GUJARAT INDUSTRIES POWER COMPANY LIMITED

TENDER FOR PROCUREMENT OF MODULE MOUNTING STRUCTURE FOR PV MODULE

Bid No.: GIPCL/MATLS/ SOLAR STRUCTURE SUPPLY/2026-27

INSTRUCTIONS TO BIDDERS & CONDITIONS OF CONTRACT

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NOTICE INVITING TENDER (NIT)
TENDER NO.: GIPCL/MATLS/ SOLAR STRUCTURE SUPPLY/2026-27

Name of work	PROCUREMENT OF SOLAR STRUCTURE
Place of Supply	GUJARAT INDUSTRIES POWER CO. LTD, GIPCL Plot-1, 40 MW, Gujarat Solar Park, Village Charanka, Dist. Patan, Gujarat 385350.
Quantity	As per attached Annexure
Non-Refundable Tender Fee	**Rs. 2,950/-** by Demand Draft/RTGS in favor of GIPCL and payable at Vadodara as per clause No.06 of Section A.
EMD	**Rs. 40,000 /- (Rs. Forty Thousand only)** as per clause No.06 of Section A.
Security Deposit	10% of Basic Order Value (excluding Taxes & Duties.) Valid for Guarantee Period in favor of Gujarat Industries Power Company Ltd as per Clause No.01 of Section C, GCC.
Submission of EMD other supporting documents for technical Bid in physical form	On or before due date during office hours at office of GIPCL, P.O. Ranoli – 391350 Dist.: Vadodara, Gujarat – India

NOTES:

1. Amendment / corrigendum of the tender document, forms, schedules, etc... may be done any time by the GIPCL during the period of publication of Tender in the website. The Bidders are required to visit the website regularly till the last date & time of Bid submission.
2. GIPCL reserves the right to reject any or all the tenders without assigning any reason thereof.
3. The Bidders are required to quote the rate strictly as per the terms and conditions mentioned in the tender document, adhering to technical specifications as well.
4. The Bidders are required to submit their Bids online through the website **https://tender.nprocure.com**.
5. The EMD and other supporting documents are to be submitted in physical form only at the following address:-

   Senior Manager (Materials & Contracts)
   Gujarat Industries Power Company Limited,
   P.O. Ranoli – 391350
   Dist.: Vadodara.

SECTION-A
INSTRUCTIONS TO BIDDERS

1. PLANT SYNOPSIS

Gujarat Industries Power Company Limited (GIPCL) was incorporated in the year 1985 as a Public Limited Company. The Company is registered with the Registrar of Companies, Gujarat under the Companies Act, 1956, registered and corporate Office is located at P.O. Ranoli, Vadodara- 391 350, Gujarat, India.

GIPCL is in the business of Electrical Power Generation. The current installed capacity is 1859.4 MW. The Company has a diversified power generation portfolio comprising Thermal (Lignite and Gas) and Renewable (Wind and Solar) Power Plants. GIPCL also operates captive Lignite and Limestone Mines to meet the fuel requirement of the 500 MW Surat Lignite Power Plant. Over the years, GIPCL has established itself as a formidable player in the power generation business.

GIPCL Assets

Thermal

- 500 MW (2 x 250 MW) Surat Lignite Power Plant at Village Mangrol, Surat, Gujarat
- 310 MW (145 MW +165 MW) Gas Based Combined Cycle Power Plants at Vadodara, Gujarat

Renewables

- 937 MW Solar Generating Capacity spread across various locations in Gujarat
- 112.4 MW Wind Generating Capacity in the Saurashtra and Kutch region of Gujarat

2. SCOPE OF SUPPLY:

Detail Scope of Supply, Technical Specifications for Procurement of Module Mounting Structure(MMS) for Solar PV Module as is mentioned in Section-D.

3. GENERAL INSTRUCTIONS

3.1 The Bidders who are interested in participating in the tender must read and comply with the instructions and the Terms & Conditions contained in the tender documents.

3.2 The Bids shall be filled in by the Bidders clearly, neatly and accurately. Any alteration, erasures or overwriting shall be liable to make the tender invalid unless the same is neatly carried out and attested over the full signature of Bidder. The decision of the Company to interpret the information and rates filled in by the Bidder shall be final and binding on the Bidder.

3.3 The Bidders are requested to make themselves fully conversant with the General Conditions of Contract, Special Conditions of Contract, Technical Specifications, Site conditions, Safety &Health Aspects and Norms to be observed etc. before submitting their bids so that no ambiguity arises in these respects subsequent to submission of the Bids.

