MG SUSTAINABLE ENGINEERING | NEWS

MG Sustainable Engineering supports Svrn AB on 3.24MW Indian solar project

A 3.24 megawatt peak (MWp) bank financed, government backed demonstrator asset under India's Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM KUSUM) Component C scheme, targeted for commissioning on 15 June 2026.

Figure 1. Constructed solar array for the 3.24 MWp PM KUSUM project near Ujjain, Madhya Pradesh, India.

CAPACITY	SENIOR DEBT	TARIFF	TOTAL PROJECT COST	COMMISSIONING
3.24 MWp	INR 70 M	INR 2.94/kWh	INR 136 M	15 Jun 2026
Direct current | 2.7 MW alternating current	State Bank of India	25 year Power Purchase Agreement	Public support included	Target date

Project overview

MG Sustainable Engineering AB has supported Svrn AB in the delivery of its first demonstrator solar photovoltaic (PV) project in India. The project is a 3.24 MWp direct current (DC) and 2.7 MW alternating current (AC) ground mounted PV plant in Semli, near Ujjain, Madhya Pradesh, developed under the Government of India's Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM KUSUM) Component C feeder level solarisation scheme.

The project is led by Svrn AB and executed on the ground by Svrn India Private Limited. Site progress shows civil foundations, galvanised fixed tilt mounting structures, installed PV modules, boundary fencing, access infrastructure and DC cable trenching already in place. The current target commissioning date is 15 June 2026.

Highlights

Bankable asset	Senior debt of INR 70.0 million has been provided by State Bank of India (SBI) at 8.15 percent per annum over a 15 year tenor.
Contracted revenue	The plant operates under a 25 year fixed tariff Power Purchase Agreement (PPA) at INR 2.94 per kilowatt hour.
Public support	Total project cost is approximately INR 136.0 million, supported by government subsidy of around INR 28.3 million under the PM KUSUM framework.
Rural energy	The asset is connected to agricultural feeders so daytime renewable electricity can support rural agricultural loads.
Performance design	A 1.20 DC to AC ratio supports the 19 percent Capacity Utilisation Factor (CUF) requirement in the tender.
Grid evacuation	The plant is designed for evacuation to a substation approximately 1.5 km from the site.

Built for rural energy transition

Under PM KUSUM Component C, solar generation is connected to agricultural feeders to increase daytime renewable power availability for farming loads. For the Ujjain project, the system architecture combines 3.24 MWp DC capacity, 2.7 MW AC export capacity, fixed tilt module structures and feeder level grid evacuation.

Over its 25 year operating life, the asset is expected to supply clean electricity to agricultural feeders in Madhya Pradesh, reduce fossil linked grid consumption and create local construction and operations and maintenance (O&M) employment.

Figure 2. Clubbed construction views for the 3.24 MWp Ujjain project: installed array, modules, access road and foundations.

Project metrics

The charts below summarise the public project metrics for capacity, funding structure, contract tenure, CUF and lending assumptions. Amounts are shown in INR millions.

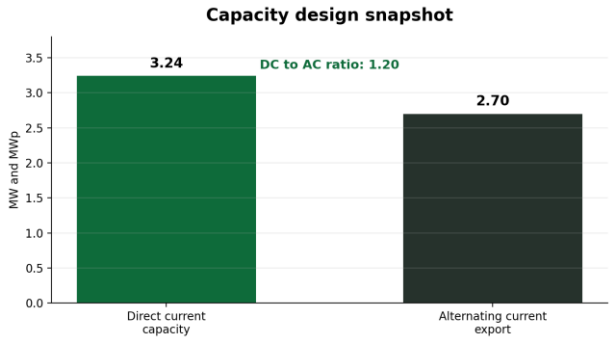

Figure 3. Capacity design snapshot for the 3.24 MWp DC and 2.7 MW AC system.

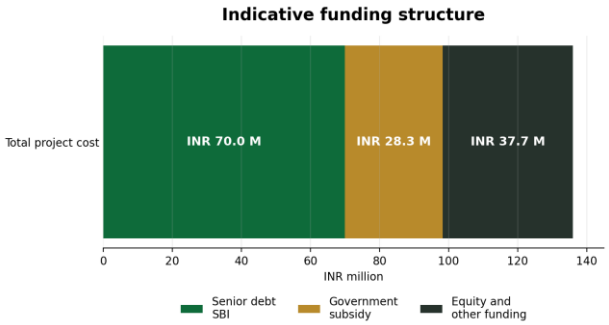

Figure 4. Indicative INR million funding structure for the Ujjain project.

