



Monitoring Report

CARBON OFFSET UNIT (CoU) PROJECT



Title: 14.335 MW Bundled Solar Power Projects by Jay International
Version 1.0

Date 10.07.2025

1st Monitored Period: 01/01/2020 to 31/12/2024 (05 years, 00 months)

1st Crediting Period: 01/01/2020 to 31/12/2024 (both dates inclusive)



Monitoring Report (MR) CARBON OFFSET UNIT (CoU) PROJECT

Monitoring Report	
Title of the project activity	14.335 MW Bundled Solar Power Projects by Jay International
UCR Project Registration Number	554
Version	1.0
Completion date of the MR	10.07.2025
Monitoring period number and duration of this monitoring period	Monitoring Period Number: 1 Duration of this monitoring Period: 01/01/2020 to 31/12/2024 (both dates inclusive)
Project participants	M/s Jay International (PP) Yojan Solution Pvt. Ltd. (Aggregator)
Host Party	INDIA
Applied methodologies and standardized baselines	Applied Baseline Methodology: AMS-I.D.: "Grid connected renewable electricity generation", version 18 Standardized Baseline: UCR Protocol Emission Factor
Sectoral scopes	01 Energy industries (Renewable/Non-Renewable Sources)
Estimated amount of GHG emission reductions for this monitoring period in the registered PCN	2020: 4996 CoUs (4996 tCO ₂ e)
	2021: 7240 CoUs (7240 tCO ₂ e)
	2022: 16556 CoUs (16556 tCO ₂ e)
	2023: 16146 CoUs (16146 tCO ₂ e)
	2024: 13594 CoUs (13594 tCO ₂ e)
Total:	58,532 CoUs (58,532 tCO₂e)

SECTION A. Description of project activity

A.1. Purpose and general description of project activity >>

a) Purpose of the project activity and the measures taken for GHG emission reductions >>

The project activity involves the development and operation of a **14.335 MW ground-mounted, grid-connected solar photovoltaic (PV) power plant**, consisting of **11.815 MW in Jamnagar, Gujarat** and **2.52 MW in Nashik, Maharashtra**. The project aims to harness solar energy to generate clean electricity and supply it to the Indian grid or end-users via grid infrastructure. By doing so, it displaces electricity that would have otherwise been generated by fossil fuel-based power plants, thereby contributing to significant greenhouse gas (GHG) emission reductions.

The **Jamnagar system** supplies electricity under **Power Purchase Agreements (PPAs)**, whereas the **Nashik system** operates under the **Open Access mechanism**, wheeling power to a designated consumer. Both installations are grid-connected and use high-efficiency mono PERC and multi-crystalline PV modules mounted on fixed-tilt ground structures.

The project adheres to the approved CDM small-scale methodology **AMS-I.D. Version 18**, which establishes that the baseline scenario is the generation of electricity from fossil fuel-based power plants connected to the grid. The solar energy generated from the project avoids CO₂ emissions that would have occurred in the absence of the project.

For the purpose of emission reduction calculations:

- A **grid emission factor of 0.9 tCO₂/MWh** is applied for electricity generated and supplied to the grid for the **vintage years 2013–2023**. This is the default conservative value recommended by the **Universal Carbon Registry (UCR)** for Indian renewable energy projects not previously registered under any GHG program.
- For the **2024 vintage year**, the project uses an updated **combined margin emission factor of 0.757 tCO₂/MWh**, calculated using data from the **Central Electricity Authority (CEA)** of India. This value reflects a more current and region-specific grid emission profile, and it is also conservative as it results in slightly lower emission reductions.

In both cases, by displacing fossil fuel-based electricity with clean solar power, the project achieves measurable, reportable, and verifiable net human-induced GHG emission reductions, supporting both national renewable energy targets and international climate commitments.

b) Brief description of the installed technology and equipment>>

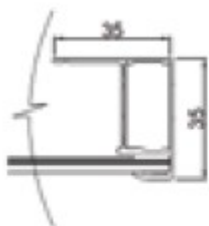
The solar project has a total capacity of **14.335 megawatts (MW)** and is spread across two ground-mounted installations located in **Jamnagar, Gujarat (11.815 MW)** and **Nashik, Maharashtra (2.52 MW)**. These systems utilize photovoltaic technology to convert sunlight into electricity, directly contributing to clean energy generation while displacing fossil-fuel-based power sources. The installations are designed for grid integration and long-term performance, equipped with high-efficiency modules, robust structural foundations, and smart monitoring infrastructure.

System Design and Technology

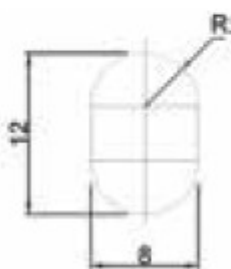
The technology employed involves **solar photovoltaic (PV) modules** mounted on fixed-tilt ground-mounted structures. The modules convert solar irradiance into direct current (DC) electricity, which is then routed through inverters that convert it to alternating current (AC) for injection into the grid. The project uses **mono**

PERC and polycrystalline modules, with high module efficiencies (above 20% for mono PERC and around 17% for polycrystalline).

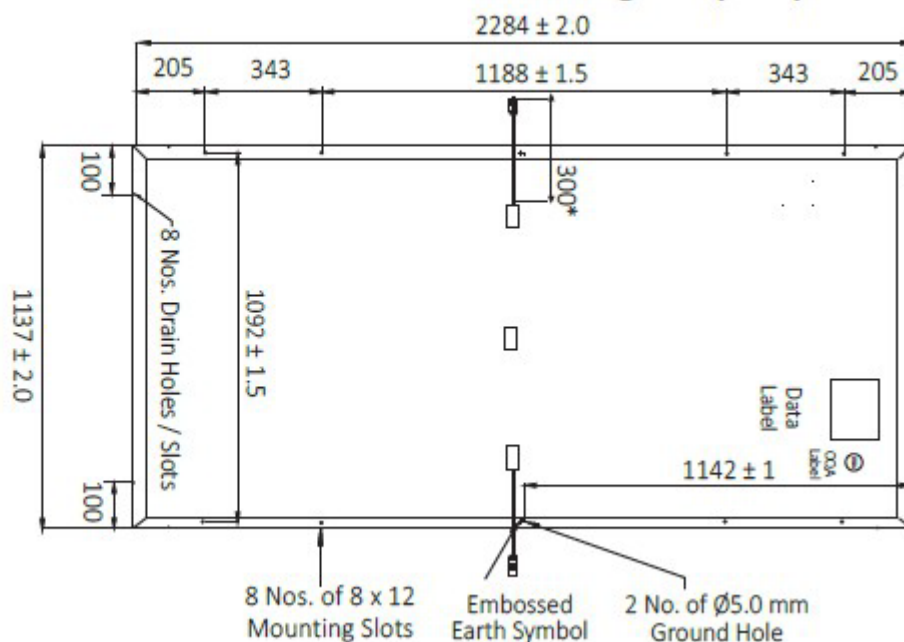
Frame Cross Section



Mounting Hole



Module Dimension Diagram (mm)

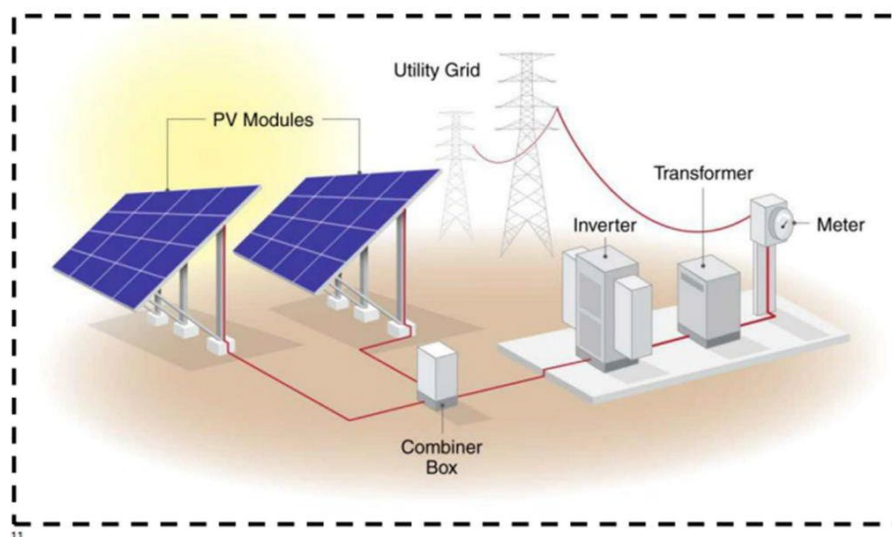


The Jamnagar site primarily uses mono PERC modules like **Waaree ARKA WSMD-540 series**, while the Nashik site uses **Navisol NSA330** polycrystalline modules.

In **Jamnagar**, the **11.815 MW** installation spans a large, prepared land area with a clear solar exposure. Ground-mounted arrays are organized in multiple strings, supported on galvanized steel structures anchored with RCC footings. Module interconnection is done through MC4-compatible connectors with DC cables routed to string inverters.

The inverters are placed in inverter rooms, and power is collected at a central transformer yard before being stepped up and transmitted to the grid. The system includes protective equipment such as lightning arresters, surge protection devices, and earthing pits.

In **Nashik**, the **2.52 MW** system follows a similar engineering approach, adapted to the regional site characteristics. The system uses **NSA330 330 Wp polycrystalline modules** arranged in long rows, each mounted on metallic structures fixed in concrete. The modules have a **module efficiency of 17.0%**, an open circuit voltage of **45.3 V**, and a short circuit current of **9.52 A**. These modules feed into centralized or distributed inverters rated for medium-scale commercial operations. The entire system is monitored through a SCADA-based control room, which tracks real-time generation, voltage, and performance.