3.4 Before quoting the rates, the Bidder must visit site and should go through the specifications, scope of work etc. and get himself fully conversant with them. The Bid should include cost of mobilization and cost to adhere to all Safety Norms as described in the tender. No relaxation or request for revision of quoted/accepted rates shall be entertained subsequent to the opening of Bid on account of mobilization or Safety costs.

3.5 Bidder has to submit all the information as per required Bid document. Failure to furnish all the information as per required Bid documents or submission of a Bid containing deviations from the contractual terms and conditions, specifications and requirements, shall be rejected.

3.6 The Bids shall be submitted within the time frames set out in the Notice Inviting Tender ('**NIT**') and Bids submitted thereafter shall not be accepted and considered.

3.7 The tender documents shall not be transferable.

3.8 The Bidders are expected to examine all instructions, forms, terms & specifications in the Bid documents and to get fully acquainted themselves with all the conditions and matters which may affect the subject matter of the work/tender or the cost thereof. If any Bidder finds any discrepancies or omissions in the specifications and documents or any doubt in true meaning or interpretation of any part, he shall seek necessary clarifications in writing if required.

3.9 Conditional offers shall not be considered and liable to be rejected.

3.10 The Company reserves the right to extend the deadlines for submission of the Bids by giving amendments.

3.11 During evaluation of Bids the Company may, at its discretion ask the Bidder (s) for clarification of their Bid. The request for clarification and the response shall be in writing and no change in prices or substance of the Bid shall be sought, offered or permitted.

3.12 The Company reserves the right to amend/ modify the Bidding documents at any time prior to the deadline for submission of Bids, either at its own discretion or in response to the clarification requested by a prospective Bidder. In such case, the Company may in its discretion extend the deadline for submission of Bids in order to facilitate the prospective Bidders for incorporating the effect of the amendment in their Bids.

3.13 The Bidders shall bear all costs and expenses associated with the preparation and submission of their respective Bids, to attend meetings or conferences, if any, including any pre-award discussion with the successful Bidder, technical and other presentations etc. and the Company shall not be liable for any expense thereof.

3.14 If the successful Bidder is consortium/joint deed of undertaking of company, the Consortium leader/Bidder shall accept joint and several responsibilities and liabilities for all obligations under the Contract.

3.15 Timely and satisfactory completion of the work and strict adherence to the allotted time frames for jobs shall be the essence of the contract.

3.16 The Company reserves the right to qualify/disqualify any applicant without assigning any reason.

3.17 The Bidder shall be disqualified if any untrue statement or misrepresentation is made in the Bid forms, attachments and other supporting documents submitted by the Bidder.

4. ELIGIBILITY CRITERIA

The following criteria shall be adopted for qualifying the Bidders for further proceeding.

4.1 Bidder should be manufacturer of Solar PV Module Mounting Structure(MMS) and submit Minimum Three Executed Purchase Orders (in last 05 years) for Supply of PV Module Mounting Structure (MMS) of 10 Tonne & above and should enclose proof of the same. Bidder shall submit necessary evidence for the same like self-attested copies of purchase orders/Supply Execution certificates from clients. Bidders should have executed the work directly.

4.2 Bidder should produce evidence of having experience of successfully completed similar works as defined hereunder for during last five years ending last day of the month previous to the one in which tender is invited, satisfactory progress of ongoing works etc. secured from clients along with self-attested copies of documentary evidence preferably photo copies of work experience. The experience should be either of the following:

A. One Executed PO Copy of Supply of Solar Structure costing not less than the amount equal to Rs. 38 Lacs.

OR

B. Two Executed PO Copy of Supply of Solar Structure costing not less than the amount equal to Rs. 24 Lacs.

OR

C. Three Executed PO Copy of Supply of Solar Structure costing not less than the amount equal to Rs. 19 Lacs.

Bidder should specifically mention fulfilling of above criteria in his offer along with details of Purchase orders and Work/Supply completion certificates issued by clients for each submitted PO.

4.3 The Bidder should have minimum average turnover of **Rs. 1.0 Crore** per annum during last three financial years. Balance Sheet of the company along with profit and loss account to be submitted duly audited by chartered accountant. The Balance sheet must be in the name of the Company who is purchasing the tender document any type of MOU for this purpose shall not be entertained.