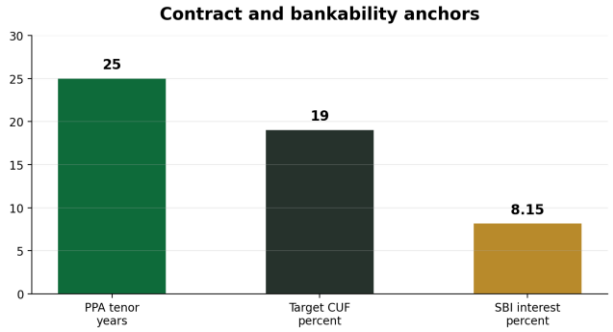

Figure 5. Contract, CUF and SBI lending anchors.

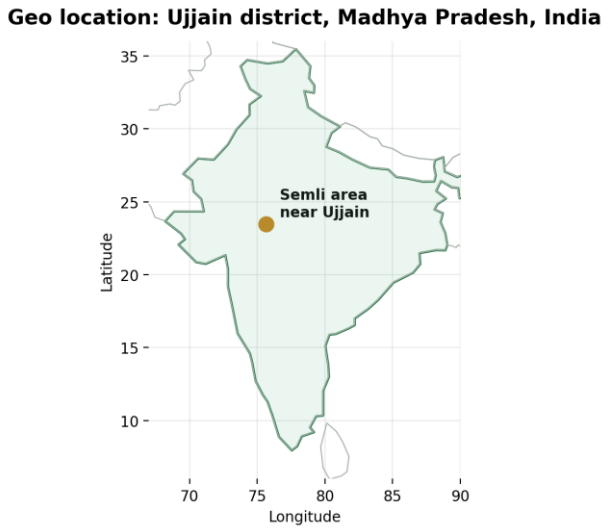

Figure 6. Geo location map with approximate Semli area marker near Ujjain, Madhya Pradesh, India.

Location reference: Ujjain district, Government of Madhya Pradesh. The map marker is approximate for the Semli area near Ujjain.

Simplified single line diagram

The public single line diagram (SLD) below shows the simplified energy path from the PV array to DC combiner boxes, inverters, transformer, grid connection and agricultural feeder supply. Detailed protection, metering, earthing and interconnection drawings remain part of the engineering documentation.

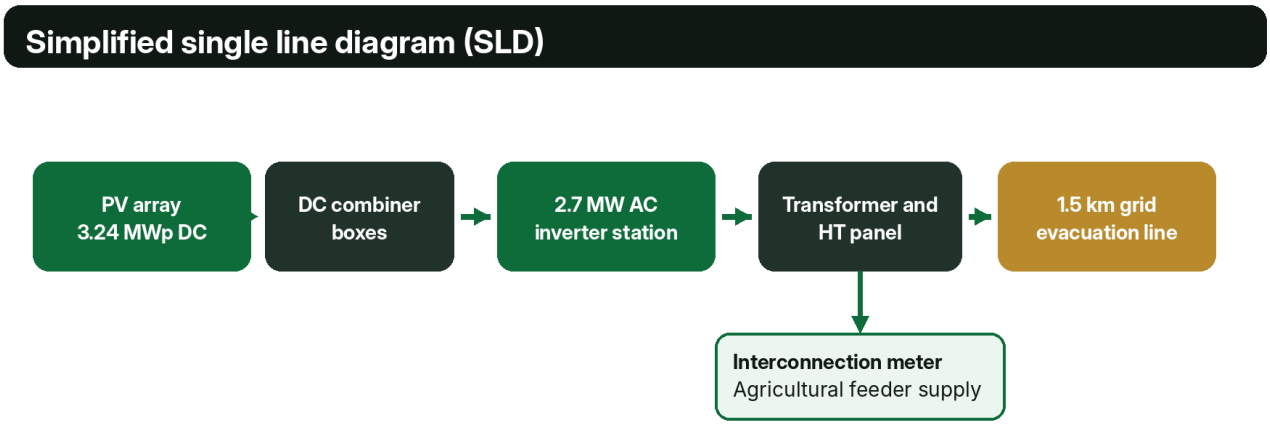

Figure 7. Simplified SLD for the 3.24 MWp Ujjain PM KUSUM solar PV plant.

Construction image club

Figure 8. Clubbed site image grid for the 3.24 MWp Ujjain PM KUSUM project.

Collaboration milestone

For Svrn AB, the Ujjain project is a proof of execution asset for its Nordic India renewable energy platform. It is financed, under construction and backed by a long term government linked programme structure, creating an important reference project as Svrn moves from early stage development into operation of Indian solar assets.

For MG Sustainable Engineering AB, the project reflects its role in enabling bankable solar PV development across geographies. Supporting projects where engineering discipline, contracted renewable generation and rural energy impact meet is central to MG Sustainable Engineering's work.

MG Sustainable Engineering congratulates Dr. Avi Saini, Natasha Rauns and the wider Svrn AB and Svrn India Private Limited teams on this milestone and looks forward to seeing the plant energised in June 2026.

Related links

PM KUSUM official page, Ministry of New and Renewable Energy

Ujjain district official website