Project Boundary

Key Module Specifications

Specification	Jamnagar (Mono PERC)	Nashik (NSA330)
Rated Power (Pmax)	530–550 Wp	330 Wp
Module Efficiency	20.2%–21.3%	17.00%
Voltage at Max Power (Vmp)	~41.8 V	36.8 V
Current at Max Power (Imp)	~13.0 A	8.97 A
Open Circuit Voltage (Voc)	~50.0 V	45.3 V
Short Circuit Current (Isc)	~13.8 A	9.52 A
Operating Temp Range	-40 to +85 °C	-40 to +85 °C
System Voltage	1500 V	1000–1500 V

c) Relevant dates for the project activity (e.g. construction, commissioning, continued operation periods, etc.)>>

UCR Project ID or Date of Authorization: 554

Start Date of Crediting Period: 01/01/2020

Project Commissioned: 31/12/2019

The details of the Solar PV installations in **Jamnagar district** are provided below:

No.	Project	Date of Commissioning	Total Installed Capacity (MW)
1	DS RE Energy	27-12-2019	0.972
2	JTK Industries	31-12-2019	0.902
3	Yug Energy	31-12-2019	0.516
4	BJV Enterprise	31-12-2019	0.599
5	Vitrag Sun Power	25-11-2021	1
6	Vitrag Solar Energy	25-11-2021	1
7	SSK Power	09-12-2021	0.547
8	Sunlight Energy	09-12-2021	0.547
9	Arka Power	09-12-2021	0.547
10	Naranbhai Nandania	09-12-2021	0.547
11	RLZ Energy	10-03-2022	0.599
12	SRK Power	10-03-2022	0.599
13	Sunrise Energy	10-03-2022	0.599
14	Urza Solar	10-03-2022	0.599
15	KD Power	11-03-2022	0.648
16	TNM power	11-03-2022	0.599
17	Jay International	06-06-2022	0.399
18	Rupam Overseas	23-08-2022	0.596

The details of the Solar PV installations located **Nashik district** is provided below

No.	Project	Date of Commissioning	Total Installed Capacity (MW)
19	Ashoka Institute of Medical Sciences & Research	11/09/2020	2.52

d) Total GHG emission reductions achieved or net anthropogenic GHG removals by sinks achieved in this monitoring period>>

The total GHG emission reductions achieved in this monitoring period is as follows:

Summary of the Project Activity and ERs Generated for the Monitoring Period	
Start date of this Monitoring Period	01/01/2020
Carbon credits claimed up to	31/12/2024
Total ERs generated (tCO ₂ eq)	58,532 tCO₂e
Leakage	0 tCO₂e

e) Baseline Scenario>>

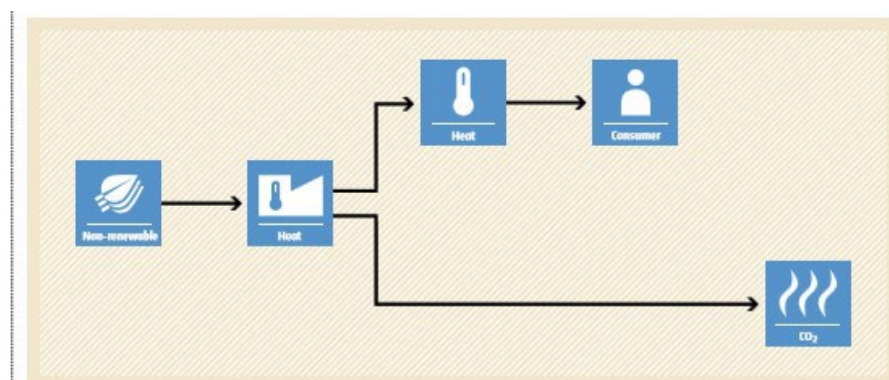
The baseline scenario identified at the PCN stage of the project activity is: “Grid”

In the absence of the project activity, the equivalent amount of electricity would have been imported from the regional grid (which is connected to the unified Indian Grid system), which is carbon intensive due to predominantly sourced from fossil fuel-based power plants. Hence, baseline scenario of the project activity is the grid-based electricity system, which is also the pre-project scenario.

Schematic diagram showing the baseline scenario:

BASILINE SCENARIO

Thermal energy would be produced by more-GHG-intensive means based on the use of non-renewable biomass.



The "grid emission factor" refers to the CO₂ emission factor (tCO₂/MWh) associated with each unit of electricity supplied by an electricity system. The UCR recommends an emission factor of 0.9 tCO₂/MWh as a fairly conservative estimate for Indian projects that have not been previously verified under any GHG program for the vintage years **2013–2023**.

For the **2024** vintage year, a grid emission factor of 0.757 tCO₂/MWh has been considered. The combined margin emission factor calculated from the CEA database in India results in higher emissions than the default value.

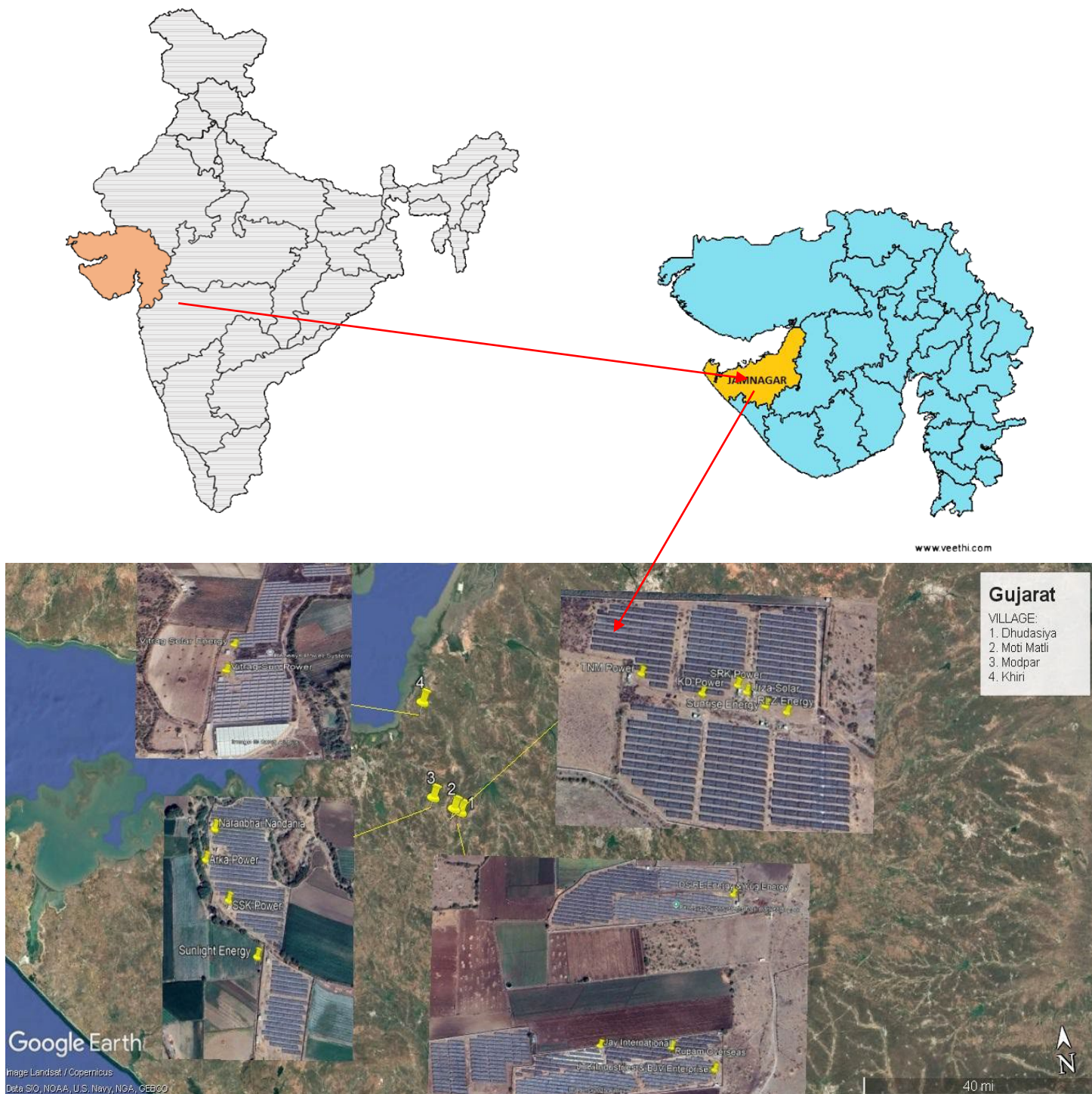
Hence, the same emission factor has been used to calculate the emission reduction under a conservative approach

A.2. Location of project activity>>

Gujarat-Based Installations (under PGVCL - Jamnagar District)

No.	Entity Name	Country	State	District	Tehsil	Village	Code (PIN)
1	Jay International	India	Gujarat	Jamnagar	Jamnagar	Dhudasiya	361130
2	JTK Industries	India	Gujarat	Jamnagar	Jamnagar	Dhudasiya	361130
3	DS RE Energy	India	Gujarat	Jamnagar	Jamnagar	Dhudasiya	361130
4	Yug Energy	India	Gujarat	Jamnagar	Jamnagar	Dhudasiya	361130
5	BJV Enterprise	India	Gujarat	Jamnagar	Jamnagar	Dhudasiya	361130
6	Rupam Overseas	India	Gujarat	Jamnagar	Jamnagar	Dhudasiya	361130
7	KD Power	India	Gujarat	Jamnagar	Kalawad	Moti Matli	361013
8	RLZ Energy	India	Gujarat	Jamnagar	Kalawad	Moti Matli	361013
9	SRK Power	India	Gujarat	Jamnagar	Kalawad	Moti Matli	361013
10	Sunrise Energy	India	Gujarat	Jamnagar	Kalawad	Moti Matli	361013
11	TNM Power	India	Gujarat	Jamnagar	Kalawad	Moti Matli	361013
12	Urza Solar	India	Gujarat	Jamnagar	Kalawad	Moti Matli	361013
13	SSK Power	India	Gujarat	Jamnagar	Jamnagar	Modpar	360531
14	Sunlight Energy	India	Gujarat	Jamnagar	Jamnagar	Modpar	360531
15	Arka Power	India	Gujarat	Jamnagar	Jamnagar	Modpar	360531
16	Naranbhai Nandania	India	Gujarat	Jamnagar	Jamnagar	Modpar	360531
17	Vitrag Sun Power	India	Gujarat	Jamnagar	Jodiya	Khiri	361250
18	Vitrag Solar Energy	India	Gujarat	Jamnagar	Jodiya	Khiri	361250