Note: In case, the annual turnover is less than the statutory guideline which does not require audit, the bidder shall submit the turnover certificate from Chartered Accountant

4.4 The net worth of the bidder should be positive as evidenced from audited accounts of last financial year.

4.5 EMD & Tender Fee: **The EMD and Tender Fee** shall be accompanied in the form of DD /Bank Guarantee/RTGS given by Bank as described in subsequent clause.

4.6 The Bidder has to submit INCOME TAX Permanent Account Number (PAN), GST Registration No. of the firm. Copies of the same shall be submitted.

4.7 In case Bidder is a Consortium/Joint deed of undertaking of company, the above requirements/credential of consortium leader/bidder shall be considered unless otherwise specifically mentioned in the tender.

4.8 If Bidder or its Partner(s) or Director(s) is /are/was Black Listed / Deregistered / Stopped or banned from dealing in the past by any Govt, of Gujarat Undertakings / Depts. / Authorities and Govt. of Gujarat supported companies / undertakings / organizations, Bid of that party may be liable to be rejected. Bidder agrees and undertakes to accept decision of GIPCL in this regards as final and binding on the Bidder without any demur and that no further correspondence shall be done in this regard at any stage. Bidder shall have to submit "Declaration for Contractual Litigations" as amended in Annexure / Form attached

4.9 All the tender documents shall be submitted with sign and stamp on each & every page. Attested copies of relevant documents duly signed & seal on each & every page shall be submitted. GIPCL may verify the documents, experience certificates issued by concern authority. After opening of technical Bid, if any required attested documents found missing in the Technical Bid submitted by the Bidder, the tender inviting authority may inform to that Bidder by E-mail to submit the missing required documents within stipulated time limit. If Bidder/Bidders fail to submit within stipulated time, their Bid will be declared technically disqualified and no further correspondence will be entertained.

The Bidder shall submit all the evidences, documents, attested copies of purchase orders etc as a proof with EMD, Tender Fee and also provide the requisite details for meeting the prequalification requirements. GIPCL will verify the experience, performance, capability & strength of Bidders, independently for executing the job. GIPCL may visit the site & consult the owner of the industry/property where similar job is executed by the Bidder. GIPCL reserves the right to accept/cancel/reject any/all Bids without assigning any reason thereof. The tenders of qualified Bidder/Bidders shall only be considered for further evaluation.

4.10 GIPCL reserves the right not to consider bid of vendor who has track record of Non-Compliance/ Non-Performance/Non-Supply/ Cancellation of Work Order/Purchase Order in past with GIPCL.

5. LANGUAGE OF BID

The Bid prepared by the Bidder, and all correspondence and documents relating to the Bid exchanged by the Bidder and the Company, shall be written in the English language. Any printed literature furnished by the Bidder, written in another language shall be accompanied by an English translation for the purpose of interpretation of the Bid.

6. EARNEST MONEY DEPOSIT (EMD) AND TENDER FEE

6.1 An EMD of **Rs. 40,000/-** and Nonrefundable Tender fee **Rs. 2,950/-** shall accompany with Bid. Tender fee & EMD shall be submitted in the form of a crossed bank Demand Draft in favor of Gujarat Industries Power Co. Ltd. **and payable at Vadodara**.

6.2 The EMD, in alternative, may be submitted in the form of irrevocable Bank Guarantee in favor of Gujarat Industries Power Company Limited as per Performa of BG enclosed under Section-E.

6.3 EMD & Tender fee may also be submitted through online payment gateway of company's website: www.gipcl.com (online Payment Form) as per detail provided in Section-E. Generated receipt must be submitted with technical bid.

6.4 In case EMD is paid in the form of BG, the same shall be valid for a period of 180 days after the due date for submission of the bid.

6.5 The EMD of the Successful bidder will be returned after payment of Security Deposit by successful bidder.

6.6 The earnest money deposit paid in the form of Demand draft/BG/Online will be refunded to the Unsuccessful BIDDER as soon as the tender is finalized and after award of LOI/Work Order.

6.7 GIPCL reserves the right to accept/reject/refloat the tender, In no case tender fee shall be refunded.

6.8 Any bid not accompanied with EMD & Tender Fee will be rejected.

6.9 No interest shall be payable on EMD.

6.10 The EMD will be forfeited if the BIDDER (i) withdraws his tender after acceptance or (ii) withdraws his tender before the validity date of the tender.

