

PRODUCT DATASHEET • NEW

Solar Module Mounting Structures

Indo East entered solar in **2012** as India's solar sector began, and fabricates module mounting structures, fixed-tilt tables and the foundation interface from IS 2062 steel, hot-dip galvanized on our own kettle to the coating grade the project specifies.

Indo East steel is installed on a 50 MW solar project in Togo, West Africa, supplied through a client rather than shipped by us. Structures are built to the project design; we fabricate and galvanize rather than design the array.

ISO 9001:2015

ISO 14001:2015

ISO 45001:2018

IEC 0211004090

EEPC RCMC

RDSO APPROVED

NSIC

TECHNICAL SPECIFICATION

PARAMETER	SPECIFICATION
Structure types	Fixed-tilt module mounting structures, module tables, tracker-compatible structures to drawing
Material	IS 2062 Grade A and B; IS 8500 where a higher-strength grade is specified
Galvanizing	IS 2629 process, IS 4759 coating mass — 75–85 microns as standard, or the project's coating grade
Wind and load design	IS 875 Part 3 for the wind zone at site, to the project designer's loading
Fasteners	IS 1367 property classes as specified; stainless where the specification calls for it
Foundation interface	Fabricated to the civil consultant's drawing — foundation design is not ours
Coating life	Galvanizing is the whole design life on a solar table: it is outdoors, unpainted, and nobody returns to maintain it

PRODUCT RANGE

Fixed-tilt tables

Module mounting tables at the array tilt the project design specifies, in galvanized steel.

Module mounting structures

Purlins, rafters and posts, fabricated and pre-drilled so the array assembles without site drilling.

Tracker-compatible structures

Fabricated to the tracker maker's drawing where a project uses single-axis tracking.

Foundation and interface steel

Base plates, anchors and the interface between the structure and the civil design.

PAGE 2 • THE WORKS, AND THE LIMITS

Made at Jangalpur, Howrah

Every item on this datasheet is produced in-house at our integrated complex on NH-6 — cutting, fabrication, welding, pre-treatment, hot-dip galvanizing and final inspection. There is no sub-contractor in the chain.

18,000+ MT

ANNUAL CAPACITY

1,000 MT

FABRICATION PER MONTH

1,500 MT

GALVANIZING PER MONTH

7.0 × 1.2 × 1.6 m

KETTLE, AT 450 °C

5 MTMAX SINGLE PIECE, CRANES TO
20 T**22 km**

TO KOLKATA PORT

TYPICAL APPLICATIONS

Utility-scale solar parks

Rooftop and shed-mounted
arrays

Ground-mount fixed tilt

Tracker structures to drawing

Hybrid and captive plants

Repowering and array
extension

STANDARDS AND COMPLIANCE

Structural steel IS 2062, IS 8500 · **Galvanizing** IS 2629, IS 4759, IS 6745, IS 2633; ASTM A123, ASTM A153, ASTM A385 or EN ISO 1461 where specified · **Wind loading** IS 875 Part 3 · **Towers** IS 802 · **Line hardware** IS 2486 · **Fasteners** IS 1367 · **Earthing** IS 3043 · **Welding** IS 816, AWS D1.1; weld inspection IS 822 · **Tolerances** IS 7215. ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 certified; RDSO approved for railway structures; IEC 0211004090.

Three things we say before you ask

- **Nothing longer than 7.0 m goes in the kettle in one dip.** Longer members are double-dipped — standard practice, but it leaves a visible overlap line, and we raise it before quoting rather than after dipping.
- **Our laboratory is not NABL-accredited.** The equipment is real — Bruker Q2 ION spectrometer, universal testing machine, Rockwell tester, calibrated DFT gauges — but where a specification requires NABL type-test reports, that testing is arranged with an accredited laboratory against the order.
- **We do not hold EN 1090.** It is a real certification with a real audit. IS 4759, ASTM A123 and EN ISO 1461 are different: they are specifications material is supplied and certified *against*, and we galvanize to them and issue the readings.

HOW TO ORDER

Send drawings, a bill of materials or a specification through indoeast.com. We review the scope, raise any queries and return a formal quotation, typically **within 48 business hours**. Third-party inspection by **SGS, Bureau Veritas, TÜV, DNV or Intertek** is supported at stages agreed before production. For export, the form at indoeast.com/export-enquiry.html asks for the five things that let us price properly.

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