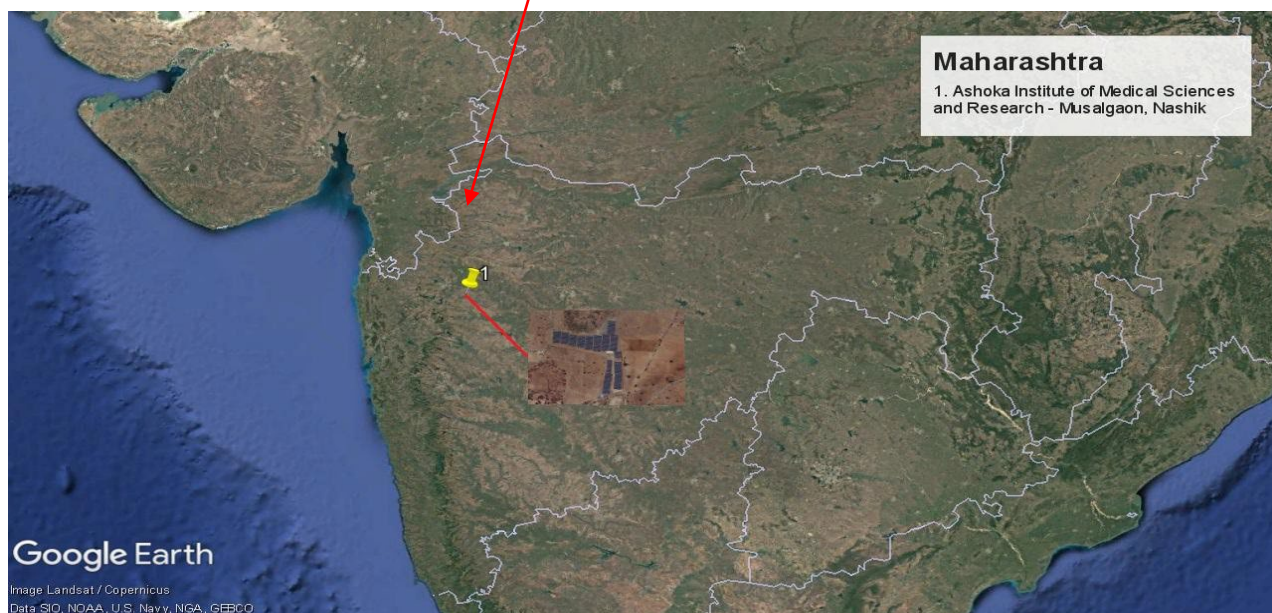
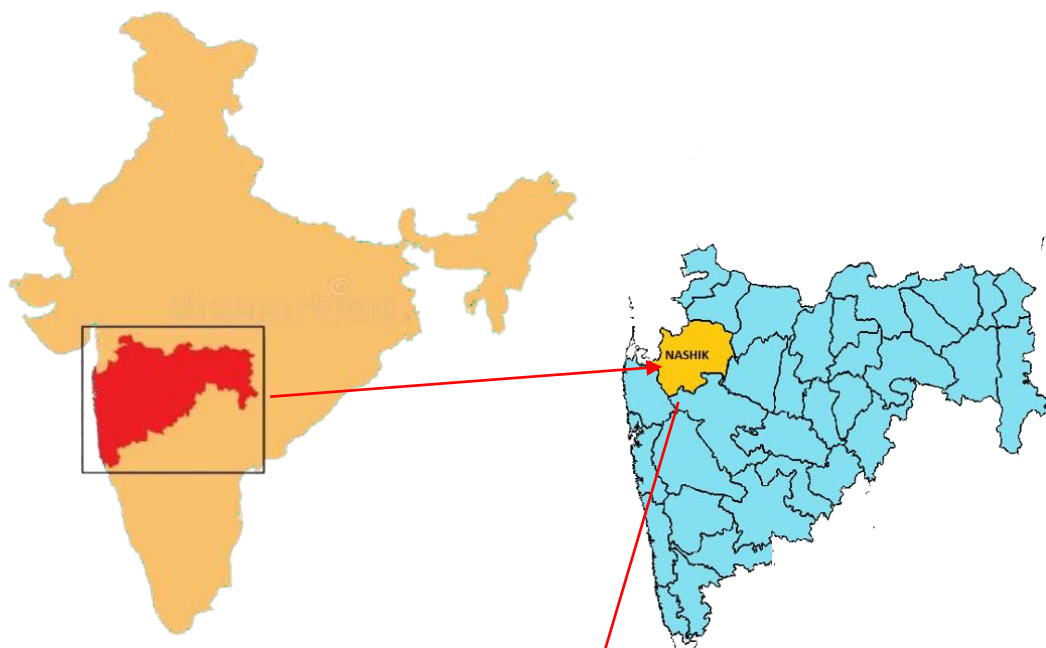
Jamnagar district in Gujarat is well-connected by air, rail, and road, making it strategically suitable for infrastructure and energy projects. The city is served by **Jamnagar Airport (JGA)**, located just 6.7 km from the center, with regular flights to major cities like Mumbai and Ahmedabad. **Jamnagar Railway Station** links the district to India's Western Railway network, providing direct connections to major cities including Delhi and Mumbai. The region is also accessible via national highways, with the upcoming **Amritsar-Jamnagar Expressway (NH-754)** set to boost connectivity further. Additionally, proximity to **Bedi Port** with rail linkage enhances its role as a logistics and industrial hub.



Maharashtra-Based Installation (under MSECL - Open Access)

No.	Entity Name	Country	State	District	Tehsil	Village	Code (PIN)
19	Ashoka Institute of Medical Sciences & Research	India	Maharashtra	Nashik	Sinnar	Musalgaon	422112

Musalgaon, Sinnar in Nashik district is well-connected by major transport routes. It lies near **NH-60** and the **Samruddhi Mahamarg Expressway**, ensuring strong road connectivity to Mumbai, Pune, and other cities. The **Nashik Road Railway Station**, around 30 km away, links the area to India's central rail network. Additionally, **Nashik Airport (Ozar)**, about 40 km from Musalgaon, offers flights to major Indian cities, supporting regional access and mobility.



A.3. Parties and project participants >>

Party (Host)	Participants
INDIA	Jay International (Project Proponent) Address: Plot No 464, GIDC, Shankar Teri Udhyognagar, Jamnagar – 361004 Gujarat (India) Yojan Solutions Pvt. Ltd. (Aggregator) UCR ID: UCR Contact: naimishra@yojan.in Contact Person: Dipti Raval Email: info@yojan.in , projects@yojan.in

A.4. References to methodologies and standardized baselines >>

The project activity is approved under the positive list of approved activities under the UCR CoU Standard

Sectoral Scope	01, Energy industries (Renewable/Non-renewable sources)
Type	I - Renewable Energy Projects
Scale	Small Scale
Category	AMS-I.D. (Title: “Grid connected renewable electricity generation”, version 18)

Illustration of respective situations under which each of the methodology (“AMS-I.D.: Grid connected renewable electricity generation”, “AMS-I.F.: Renewable electricity generation for captive use and mini-grid” and “AMS-I.A.: Electricity generation by the user”) applies is included in Table 2 below.

Table 2. Applicability of AMS-I.D, AMS-I.F and AMS-I.A based on project types

	Project type	AMS-I.A	AMS-I.D	AMS-I.F
1	Project supplies electricity to a national/regional grid		√	
2	Project displaces grid electricity consumption (e.g. grid import) and/or captive fossil fuel electricity generation at the user end (excess electricity may be supplied to a grid)			√
3	Project supplies electricity to an identified consumer facility via national/regional grid (through a contractual arrangement such as wheeling)		√	
4	Project supplies electricity to a mini grid ⁵ system where in the baseline all generators use exclusively fuel oil and/or diesel fuel			√
5	Project supplies electricity to household users (included in the project boundary) located in off grid areas	√		

Applied conditions 1 and 3

A.5. Crediting period of project activity >>

Duration of crediting period: -01/01/2020 to 31/12/2024 (both dates inclusive)

Length of the crediting period corresponding to this monitoring period: 05years.

A.6. Contact information of responsible persons/entities >>

Particular	Details
Name	Vedant Raval
Designation	Executive
Company	Yojan Solutions Pvt. Ltd.
Address	405, Kanha Capital Behind B.N. Chambers R C Dutt Road, Alkapuri Vadodara 390007 Gujarat, India
Email	info@yojan.in/projects@yojan.in

SECTION B. Implementation of project activity

B.1. Description of implemented registered project activity >>

a) Provide information on the implementation status of the project activity during this monitoring period in accordance with UCR PCN>>

The applied technology is considered to be one of the most environment friendly technologies available as the operation of the Solar photovoltaic does not emit any GHGs or any other harmful gases unlike the operation of conventional power plants.

Photovoltaic module consists of several photovoltaic cells connected by circuits and sealed in an environmentally protective laminate, which forms the fundamental building blocks of the complete PV generating unit. Several PV panels mounted on a frame are termed as PV Array.

The project activity has used the reliable and proven technology to ensure that an environmentally safe and sound technology has been implemented. A sites are based on net metering arrangement with DISCOMs. The technical details of the plants included under this project activity provided below:

Key Module Specifications

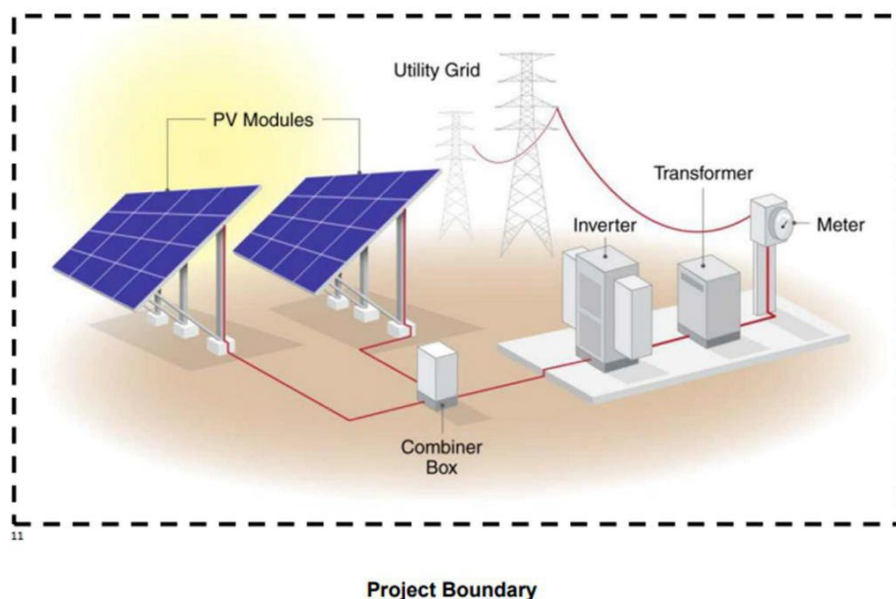
Specification	Jamnagar (Mono PERC)	Nashik (NSA330)
Rated Power (Pmax)	530–550 Wp	330 Wp
Module Efficiency	20.2%–21.3%	17.00%
Voltage at Max Power (Vmp)	~41.8 V	36.8 V
Current at Max Power (Imp)	~13.0 A	8.97 A
Open Circuit Voltage (Voc)	~50.0 V	45.3 V
Short Circuit Current (Isc)	~13.8 A	9.52 A
Operating Temp Range	-40 to +85 °C	-40 to +85 °C
System Voltage	1500 V	1000–1500 V

b) For the description of the installed technology(ies), technical process and equipment, include diagrams, where appropriate>>

The **14.335 MW Bundled Solar Power Project** utilizes **ground-mounted Solar PV systems** equipped with advanced **polycrystalline, multi-crystalline, and Mono-PERC modules** for efficient energy generation. The systems are connected to the grid and support two distribution mechanisms:

1. **Wheeling Agreements:** Power delivered to industrial/commercial users for captive use via the grid.
2. **PPAs/Open Access:** Power sold to third-party consumers via long-term contracts or open access.

The installations employ **inverters, transformers, and switchgear** for energy conversion and distribution, ensuring optimal performance.



Key Technical Components:

- **Solar PV Modules:** Polycrystalline, multi-crystalline, Mono-PERC.
- **Inverters:** Convert DC to AC for grid integration.
- **Transformers & Switchgear:** Manage voltage and distribution.

The Jamnagar site utilizes Mono-PERC modules with rated power ranging from 530–550 Wp, achieving module efficiencies of 20.2%–21.3%. In contrast, the Nashik site employs NSA330 modules with a rated power of 330 Wp and a module efficiency of 17.00%. The operational voltage and current characteristics for both sites are outlined in the table provided earlier.

B.2 Do no harm or Impact test of the project activity>>

This **Greenfield** solar power initiative introduces clean electricity generation in regions currently dependent on fossil fuel-dominated grid power. Despite India's growing renewable energy capacity, the national grid maintains a high emission factor, establishing a relevant baseline for assessing project impact.

In accordance with Ministry of Environment, Forest and Climate Change (MoEFCC) guidelines, the project delivers comprehensive benefits across four key sustainability dimensions:

Social Development Impact

The project has played a vital role in generating employment for the local workforce during its construction phase. Following implementation, it has continued to offer stable and long-term job opportunities to the local community, with this positive impact expected to persist throughout the project's operational lifespan. These sustained employment opportunities are anticipated to contribute significantly to poverty reduction and socio-economic development in the surrounding region.

Economic Value Creation

The project initiative is driving meaningful economic growth by creating vital employment opportunities within local communities. The project generates both short-term construction jobs and long-term positions

across a broad range of skill levels, supporting inclusive workforce development.

Powered by strategic carbon revenue funding, this investment in sustainable energy not only ensures enduring economic benefits but also enhances the stability and capacity of the regional power grid. As energy reliability improves, surrounding areas become more attractive to complementary industries, stimulating the emergence of a dynamic economic hub. Local residents gain from rising property values, expanded career prospects, and improved quality of life.

