Awareness Training Programme on no Smoking, Tobacco and Alcohol
- Training on First Aid skills
- Training on Fire Fighting
- Defensive Driving Training

**Technical Training**

- Technical Training
- Training on Electrical Appliance
- Electrical Safety

(h) list of stakeholders (with contact details) who will receive the ‘Annual Report’

S. No.	Name of Stakeholder	Designation & Contact Details
1	Mr. Yogesh Kumar (100MW) Mr. Gajendra Singh (300MW)	Site in Charge, Village - Bhadla, Tehsil - Phalodi, District- Jodhpur, State-Rajasthan
2	Local people	A copy of this report will be put up at the Site Offices.
3	Gold Standard Listed NGO's	Global Offset Research siddharth Yadav - syadav@globaloffsetresearch.com  Lean Management Systems Promotion Society Raave Jain - lmpsindore@gmail.com  HIVOS Harry Clemens - hclemens@hivos.org  Redemption Research for Health and Educational Development Society Kennady Pulipati - RRHEDS@gmail.com  Climate Works Australia Dani Robertson - dani.robertson@climateworksaustralia.org  myclimate Thomas Finsterwald - thomas.finsterwald@myclimate.org  CAAP Dr.Korhan Saglam - ksaglam@caapholding.com  NCMA India Bholendra Singh - info@ncmaindia.org

(i) any update of the 'Project Participants & Secured Titles' (in case of changes)

As confirmed by the Project Proponent, there have been no update of the 'Project Participants & Secured Titles' (in case of changes) during the annual reporting period (01/10/2020 – 30/09/2021)


## 2 – Inputs/Grievances Template Report

Date	Comment	Action requested from project owner	Response from project owner	Person designated with responsibility by project owner	Issue resolved?
07/10/2020	Clean Water not Available	Mr. N P Singh	Clean Water arranged at site for staff	Mr. Yogesh Kumar & Mr. Gajendra Singh	Yes
21/12/2020	Lack of Emergency Facilities	Mr. N P Singh	Proper First Aid Kit placed at site	Mr. Yogesh Kumar & Mr. Gajendra Singh	Yes
18/03/2021	Site office is not cleaned regularly	Mr. N P Singh	Cleaning schedule has been prepared to maintain the site premises clean	Mr. Yogesh Kumar & Mr. Gajendra Singh	Yes

## 3 - Declaration of correct project information

<b>Project Owner Organization</b>	SB Energy Four Private Limited
<b>Registration number with relevant authority</b>	Corporate Identification Number is (CIN) U74999DL2018PTC331864 and its registration number is 331864
<b>Full Address (including Country)</b>	1 st Floor, Aerocity, NH 8 1 st Floor, Aerocity, NH 8, Worldmark II, New Delhi, Pincode – 110037, India
<b>Website</b>	<a href="http://www.sbenergy.com">www.sbenergy.com</a>
<b>Email address</b>	<a href="mailto:info@sbenergy.com">info@sbenergy.com</a>

I hereby certify and declare that, to the best of my knowledge, the project complies with the project information submitted to The Gold Standard.

<b>First name</b>	Bimal
<b>Last name</b>	Jindal
<b>Position</b>	Vice President
<b>Place, Date and Signature</b>	<p>For SB Energy Private Limited</p>  <p>Name: Mr. Bimal Jindal Designation: Vice President - SCM</p> <p>Place: New Delhi; Date: 18/10/2021</p>