This integrated approach to infrastructure and community development promotes a resilient economic ecosystem that aligns environmental stewardship with measurable social impact.

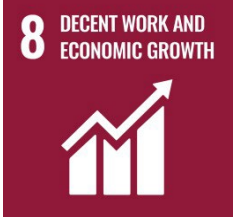
Technological Advancement

Research and development investments by technology providers have increased proportionally with market demand, resulting in improved efficiency metrics for next-generation solar equipment. The technology improvement cycle, driven by demonstrated project success, creates sustainable conditions for continued innovation in the renewable energy sector. Technologies including polycrystalline, multi-crystalline, and Mono-PERC modules demonstrate efficiency in optimization. This project demonstrates the operation for technological advancement by proving the viability of commercial-scale solar power generation.

Environmental Performance

The project delivers quantifiable environmental benefits through displacement of fossil fuel-generated electricity. Key environmental advantages include zero operational greenhouse gas emissions, elimination of particulate matter and other air pollutants, and minimal water consumption compared to thermal generation. This approach preserves natural resources while aligning with India's Nationally Determined Contributions (NDCs) under the Paris Agreement.

This project not only advances clean energy transition objectives but also delivers substantial co-benefits that align with India's sustainable development priorities and international climate commitments.

SDG	Relevant SDG Target	Description – How the Project Contributes
 SDG 7 Affordable and Clean Energy	Target 7.2: By 2030, increase substantially the share of renewable energy in the global energy mix.	The project deploys solar photovoltaic technology to generate renewable electricity, thereby increasing the share of clean energy in the regional power mix and enhancing energy security.
 SDG 8 Decent Work and Economic Growth	Target 8.4: Improve progressively, through 2030, global resource efficiency in consumption and production.	The project supports sustainable industrial growth by creating skilled and semi-skilled employment during installation, operation, and maintenance of solar facilities while promoting clean technology.
 SDG 13 Climate Action	Target 13.2: Integrate climate change measures into national policies, strategies and planning.	• This 14.335 MW bundled solar meet the SDG 13 goal by saving fossil fuel and produce clean energy. • The project is expected to reduce 58,532 tCO₂ emissions per year by displacing fossil fuel-based grid electricity with solar power, thereby contributing to climate change mitigation and low-carbon development.

B.3. Baseline Emissions>>

The baseline scenario identified at the PCN stage of the project activity is: “Grid”

In the absence of the project activity, the equivalent amount of electricity would have been imported from the regional grid (which is connected to the unified Indian Grid system), which is carbon intensive due to predominantly sourced from fossil fuel-based power plants. Hence, baseline scenario of the project activity is the grid-based electricity system, which is also the pre-project scenario.

The "grid emission factor" refers to the CO₂ emission factor (tCO₂/MWh) associated with each unit of electricity supplied by an electricity system. The UCR recommends an emission factor of 0.9 tCO₂/MWh as a fairly conservative estimate for Indian projects that have not been previously verified under any GHG program for the vintage years **2013–2023**.

For the **2024** vintage year, a grid emission factor of 0.757 tCO₂/MWh has been considered. The combined margin emission factor calculated from the CEA database in India results in higher emissions than the default value.

Hence, the same emission factor has been used to calculate the emission reduction under a conservative approach

B.4. Debundling>>

This project activity is not a de-bundled component of a larger project activity. Similarly, each of the bundle members is also not a de-bundled component of any larger project activity

SECTION C. Application of methodologies and standardized baselines

C.1. References to methodologies and standardized baselines >>

The project activity is approved under the positive list of approved activities under the UCR CoU Standard

Sectoral Scope	01, Energy industries (Renewable/Non-renewable sources)
Type	I - Renewable Energy Projects
Scale	Small Scale
Category	AMS-I.D. (Title: "Grid connected renewable electricity generation", version 18)

Illustration of respective situations under which each of the methodology ("AMS-I.D.: Grid connected renewable electricity generation", "AMS-I.F.: Renewable electricity generation for captive use and mini-grid" and "AMS-I.A.: Electricity generation by the user") applies is included in Table 2 below.

Table 2. Applicability of AMS-I.D, AMS-I.F and AMS-I.A based on project types

	Project type	AMS-I.A	AMS-I.D	AMS-I.F
1	Project supplies electricity to a national/regional grid		√	
2	Project displaces grid electricity consumption (e.g. grid import) and/or captive fossil fuel electricity generation at the user end (excess electricity may be supplied to a grid)			√
3	Project supplies electricity to an identified consumer facility via national/regional grid (through a contractual arrangement such as wheeling)		√	
4	Project supplies electricity to a mini grid ⁵ system where in the baseline all generators use exclusively fuel oil and/or diesel fuel			√
5	Project supplies electricity to household users (included in the project boundary) located in off grid areas	√		

Applied conditions 1 and 3

C.2. Applicability of methodologies and standardized baselines >>

This project activity involves generation of grid connected electricity from the construction and operation of a new solar power-based power project. The project activity has installed capacity of **14.335 MW** which will qualify for a small-scale project activity under Type-I of the Small-Scale methodology.

The project status is corresponding to the methodology AMS-I.D., version 18 and applicability of methodology is discussed below:

Applicability Criterion	Project Case
1. This methodology comprises renewable energy generation units, such as photovoltaic, hydro, tidal/wave, wind, geothermal and renewable biomass: (a) Supplying electricity to a national or a regional grid; or (b) Supplying electricity to an identified consumer facility via national/regional grid through a contractual arrangement such as wheeling.	The project activity is a Renewable Energy Project i.e., wind power project which sell its energy to the grid and falls under applicability criteria option 1 point (a). Thus, this project activity fulfil this criterion.
2. This methodology is applicable to project activities that: (a) Install a Greenfield plant. (b) Involve a capacity addition in (an) existing plant(s) (c) Involve a retrofit of (an) existing plant(s). Involve a rehabilitation of (an) existing plant(s)/unit(s); or Involve a replacement of (an) existing plant(s).	The option (a) of applicability criteria 2 is applicable as project is a Greenfield plant /unit. Hence the project activity meets the given applicability criterion
3. Hydro power plants with reservoirs that satisfy at least one of the following conditions are eligible to apply this methodology: (a) The project activity is implemented in existing reservoir, with no change in the volume of the reservoir; or (b) The project activity is implemented in existing reservoir, where the volume of the reservoir(s) is increased and the power density as per definitions given in the project emissions section, is greater than 4 W/m². (c) The project activity results in new reservoirs and the power density of the power plant, as per definitions given in the project emissions section, is greater than 4 W/m²	The project activity involves installation of Solar PV (SPV); hence, this criterion is not applicable.
4. If the new unit has both renewable and non-renewable components (e.g. a wind/diesel unit), the eligibility limit of 15 MW for a small-scale CDM project activity applies only to the renewable component. If the new unit co-fires fossil fuel, the capacity of the entire unit shall not exceed the limit of 15 MW.	The proposed project is 14.335 MW solar power project, i.e., only component is renewable power project below 15 MW, thus the criterion is not applicable to this project activity.
5. Combined heat and power (co-generation) systems are not eligible under this category	This is not relevant to the project activity as the project involves only solar power generating units.
6. In the case of project activities that involve the capacity addition of renewable energy generation units at an existing renewable power generation	There is no other existing renewable energy power generation facility at the project site. Therefore, this criterion is not applicable.

facility, the added capacity of the units added by the project should be lower than 15 MW and should be physically distinct ¹ from the existing units.	
7. In the case of retrofit, rehabilitation or replacement, to qualify as a small-scale project, the total output of the retrofitted, rehabilitated or replacement power plant/unit shall not exceed the limit of 15 MW.	The project activity is a new installation, it does not involve any retrofit measures nor any replacement and hence is not applicable for the project activity.
8. In the case of landfill gas, waste gas, wastewater treatment and agro-industries projects, recovered methane emissions are eligible under a relevant Type III category. If the recovered methane is used for electricity generation for supply to a grid, then the baseline for the electricity component shall be in accordance with procedure prescribed under this methodology. If the recovered methane is used for heat generation or cogeneration other applicable Type-I methodologies such as “AMS-I.C.: Thermal energy production with or without electricity” shall be explored.	This is not relevant to the project activity as the project involves only solar power generating units.
9. In case biomass is sourced from dedicated plantations, the applicability criteria in the tool “Project emissions from cultivation of biomass” shall apply.	No biomass is involved, the project is only a solar power project and thus the criterion is not applicable to this project activity.

C.3 Applicability of double counting emission reductions >>

To prevent any possibility of double counting emission reductions, the following controls are in place for the project:

- The project is distinctly identified using exact location coordinates, ensuring spatial uniqueness.
- It has a standalone commissioning certificate and a clearly assigned grid or connection point.
- Energy metering systems are exclusively installed for the project, ensuring that all recorded data pertains solely to the activities of the project proponent.

C.4. Project boundary, sources and greenhouse gases (GHGs)>>

As per applicable methodology AMS-I.D. Version 18, “The spatial extent of the project boundary includes the project power plant, and all power plants connected physically to the electricity system that the project power plant is connected to.”

Thus, the project boundary includes the Solar PV system and the Indian grid system.

Source		GHG	Included?	Justification/Explanation
Baseline	Grid connected electricity generation	CO ₂	Yes	Main emission source
		CH ₄	No	Minor emission source
		N ₂ O	No	Minor emission source
Project	Greenfield Wind Power Project Activity	CO ₂	No	No CO ₂ emissions are emitted from the project
		CH ₄	No	Project activity does not emit CH ₄
		N ₂ O	No	Project activity does not emit N ₂ O

C.5. Establishment and description of baseline scenario (UCR Protocol) >>

As per the approved consolidated methodology **AMS-I.D. Version 18**, if the project activity is the installation of a new grid-connected renewable power plant/unit, the baseline scenario is defined as follows:

“The baseline scenario is that the 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 into the grid.”

The current project activity involves the **installation of a new solar photovoltaic (PV) power plant** with a total capacity of **14.335 MW**, comprising **ground-mounted systems** installed across **Jamnagar, Gujarat (11.815 MW)** and **Nashik, Maharashtra (2.52 MW)**. The electricity generated from the **Jamnagar installation** is supplied to the Indian grid through **Power Purchase Agreements (PPAs)** with licensed distribution utilities or bulk consumers.

The **Nashik installation**, on the other hand, operates under the **Open Access mechanism**, where power is wheeled through the grid to be consumed at an off-site facility under a third-party agreement or captive use. Both mechanisms contribute to grid decarbonization by displacing fossil fuel-based electricity that would have otherwise been generated under the baseline scenario.

In the absence of this project activity, the equivalent amount of electricity would have been generated by the **operation of fossil fuel-based grid-connected power plants** and by the **addition of new fossil fuel-based generation sources** into the Indian electricity grid. India’s power generation is still predominantly based on coal and other fossil fuels. Therefore, the baseline scenario for this solar project is the generation of an equivalent amount of electricity from conventional sources, primarily fossil fuel-based thermal power plants.

The **"grid emission factor"** refers to the amount of carbon dioxide (CO₂) emissions (in tonnes of CO₂ per megawatt-hour) associated with each unit of electricity supplied by the electricity system. For Indian grid-connected renewable energy projects that have not been previously verified under any greenhouse gas (GHG)

program, the **Universal Carbon Registry (UCR)** recommends a **default conservative emission factor of 0.9 tCO₂/MWh** for the **vintage years 2013–2023**.

However, for the **2024 vintage year**, the project uses a more recent and conservative figure of **0.757 tCO₂/MWh**, which is aligned with the **combined margin emission factor calculated by the Central Electricity Authority (CEA)** in India. This emission factor reflects a weighted average of both the operating margin and build margin and considers the growing contribution of renewable energy but still reflects the dominance of fossil fuel-based generation. As this value results in higher emissions than the default factor, it has been used for emission reduction calculations to ensure a conservative and credible approach.

In conclusion, the baseline emissions for this solar PV project are calculated as the product of net electricity generated and exported to the grid (in MWh) and the emission factor of **0.757 tCO₂/MWh**, in line with the methodology AMS-I.D. and UCR guidance.

Net GHG Emission Reductions and Removals:

Thus,

$$ER_y = BE_y - PE_y - LE_y$$

Where:

ER_y = Emission reductions in year y (tCO₂/y)

BE_y = Baseline Emissions in year y (t CO₂/y)

PE_y = Project emissions in year y (tCO₂/y)

LE_y = Leakage emissions in year y (tCO₂/y)

Baseline Emissions

Baseline emissions include only CO₂ emissions from electricity generation in power plants that are displaced due to the project activity. The methodology assumes that all project electricity generation above baseline levels would have been generated by existing grid- connected power plants and the addition of new grid connected power plants. The baseline emissions are to be calculated as follows:

$$BE_y = EG_{BL,y} \times EF_{CO_2, GRID, y}$$

Where,

BE_y: Baseline emissions in year y (tCO₂/y)

EG_{BL,y}: Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the CDM project activity in year y (MWh)

EF, CO₂, GRID, y: UCR recommended emission factor of 0.9 tCO₂/MWh for the vintage years 2013–2023 has been considered.

(Reference: General Project Eligibility Criteria and Guidance, UCR Standard, page 4)

For the 2024 vintage year, a grid emission factor of 0.757 tCO₂/MWh has been considered

Project Emissions

As per Paragraph 39 of AMS-I.D. version-18, only emission associated with the fossil fuel combustion, emission from operation of geo-thermal power plants due to release of non- condensable gases, emission from water reservoir of Hydro should be accounted for the project emission.

Since the project activity is a **solar power project**, project emission for renewable energy plant is nil.

Thus, P_E=0.

Leakage

As per paragraph 22 of AMS-I.D. version-18, 'If the energy generating equipment is transferred from another activity, leakage is to be considered.' In the project activity, there is no transfer of energy generating equipment and therefore the leakage from the project activity is considered as zero.

Hence, L_E=0

The actual emission reduction achieved during the first CoU period shall be submitted as a part of the first monitoring and verification. However, for the purpose of an ex-ante estimation, the following calculation has been submitted:

Hence Net GHG emission reduction, = 58532 -0-0 = tCO₂/year (i.e., 58532 CoUs/year).

C.6. Prior History>>

Following are the key details under the prior history of the project: (a) the project was not applied under any other GHG mechanism. Hence project will not cause Double accounting of carbon credits (i.e., COUs).

C.7. Monitoring period number and duration>>

Total Monitored Period: 01/01/2020 to 31/12/2024 (05 years, 00 months)

C.8. Changes to start date of crediting period >>

There is no change in the start date of crediting period.

C.9. Permanent changes from PCN monitoring plan, applied methodology or applied standardized baseline >>

Not applicable.

C.10. Monitoring plan>>

Data/Parameter	UCR recommended emission factor
Data unit	tCO ₂ /MWh
Description	A "grid emission factor" refers to a CO₂ emission factor (tCO₂ /MWh) which will be associated with each unit of electricity provided by an electricity system. The UCR recommends an emission factor of 0.9 tCO₂ /MWh for the 2013-2023 years as a fairly conservative estimate for Indian projects not previously verified under any GHG program. Hence, the same emission factor has been considered to calculate the emission reduction under conservative approach.
Source of data	https://a23e347601d72166dcd6-16da518ed3035d35cf0439f1cdf449c9.ssl.cf2.rackcdn.com//Documents/UCR StandardAug2024updatedVer7_020824191534797526.pdf
Value(s) applied	0.9
Measurement methods and procedures	-
Monitoring frequency	Ex-ante fixed parameter

Data/Parameter	UCR recommended emission factor
Data unit	tCO ₂ /MWh
Description	A "grid emission factor" refers to a CO₂ emission factor (tCO₂ /MWh) which will be associated with each unit of electricity provided by an electricity system. The UCR recommends a grid emission factor of 0.757 tCO₂/MWh for the 2024 vintage year as a fairly conservative estimate for Indian projects not previously verified under any GHG program.
Source of data	https://cea.nic.in/wp-content/uploads/2021/03/User_Guide_Version_20.0.pdf
Value(s) applied	0.757
Measurement methods and procedures	-
Monitoring frequency	Ex-ante fixed parameter
Purpose of data	For the calculation of the Emission Factor of the grid

Data / Parameter:	EGPJ, facility, y
Data unit:	MWh
Description:	Total electricity produced by the project activity
Source of data:	Electricity Generation data through monitoring system

Measurement procedures (if any):	Data Type: Measured Monitoring equipment: Energy Meters and inverter data are used for monitoring Recording Frequency: Continuous monitoring and Monthly recording from Energy Meters, Summarized Annually Archiving Policy: Paper & Electronic Calibration frequency: 5 years (as per CEA provision) For example, the difference between the measured quantities of the grid export and the import will be considered as net export: $EGPJ,y = EG_{Export} - EG_{Import}$
Monitoring frequency:	Monthly
Value applied:	58,532 tCO₂e (Ex-ante estimate)
QA/QC procedures:	Calibration of the Main meters will be carried out once in five (5) years as per National Standards (as per the provision of CEA, India) and faulty meters will be duly replaced immediately as per the provision of power purchase agreement
Purpose of data:	The Data/Parameter is required to calculate the baseline emission.
Any comment:	Data will be archived electronically for a period of 36 months beyond the end of crediting period.

Annexure 1: Commissioning Certificate

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

BY RPAD Date: May 20, 2022

GEDA/SSDSP-1989/2022/05/OW/643

CERTIFICATE OF COMMISSIONING

This is to certify that **M/s. Sunrise Energy**, "Jayveer" 4, Oswal Colony, Sumair Club road, Jamnagar - 361005 has installed and commissioned **525 kW (AC) / 599.4 kW (DC)** capacity Solar Power Plant at Survey No. 752 and 753, Village-Moti Matli, Ta - Kalawad, Dist.- Jamnagar on 10/03/2022 along with the associated equipment as per following details.

GEDA Registration No.	GEDASSDSP03022021-1989
Capacity of Solar Power Project	525 kW (AC) / 599.4 kW (DC)
SPV Modules- Type / Make	Monoperc/ Waaree
Nos. of Photovoltaic Modules / Rating	1110/ 540 Wp
Inverters- Type / Make	String/ ABB
Nos. of Inverter / Rating	3/ 175 kW
ABT Meter- Make / Serial no.	Secure/ PGSDP30103B
Name of Substation	66 kV GETCO Substation, Dhudasiya

The commissioning of the Small Scale Distributed Solar PV Project (SSDSP) has been carried out; the ABT meter has been installed.

For Gujarat Energy Development Agency
(H. M. Mehta)
Assistant Project Executive

To,
M/s. Sunrise Energy,
"Jayveer" 4, Oswal Colony,
Sumair Club road,
Jamnagar - 361005

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. Kalprux building, Near T.B. Hospital, Gotri Road,
Vadodra - 390 021

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Inward
Dt. 24 MAY 2022
P.G.V.C.L.
Corporate Office, Rajkot.

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

BY RPAD Date: July 16, 2022

GEDA/SOL-211/2022/07/OW/2507

CERTIFICATE OF COMMISSIONING

This is to certify that **M/s. Jay International**, Plot no.464, GIDC Industrial Estate, At-Shankar Tekri, Ta-Udyognagar, Dist.-Jamnagar has installed and commissioned **350 kW(AC)/ 399.6 kW(DC)** capacity Solar Power Plant at Survey no.274, Plot no.1, Village- Dhudasiya, Ta- Jamnagar, Dist.- Jamnagar on 06-06-2022 along with the associated equipment as per following details.

GEDA Registration No.	GMSPVINDGEDA22112021-211
Capacity of Solar Power Project	350 kW(AC) / 399.6 kW(DC)
SPV Modules- Type / Make	Mono-PERC / Waaree
Nos. of Photovoltaic Modules / Rating	740 / 540 Wp
Inverters- Type / Make	String / ABB
Nos. of Inverter / Rating	02 / 175 kW
ABT Meter- Make / Serial no.	Secure/ PG 5287 B
Name of Substation	66 kV GETCO S/S, Dhudsiya

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

For Gujarat Energy Development Agency
(Hitesh Mehta)
Asst. Project Executive

To,
M/s. Jay International
Plot no.464, GIDC Industrial Estate,
At-Shankar Tekri, Ta-Udyognagar,
Dist.- Jamnagar- 361004

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. Kalprux building, Near T.B. Hospital, Gotri Road,
Vadodra - 390 021

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GUJARAT ENERGY DEVELOPMENT AGENCY
A Government of Gujarat Organisation

BY RPAD Date: May 20, 2022

GEDA/SSDSP-1985/2022/05/OW/646

CERTIFICATE OF COMMISSIONING

This is to certify that **M/s. RLZ Energy**, 5, Oswal Colony, Sumair Club road, Jamnagar - 361005 has installed and commissioned **525 kW (AC) / 599.4 kW (DC)** capacity Solar Power Plant at Survey No. 752 and 753, Village-Moti Matli, Ta - Kalawad, Dist.- Jamnagar on 10/03/2022 along with the associated equipment as per following details.

GEDA Registration No.	GEDASSDSP03022021-1985
Capacity of Solar Power Project	525 kW (AC) / 599.4 kW (DC)
SPV Modules- Type / Make	Monoperc/ Waaree
Nos. of Photovoltaic Modules / Rating	1110/ 540 Wp
Inverters- Type / Make	String/ ABB
Nos. of Inverter / Rating	3/ 175 kW
ABT Meter- Make / Serial no.	Secure/ PGSDP30102B
Name of Substation	66 kV GETCO Substation, Dhudasiya

The commissioning of the Small Scale Distributed Solar PV Project (SSDSP) has been carried out; the ABT meter has been installed.

For Gujarat Energy Development Agency
(H. M. Mehta)
Assistant Project Executive

To,
M/s. RLZ Energy,
5, Oswal Colony, Sumair Club road,
Jamnagar - 361005

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. Kalprux building, Near T.B. Hospital, Gotri Road,
Vadodra - 390 021

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GUJARAT ENERGY DEVELOPMENT AGENCY
A Government of Gujarat Organisation

BY RPAD Date: May 20, 2022

GEDA/SSDSP-1986/2022/05/OW/644

CERTIFICATE OF COMMISSIONING

This is to certify that **M/s. SRK Power**, 5, Oswal Colony, Sumair Club road, Jamnagar - 361005 has installed and commissioned **525 kW (AC) / 599.4 kW (DC)** capacity Solar Power Plant at Survey No. 752 and 753, Village-Moti Matli, Ta - Kalawad, Dist.- Jamnagar on 10/03/2022 along with the associated equipment as per following details.

GEDA Registration No.	GEDASSDSP03022021-1986
Capacity of Solar Power Project	525 kW (AC) / 599.4 kW (DC)
SPV Modules- Type / Make	Monoperc/ Waaree
Nos. of Photovoltaic Modules / Rating	1110/ 540 Wp
Inverters- Type / Make	String/ ABB
Nos. of Inverter / Rating	3/ 175 kW
ABT Meter- Make / Serial no.	Secure/ PGSDP30101B
Name of Substation	66 kV GETCO Substation, Dhudasiya

The commissioning of the Small Scale Distributed Solar PV Project (SSDSP) has been carried out; the ABT meter has been installed.

For Gujarat Energy Development Agency
(H. M. Mehta)
Assistant Project Executive

To,
M/s. SRK Power,
5, Oswal Colony,
Sumair Club road,
Jamnagar - 361005

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,
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Dt. 24 MAY 2022
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Corporate Office, Rajkot.



BY RPAD

Ref: GEDA/SOL-25982/2020/02/OW/ ૮૭૨

Date: February 4, 2020

CERTIFICATE OF COMMISSIONING

This is to certify that **M/s. JTK Industries**, Plot no. B/6, GIDC, Shankar Tekri, Udyog Nagar District- Jamnagar has installed and commissioned **902.8 kW (DC)** capacity Solar Power Plant at Village- Dhudasiya, Ta- Jamnagar, Dist- Jamnagar on 31/12/2019 along with the associated equipment as per following details.

GEDA Registration No.	GMSPVIND29072019-25982
Capacity of Solar Power Project	902.8 kW (DC)
SPV Modules- Type / Make	Monocrystalline / Waaree
Nos. of Photovoltaic Modules / Rating	2440 / 370 Wp.
Inverters- Type / Make	String / ABB
Nos. of Inverter / Rating	7 / 100 kW
ABT Meter- Make / Serial no.	Secure / PG50658

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. JTK Industries,
Plot no. B/6, GIDC,
Shankar Tekri, Udyog Nagar
District- Jamnagar- 361 004

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

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BY RPAD

Ref: GEDA/SOL-26022/2020/02/OW/ ૮૭૮

Date: February 4, 2020

CERTIFICATE OF COMMISSIONING

This is to certify that **M/s. DS Re Energy**, 503, Lake View, Appartment, Digvijay Plot, District- Jamnagar has installed and commissioned **972.8 kW (DC)** capacity Solar Power Plant at Village- Dhudasiya, Ta- Jamnagar, Dist- Jamnagar on 27/12/2019 along with the associated equipment as per following details.

GEDA Registration No.	GMSPVIND06082019-26022
Capacity of Solar Power Project	972.8 kW (DC)
SPV Modules- Type / Make	Monocrystalline / Waaree
Nos. of Photovoltaic Modules / Rating	2560 / 380 Wp.
Inverters- Type / Make	String / ABB
Nos. of Inverter / Rating	8 / 100 kW
ABT Meter- Make / Serial no.	Secure / PG50968

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. DS Re Energy,
503, Lake View, Appartment,
Digvijay Plot,
District- Jamnagar- 361005

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

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BY RPAD

GEDA/SSDSP-1988/2022/05/OW/ ૮૭૧

Date: May 20, 2022

CERTIFICATE OF COMMISSIONING

This is to certify that **M/s. K D Power**, Shrey building 1, Oswal Colony, Sumair Club road, Jamnagar - 361005 has installed and commissioned **525 kW (AC) / 648 kW (DC)** capacity Solar Power Plant at Survey No. 752 and 753, Village-Moti Matli, Ta- Kalawad, Dist- Jamnagar on 11/03/2022 along with the associated equipment as per following details.

GEDA Registration No.	GEDASSDSP03022021-1988
Capacity of Solar Power Project	525 kW (AC) / 648 kW (DC)
SPV Modules- Type / Make	Monoperc / Waaree
Nos. of Photovoltaic Modules / Rating	1200 / 540 Wp
Inverters- Type / Make	String / ABB
Nos. of Inverter / Rating	3 / 175 kW
ABT Meter- Make / Serial no.	Secure / PGSDP30108B
Name of Substation	66 kV GETCO Substation, Dhudasiya

The commissioning of the Small Scale Distributed Solar PV Project (SSDSP) has been carried out; the ABT meter has been installed.

For Gujarat Energy Development Agency

(H. M. Mehta)
Assistant Project Executive

To,
M/s. K D Power,
Shrey building 1, Oswal Colony,
Sumair Club road,
Jamnagar - 361005

Cc to: (1) Chief Engineer (R & C),
Paschim Gujarat Viji 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. Kalprux building, Near T.B. Hospital, Gotri Road,
Vadodara - 390 021



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BY RPAD

GEDA/SSDSP-1987/2022/05/OW/ ૮૭૨

Date: May 20, 2022

CERTIFICATE OF COMMISSIONING

This is to certify that **M/s. TNM Power**, "Shrey" 1, Oswal Colony, Sumair Club road, Jamnagar - 361005 has installed and commissioned **525 kW (AC) / 599.4 kW (DC)** capacity Solar Power Plant at Survey No. 752 and 753, Village-Moti Matli, Ta- Kalawad, Dist- Jamnagar on 11/03/2022 along with the associated equipment as per following details.

GEDA Registration No.	GEDASSDSP03022021-1987
Capacity of Solar Power Project	525 kW (AC) / 599.4 kW (DC)
SPV Modules- Type / Make	Monoperc / Waaree
Nos. of Photovoltaic Modules / Rating	1110 / 540 Wp
Inverters- Type / Make	String / ABB
Nos. of Inverter / Rating	3 / 175 kW
ABT Meter- Make / Serial no.	Secure / PGSDP301008
Name of Substation	66 kV GETCO Substation, Dhudasiya

The commissioning of the Small Scale Distributed Solar PV Project (SSDSP) has been carried out; the ABT meter has been installed.

For Gujarat Energy Development Agency

(H. M. Mehta)
Assistant Project Executive

To,
M/s. TNM Power,
"Shrey" 1, Oswal Colony,
Sumair Club road,
Jamnagar - 361005

Cc to: (1) Chief Engineer (R & C),
Paschim Gujarat Viji 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. Kalprux building, Near T.B. Hospital, Gotri Road,
Vadodara - 390 021



સાહેબ માન, સહી નં. ૧૧ નામે ૧૨ ઉદ્યોગનાથ
બ્લોક-૧૬, ગાંધીનગર - ૩૮૨ ૦૧૦.
4th Floor, Block No. 11-12, Udhoghavan,
Sector-11, Gandhinagar-382017, India.

Ph: 079-232 57251-53
Fax: +91 79 232-47097, 57255
e-mail: director@geda.org.in
www.geda.gujarat.gov.in



GEDA/SSDSP-41/2021/12/OW/14041 BY RPAD Date: December 13, 2021

CERTIFICATE OF COMMISSIONING

This is to certify that **M/s. Vitrag Sun Power**, C/o. Vitrag Jewellers, Shop No. 1-3, J B House, Kothariya Naka, Palace Road, Rajkot-360001 has installed and commissioned **700 kW (AC)/ 1000.14 kW (DC)** capacity Solar Power Plant at Survey No. 65 & 66, Village-Khiri, Ta.- Jodiya, Dist.- Jamnagar on 25/11/2021 along with the associated equipment as per following details:

GEDA Registration No.	SSDSP05012021-0041
Capacity of Solar Power Project	700 kW (AC)/ 1000.14 kW (DC)
SPV Modules- Type / Make	Monoperc/ Waaree
Nos. of Photovoltaic Modules / Rating	2532/ 395 Wp
Inverters- Type / Make	String/ ABB
Nos. of Inverter / Rating	4/ 175 kW
ABT Meter- Make / Serial no.	Secure/ PGSDP30007B
Name of Substation	66 kV GETCO Substation, Khiri

The commissioning of the Small Scale Distributed Solar PV Project (SSDSP) has been carried out; the ABT meter has been installed.

For Gujarat Energy Development Agency
(H. M. Mehta)
Assistant Project Executive

To,
M/s. Vitrag Sun Power,
C/o. Vitrag Jewellers, Shop No. 1-3, J B House,
Kothariya Naka, Palace Road,
Rajkot - 360001

Cc to: (1) Chief Engineer (R & C),
Paschim Gujarat Viji 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. Kalpvruk building, Near T.B. Hospital, Gotri Road,
Vadodara - 390 021

સોશિયલ મીડિયા નં. ૯૯ નાં ૯૯ ટીકાઓ
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e-mail : director@geda.org.in
www.geda.gujarat.gov.in



GEDA/SSDSP-242/2022/05/OW/636 BY RPAD Date: May 20, 2022

CERTIFICATE OF COMMISSIONING

This is to certify that **M/s. Urza Solar**, Oswal Colony, Street No. 5, Sumair Club road, Jamnagar - 361005 has installed and commissioned **525 kW (AC)/ 599.4 kW (DC)** capacity Solar Power Plant at Survey No. 752 and 753, Village-Moti Katti, Ta.- Kalawad, Dist.- Jamnagar on 10/03/2022 along with the associated equipment as per following details:

GEDA Registration No.	GEDASSDSP29012021-242
Capacity of Solar Power Project	525 kW (AC)/ 599.4 kW (DC)
SPV Modules- Type / Make	Monoperc/ Waaree
Nos. of Photovoltaic Modules / Rating	1110/ 540 Wp
Inverters- Type / Make	String/ ABB
Nos. of Inverter / Rating	3/ 175 kW
ABT Meter- Make / Serial no.	Secure/ PGSDP30099B
Name of Substation	66 kV GETCO Substation, Dhudasiya

The commissioning of the Small Scale Distributed Solar PV Project (SSDSP) has been carried out; the ABT meter has been installed.

For Gujarat Energy Development Agency
(H. M. Mehta)
Assistant Project Executive

To,
M/s. Urza Solar,
Oswal Colony, Street No. 5,
Sumair Club road,
Jamnagar - 361005

Cc to: (1) Chief Engineer (R & C),
Paschim Gujarat Viji 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. Kalpvruk building, Near T.B. Hospital, Gotri Road,
Vadodara - 390 021

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e-mail : director@geda.org.in
www.geda.gujarat.gov.in



GEDA/SSDSP-42/2021/12/OW/14040 BY RPAD Date: December 13, 2021

CERTIFICATE OF COMMISSIONING

This is to certify that **M/s. Vitrag Solar Energy**, Vitrag 3, Saurashtra Kala Kendra Society, Nirmala Road, Rajkot-360007 has installed and commissioned **700 kW (AC)/ 1000.36 kW (DC)** capacity Solar Power Plant at Survey No. 62, Village-Khiri, Ta.- Jodiya, Dist.- Jamnagar on 25/11/2021 along with the associated equipment as per following details:

GEDA Registration No.	SSDSP05012021-0042
Capacity of Solar Power Project	700 kW (AC)/ 1000.36 kW (DC)
SPV Modules- Type / Make	Monoperc/ Waaree
Nos. of Photovoltaic Modules / Rating	2248/ 445 Wp
Inverters- Type / Make	String/ ABB
Nos. of Inverter / Rating	4/ 175 kW
ABT Meter- Make / Serial no.	Secure/ PGSDP30008B
Name of Substation	66 kV GETCO Substation, Khiri

The commissioning of the Small Scale Distributed Solar PV Project (SSDSP) has been carried out; the ABT meter has been installed.

For Gujarat Energy Development Agency
(H. M. Mehta)
Assistant Project Executive

To,
M/s. Vitrag Solar Energy,
Vitrag 3, Saurashtra Kala Kendra Society,
Nirmala Road,
Rajkot - 360007

Cc to: (1) Chief Engineer (R & C),
Paschim Gujarat Viji 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. Kalpvruk building, Near T.B. Hospital, Gotri Road,
Vadodara - 390 021

સોશિયલ મીડિયા નં. ૯૯ નાં ૯૯ ટીકાઓ
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e-mail : director@geda.org.in
www.geda.gujarat.gov.in



GEDA/SOL-210/2022/11/OW/4071 BY RPAD Date: November 5, 2022

CERTIFICATE OF COMMISSIONING

This is to certify that **M/s. Rupam Overseas**, Plot no.7/8, GIDC Industrial Estate, Plot no.7/8, GIDC Industrial Estate, At- Shankar Tekri, Ta- Udyognagar, Dist.-Jamnagar has installed and commissioned **525 kW(AC)/ 596.23 kW(DC)** capacity Solar Power Plant at Survey no. 274, Plot no.2, Village- Dhudasiya, Ta- Jamnagar, Dist.- Jamnagar on 23-08-2022 along with the associated equipment as per following details:

GEDA Registration No.	GMSPVINDGEDA2212021-210
Capacity of Solar Power Project	525 kW(AC)/ 596.23 kW(DC)
SPV Modules- Type / Make	Mono-PERC / Waaree
Nos. of Photovoltaic Modules / Rating	634 / 535 Wp, 476 / 540 Wp
Inverters- Type / Make	String / ABB
Nos. of Inverter / Rating	03 / 175 kW
ABT Meter- Make / Serial no.	Secure / PG 5286 B
Name of Substation	66 kV GETCO S/s, Dhudasiya

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

For Gujarat Energy Development Agency
(Hitesh Mehta)
Asst. Project Executive

To,
M/s. Rupam Overseas
Plot no.7/8, GIDC Industrial Estate,
At- Shankar Tekri, Ta- Udyognagar,
Dist.- Jamnagar- 361004

Cc to: (1) Chief Engineer (Tech.),
Paschim Gujarat Viji Company Limited (PGVCL),
Registered & Corporate Office, Nana mava Main Road,
Laxmi Nagar, Rajkot - 360006

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

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BY RPAD

Ref: GEDA/SOL-25981/2020/02/OW/ 5094

Date: February 4, 2020

CERTIFICATE OF COMMISSIONING

This is to certify that **M/s. BJV Enterprise**, B-6-2, Shankar Tekri, Udyog Nagar, Udyog Nagar District- Jamnagar has installed and commissioned **599.4 kW (DC)** capacity Solar Power Plant at Village- Dhudasiya, Ta- Jamnagar, Dist.- Jamnagar on 31/12/2019 along with the associated equipment as per following details.

GEDA Registration No.	GMSPVIND29072019-25981
Capacity of Solar Power Project	599.4 kW (DC)
SPV Modules- Type / Make	Monocrystalline / Waaree
Nos. of Photovoltaic Modules / Rating	1620 / 370 Wp.
Inverters- Type / Make	String / ABB
Nos. of Inverter / Rating	5 / 100 kW
ABT Meter- Make / Serial no.	Secure / PG50668

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. BJV Enterprise,
B-6-2, Shankar Tekri, Udyog Nagar,
Udyog Nagar
District- Jamnagar- 361 004

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

કોઈ પણ, નોંધ નં. ૧૧ નો ૧૧ બિલ્ડિંગ
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BY RPAD

GEDA/SSDSP-31/2022/01/OW/ 4639

Date: January 17, 2022

CERTIFICATE OF COMMISSIONING

This is to certify that **M/s. Sunlight Energy**, 98-A, Khushi Panchvati Society, Nr. Dream House, Jamnagar - 361008 has installed and commissioned **525 kW (AC) / 547.35 kW (DC)** capacity Solar Power Plant at Survey No. 272, 277 and 280, Village-Modpar, Ta- Jamnagar, Dist.- Jamnagar on 09/12/2021 along with the associated equipment as per following details.

GEDA Registration No.	SSDSP05012021-0031
Capacity of Solar Power Project	525 kW (AC) / 547.35 kW (DC)
SPV Modules- Type / Make	Monoperc/ Waaree
Nos. of Photovoltaic Modules / Rating	1230/ 445 Wp
Inverters- Type / Make	String/ ABB
Nos. of Inverter / Rating	3/ 175 kW
ABT Meter- Make / Serial no.	Secure/ PGSDP30015B
Name of Substation	66 kV GETCO Substation, Modpar

The commissioning of the Small Scale Distributed Solar PV Project (SSDSP) has been carried out; the ABT meter has been installed.

For Gujarat Energy Development Agency

(A. H. Vaghela)
Senior Project Executive

To,
M/s. Sunlight Energy,
98-A, Khushi Panchvati Society,
Nr. Dream House,
Jamnagar - 360008

Cc to: (1) Chief Engineer (R & C),
Paschim Gujarat Viji 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. Kalperux building, Near T.B. Hospital, Gotri Road,
Vadodra - 390 021

કોઈ પણ, નોંધ નં. ૧૧ નો ૧૧ બિલ્ડિંગ
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BY RPAD

GEDA/SSDSP-30/2022/01/OW/ 4700

Date: January 17, 2022

CERTIFICATE OF COMMISSIONING

This is to certify that **M/s. SSK Power**, 98-A, Khushi Panchvati Society, Nr. Dream House, Jamnagar - 361008 has installed and commissioned **525 kW (AC) / 547.35 kW (DC)** capacity Solar Power Plant at Survey No. 272, 277 and 280, Village-Modpar, Ta- Jamnagar, Dist.- Jamnagar on 09/12/2021 along with the associated equipment as per following details.

GEDA Registration No.	SSDSP05012021-0030
Capacity of Solar Power Project	525 kW (AC) / 547.35 kW (DC)
SPV Modules- Type / Make	Monoperc/ Waaree
Nos. of Photovoltaic Modules / Rating	1230/ 445 Wp
Inverters- Type / Make	String/ ABB
Nos. of Inverter / Rating	3/ 175 kW
ABT Meter- Make / Serial no.	Secure/ PGSDP30016B
Name of Substation	66 kV GETCO Substation, Modpar

The commissioning of the Small Scale Distributed Solar PV Project (SSDSP) has been carried out; the ABT meter has been installed.

For Gujarat Energy Development Agency

(A. H. Vaghela)
Senior Project Executive

To,
M/s. SSK Power,
98-A, Khushi Panchvati Society,
Nr. Dream House,
Jamnagar - 360008

Cc to: (1) Chief Engineer (R & C),
Paschim Gujarat Viji 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. Kalperux building, Near T.B. Hospital, Gotri Road,
Vadodra - 390 021

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BY RPAD

GEDA/SSDSP-29/2022/01/OW/ 4701

Date: January 17, 2022

CERTIFICATE OF COMMISSIONING

This is to certify that **M/s. Arka Power**, 30-A, Pushpanjali, Ketan Society, Opp. Park Colony, Jamnagar - 361008 has installed and commissioned **525 kW (AC) / 547.35 kW (DC)** capacity Solar Power Plant at Survey No. 272, 277 and 280, Village-Modpar, Ta- Jamnagar, Dist.- Jamnagar on 09/12/2021 along with the associated equipment as per following details.

GEDA Registration No.	SSDSP05012021-0029
Capacity of Solar Power Project	525 kW (AC) / 547.35 kW (DC)
SPV Modules- Type / Make	Monoperc/ Waaree
Nos. of Photovoltaic Modules / Rating	1230/ 445 Wp
Inverters- Type / Make	String/ ABB
Nos. of Inverter / Rating	3/ 175 kW
ABT Meter- Make / Serial no.	Secure/ PGSDP30017B
Name of Substation	66 kV GETCO Substation, Modpar

The commissioning of the Small Scale Distributed Solar PV Project (SSDSP) has been carried out; the ABT meter has been installed.

For Gujarat Energy Development Agency

(A. H. Vaghela)
Senior Project Executive

To,
M/s. Arka Power,
30-A, Pushpanjali, Ketan Society,
Opp. Park Colony,
Jamnagar - 360008

Cc to: (1) Chief Engineer (R & C),
Paschim Gujarat Viji 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. Kalperux building, Near T.B. Hospital, Gotri Road,
Vadodra - 390 021

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

BY RPAD

GEDA/SSDSP-57/2022/01/OW/4716 Date: January 17, 2022

CERTIFICATE OF COMMISSIONING

This is to certify that M/s. Naranbhai Nandania, Shivani petrol Pump road, Opp. Post Office, Bhatiya, Devbhumi Dwarka - 361315 has installed and commissioned 525 kW (AC) / 547.35 kW (DC) capacity Solar Power Plant at Survey No. 272, 277 and 280, Village-Modpar, Ta.- Jamnagar, Dist.- Jamnagar on 09/12/2021 along with the associated equipment as per following details.

GEDA Registration No.	SSDSP11012021-0057
Capacity of Solar Power Project	525 kW (AC) / 547.35 kW (DC)
SPV Modules- Type / Make	Monoperc/ Waaree
Nos. of Photovoltaic Modules / Rating	1230/ 445 Wp
Inverters- Type / Make	String/ ABB
Nos. of Inverter / Rating	3/ 175 kW
ABT Meter- Make / Serial no.	Secure/ PGSDP30256B
Name of Substation	66 KV GETCO Substation, Modpar

The commissioning of the Small Scale Distributed Solar PV Project (SSDSP) has been carried out; the ABT meter has been installed.

For Gujarat Energy Development Agency
(A. H. Vaghela)
Senior Project Executive

To,
M/s. Naranbhai Nandania,
Shivani petrol Pump road, Opp. Post Office,
Opp. Post Office, Bhatiya
Devbhumi Dwarka - 361315

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

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

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(A Govt. of Maharashtra Undertaking)
(CIN: U40109MH2005SGC153645)
Office of The Superintending Engineer, Nasik Circle, Vidut Bhavan, Nasik Road 1st Floor, Nashik-01
E-Mail: senskurban2019@gmail.com

SE/NSKUC/Tech/Solar/Ashoka /20-21/R/No. 4 16 3 Date: 11 SEP 2020

To,
The Chief Engineer (Renewable Energy),
M.S.E.D.C.L, Prakashgad,
Bandra (E), Mumbai- 400 051.

Sub: - Commissioning of 2.5MW Solar Power Project Developed by M/s Ashoka Institute of Medical Science & Research Pvt. Ltd at 11 KV level at 33/11 KV Stice Substation from solar power project located at S No.159/SA & 158/2/1 Village Musalgaon Tq.Sinner, Dist. Nasik.

Ref:-

1. CE (Dist)/D-III/Evacuation of power/Co-generation/27779/15.09.11
2. GOM Composite Wind Policy -2015 Dated 20.07.15
3. GOM Methodology for installation of RE Projects Dated 09.09.15
4. PON/GSPP-518/2018/3626 dtd 19.07.2018
5. CE(IRE)/SOLAR/GC/34148 dated 11.12.2019.
6. CE(IRE)/Solar/GC/36263 dated 31.12.2019
7. SE/NSKUC/Tech/Solar/Ashoka/19-20/No.243 Dated 13.01.2020.
8. SE/TC/KR/AIMSR/5MW Solar/AEE-1/19 Dated 13.01.2020.
9. SE/NSKUC/Tech/Solar/Ashoka /19-20/No.354 Dated 15.01.2020
10. CE/RE/Solar/No.7867 Dated 09.03.2020
11. CE/RE/Solar/No. No.27.05.2020
12. GoM Composite RE policy-2015 Dated 20.07.2015
13. SE/NSKUC/Tech/Solar/Ashoka/20-21/No.2751 Dated 02.06.2020
14. EE/NSKR/Tech/19-20/No.2350 Dated 09.06.2020
15. SE/NSKUC/Tech/Solar/Ashoka/20-21/No.3035 Dated 23.06.2020.
16. SE/NSKUC/Tech/Solar/Ashoka/20-21/No.3182 Dated 01.07.2020
17. CE/NSKZ/T/Est/T-II/No.1455 Dated 08.07.2020
18. SE/NSKUC/Tech/Solar/Ashoka/20-21/No.3449 Dated 17.07.2020
19. SE/NSKUC/Tech/Solar/Ashoka/20-21/No.3496 Dated 22.07.2020
20. SE/NSKUC/Tech/Solar/Ashoka/20-21/No.3502 Dated 22.07.2020
21. This office Email Dated.07.08.2020
22. EE/Nasik R/T/HT/No.3179 Dated.13.08.2020
23. SE/NSKUC/Tech/Solar/Ashoka/20-21/No.3913 Dated 25.08.2020
24. CE/RE/Solar/No. No.27.08.2020
25. SE/NSKUC/Tech/Solar/Ashoka/20-21/No.4152 Dated 10.09.2020
26. Email by SDO(SINNER-1) Dated.10.09.2020@14:58HRS

With reference to above cited subject 2.52 MW Solar Power Project Developed by M/s Ashoka Institute of Medical Science & Research Pvt. Ltd with grid connectivity at 11kV level connected to 33/11kV Stice Substation from solar power project located at S No.159/SA & 158/2/1 Village Musalgaon Tq.Sinner, Dist. Nasik, having startup power(Sanction- CL: 155 kW; CD: 188 kVA Consumer No. 075659028120) on 11 kV was released on Dated.08.08.2020 in presence of Assistant Engineer(Nasik Urban Testing Division)Section Incharge,Representatives of M/s Ashoka Institute of Medical Science & Research Pvt.Ltd. & Representatives of Licensed Electrical Contractor.

Also Permission to commission (PTC) 2.52 MW (Phase - I) out of 5 MW solar project connected to 33/11, kV Stice sub-station on 11 kV level at village Musalgaon, Tal. Sinner, Dist. Nashik in respect of M/s Ashoka Institute of Medical Science & Research vide Y.O.L under ref[24].

Details of 2.52 MW Solar Power Project Developed by M/s Ashoka Institute of Medical Science & Research Pvt. Ltd is as under:-

8 No.159/SA & 158/2/1 Village Musalgaon Tq.Sinner, Dist. Nasik, 7 Acres of land covered by Solar Panels Total No's:- 9720.

The details of 11kV Overhead line, 11kV Bay and other metering equipments' charged is as detailed hereunder:-

(Page No.01 of 03)

ASHOKA
Ashoka Institute of Medical Sciences & Research

Ref No. : AIMSR/Solar/04092020 Date: 04.09.2020

Commissioning Certificate

This is to certify that M/s Ashoka Buildcon Ltd was awarded "Design, Supply, Installation, Testing, Commissioning including all approvals for Solar Power plant of 3.2MW capacity, at Musalgaon MIDC, Sinner, Nashik for AIMSR (Ashoka Institute of medical sciences & Research)" on "Turnkey Basics" under below mentioned contract M/s Ashoka Buildcon Ltd has successfully completed the entire allotted work and commissioned the plant successfully.

Name of the Contract	Design, Supply, Installation, Testing, Commissioning including all approvals for Solar Power plant of 3.2MW capacity, at Musalgaon MIDC, Sinner, Nashik for AIMSR (Ashoka Institute of medical sciences & Research)
Place & State	Taluka Sinner & State of Maharashtra
Contract No & Date	WO/Solar/AIMSR/01, dated 04.12.2019

Below mentioned works are successfully completed, erected and plant has been successfully commissioned.

Sr. No	Particulars of work	Unit	Executed Qty
1	Solar Module 330Wp	Nos	9720
2	Central Inverter 2.52MVA	Nos	1
3	Balance of System (BOS) with approvals	LS	1

Yours Faithfully,

(Authorized signatory)

Regist. Office - V-Tech I.T. Park, S.No. 113, Vadda, Nashik - 422 011, Maharashtra, India. • Tel +91 253 6638705
• www.ashokabuildcon.com
CIN: U85191MH2014NPL254072

Annexure 2: Generation and CO2 Emission Annually

GENERATION (in MW)							
No.	Project	2020-21	2021-22	2022-23	2023-24	2024-25	TOTAL
1	DS RE Energy	0	0	0	0	0	0
2	JTK Industries	4768.892	4731.929	4382.617	3090.578	3061.299	20035.32
3	Yug Energy	0	0	0	0	0	0
4	BJV Enterprise	0	0	0	0	0	0
5	Vitrag Sun Power	0	129.047	1400.1648	1305.1456	1235.5044	4069.862
6	Vitrag Solar Energy	0	138.031	1556.672	1501.4829	1321.7685	4517.954
7	SSK Power	0	48.0206	887.8969	866.4199	815.3289	2617.666
8	Sunlight Energy		45.8058	898.0403	870.4584	809.6139	2623.918
9	Arka Power	0	49.0421	878.4944	867.3841	780.2906	2575.211
10	Naranbhai Nandania	0	48.2666	903.7018	874.6378	863.3094	2689.916
11	RLZ Energy	0	0	732.9354	894.2563	892.7726	2519.964
12	SRK Power	0	0	741.0257	893.9124	828.324	2463.262
13	Sunrise Energy	0	0	747.8026	908.3019	942.1341	2598.239
14	Urza Solar	0	0	787.8895	972.918	947.459	2708.267
15	KD Power	0	0	775.615	945.0963	854.4777	2575.189
16	TNM power	0	0	739.7216	851.0469	945.0875	2535.856
17	Jay International						0
18	Rupam Overseas						0
19	Ashoka Institute of Medical Sciences & Research	789.012	2873.881	3045.136	3191.535	3757.62	13657.18
	TOTAL	5557.904	8064.0231	18477.713	18033.1735	18054.9896	68187.8

TOTAL CO ₂ EMISSION YEAR							
No.	Project	2020-21	2021-22	2022-23	2023-24	2024-25	TOTAL
1	DS RE Energy	0	0	0	0	0	0
2	JTK Industries	4287	4251	3938	2778	2314	17568
3	Yug Energy	0	0	0	0	0	0
4	BJV Enterprise	0	0	0	0	0	0
5	Vitrag Sun Power	0	115	1256	1169	930	3470
6	Vitrag Solar Energy	0	124	1395	1344	994	3857
7	SSK Power	0	43	794	775	613	2225
8	Sunlight Energy	0	41	802	778	607	2228
9	Arka Power	0	44	784	776	586	2190
10	Naranbhai Nandania	0	43	809	781	647	2280
11	RLZ Energy	0	0	655	799	671	2125
12	SRK Power	0	0	662	796	620	2078
13	Sunrise Energy	0	0	668	812	708	2188
14	Urza Solar	0	0	704	868	712	2284
15	KD Power	0	0	693	844	642	2179
16	TNM power	0	0	661	760	710	2131
17	Jay International	0	0	0	0	0	0
18	Rupam Overseas	0	0	0	0	0	0
19	Ashoka Institute of Medical Sciences & Research	709	2579	2735	2866	2840	11729
	TOTAL	4996	7240	16556	16146	13594	58532

Annexure 3: Self declaration

Self-Declaration-JTK Station Injection

We, JTK Industries hereby declare and affirm the following:

- The entities BJV Enterprise (599.4 kW), Yug Energy (516.8 kW), DS Re Energy (972.8 kW), JTK Industries (902.8 kW), Jay International (399.6 kW) and Rupam Overseas (596.23 kW) collectively and solely function as injecting solar plants into JTK Station.
- As a part of this structure, all the generation from the forenamed entities is consolidated under JTK Station.

This declaration is made in good faith, with full knowledge and understanding with each plant owner.

Regards,

Vadhar P.C.

[Signature]

Mr. Paresh Vadhar
Managing Director
Jay International

Plot No. 1/2/464, G.I.D.C. Shankar Tekri, Udyog Nagar, JAMNAGAR - 361 004 (INDIA)
Phone : +91-288-2560693 +91-288-2560565, Fax : +91-288-2565662 E-mail : sales@jaybrass.in

Date: 27.05.2025

To Whom It May Concern,

We, Jay International, located at Plot No. 464, G.I.D.C, Shankar Tekri Udyog Nagar, Jamnagar - 361004 Gujarat (India), hereby declare and affirm that we have the authority and permission to submit the following solar power installations to avail carbon credits on behalf of their respective owners.

The solar power installation and their respective capacities are as follows:

Solar installation owner		Installed capacity
JTK Industries Station	Jay International	399.6 kW (DC)
	JTK Industries	902.8 kW (DC)
	DS RE Energy	972.8 kW (DC)
	Yug Energy	516.8 kW (DC)
	BJV Enterprise	599.4 kW (DC)
	Rupam Overseas	596.23 kW (DC)
	KD Power	648 kW (DC)
	RLZ Energy	599.4 kW (DC)
	SRK Power	599.4 kW (DC)
	Sunrise Energy	599.4 kW (DC)
	TNM power	599.4 kW (DC)
	Urza Solar	599.4 kW (DC)
	SSK Power	547.35 kW (DC)
	Sunlight Energy	547.35 kW (DC)

Plot No. 1/2/464, G.I.D.C. Shankar Tekri, Udyog Nagar, JAMNAGAR - 361 004 (INDIA)
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Arka Power	547.35 kW (DC)
Naranbhai Nandania	547.35 kW (DC)
Vitrag Sun Power	1000.14 kW (DC)
Vitrag Solar Energy	1000.36 kW (DC)
M/s Ashoka Institute of Medical Science & Research	2.5 MW (DC)

Regards,

Vadhar P.C.

Mr. Paresh Vadhar
Managing Director
Jay International

Plot No. 1/2/464, G.I.D.C. Shankar Tekri, Udyog Nagar, JAMNAGAR - 361 004 (INDIA)
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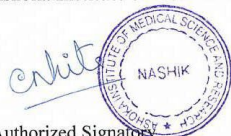
Self-Declaration for consent to cluster solar plant for carbon credits

We, M/s **Ashoka Institute of Medical Sciences and Research** a company incorporated under the laws of India, hereby declare and confirm that we allow our solar plant of capacity **2520 KW** located **Sinner, Nashik** to be included in a solar cluster for carbon credits with Yojan Solutions Pvt. Ltd. as the aggregator.

Furthermore, we acknowledge and agree that Yojan Solutions Pvt. Ltd., as the aggregator, may elect a cluster leader to represent and manage the cluster's carbon credit issuance. We confirm our willingness to cooperate with the elected cluster leader and provide necessary documentation or assistance as required for the successful execution of the carbon credit process.

This declaration is given in good faith and is valid until further notice from our end, subject to mutual agreement and compliance with applicable regulatory requirements.

For and on behalf of
Ashoka Institute of Medical Sciences and Research


Authorized Signatory
Ankita Parakh
Director