6.11 SCHEDULE OF EMD

EMD, Tender Fee and all the documents asked in the tender (except price bid) shall be submitted with dully signed and stamp in physical on or before due date.	Address for Submission: Senior Manager (Materials & Contracts) Gujarat Industries Power Company Limited, P.O. Ranoli – 391350 Dist.: Vadodara, Gujarat - India

7. SUBMISSION OF BIDS

A: MODE OF SUBMISSION

The Bids shall be submitted in two parts along with EMD within dates specified in NIT as under:-

(a) Pre-qualification and Techno-commercial Bid without price.
(b) Price Bid.

a) Pre-Qualification and Techno-commercial Bid without price:

The following Documents shall also be submitted along with EMD in Physical Form to GIPCL-Vadodara.

The following supporting documents shall also be submitted along with EMD in physical form:

1. The Tender Documents of (Section-A to Section-E) duly signed in all pages without price bid along with techno-commercial deviations, if any shall accompany the bid. If you don't have deviations then write "NIL" in the deviation sheet and then submit with sign & stamp.
2. EMD, Tender FEE in the form of DD/BG/Online with receipt.
3. Proof of minimum eligibility criteria as per clause no.04 of Section A.

b) Price Bid:

1) Price Bid shall be submitted only in soft form through **(n) Procure Only**.

8. EVALUATION & COMPARISON OF BIDS

8.1 GIPCL shall evaluate the Bids received and accepted by it to ascertain the overall lowest/item vise lowest evaluated Bid in conformity with the specifications of the tender documents at hid sole discretion.

8.2 The Technical Bids will be examined for minor matters regarding qualification of bids. Subsequent to correspondence with the respective bidders, the decision of GIPCL will be final.

8.3 All responses to requests for clarifications shall be in writing and shall be presented to the Company through e-mail or in a sealed envelope on or before the given date requested by the Company. If the Technical clarifications sought by the Company do not reach the Company on or before due date, the Bid will be rejected.

8.4 The comparison of all the Bids shall be carried out with reference to the scope of work as per the technical specification. Any deviation/omission shall be evaluated at highest quoted price of the deviation/omission quoted by any of the Bidder. In case a separate price (for omission) is not given by any other Bidder, a reasonable price of the same shall be taken & the same shall be binding to the Bidders.

8.5 The commercial deviation, if any, shall be loaded to bring all the Bids at par. The loading shall be carried out at an interest rate of 2% above PLR of SBI.

8.6 A Bid to be substantially responsive shall be one which on evaluation confirms to all the terms, conditions and specifications of the Bid documents without any material deviation or reservation.

8.7 For the above referred purpose, a 'material deviation' shall be one which:

(a) Which affects in any substantial way the scope, quality or performance of the contract, or
(b) Which limits in any substantial way and in a manner inconsistent with the Bid documents, GIPCL's right or the Bidder's obligations, under the contract, or
(c) Whose rectification would affect unfairly the competitive position of other Bidders presenting substantially responsive Bids.

9. METHOD OF TENDERING/SIGNATURE ON BIDS

(i) The Bid must contain the postal address like name, residence and place of business of the person or persons submitting the Bid and must be signed and sealed by the Bidder with his usual signature. The name of all persons signing the documents shall also be typed or printed below the signature on each page.
(ii) Bid by a consortium/joint deed of undertaking of company/partnership firm must be furnished with full names of all partners and be signed with the partnership name, followed by the signature and designation of one of the authorized partners or other authorized representative(s). A certified copy of the power of attorney authorizing such partner or representative shall also be submitted.
(iii) Bids by a Corporation/Company must be signed with the legal name of the Corporation/Company i.e. by the President/Managing Director/Secretary or other person or persons authorized to Bid on behalf of such Corporation/Company. A certified copy of the board resolution/power of attorney authorizing such partner or representative shall also be submitted.
(iv) The Bidder's name stated on the proposal shall be the exact legal name of the firm.

(v) Erasures or other changes in the Bid Documents shall be initialed by the person signing the Bid.
(vi) Bids not conforming to the above requirements of signing shall be disqualified.

10. MODIFICATION AND WITHDRAWAL OF BIDS

a. The Bidder may modify or withdraw the bid prior to the deadline prescribed for submission of bids.
b. No Bid shall be modified subsequent to the deadline for submission of Bids.
c. No Bid shall be withdrawn in the interval between the deadline for submission of Bids and the expiration of the period of bid validity.

11. POLICY FOR BIDS UNDER CONSIDERATION

a. Bid shall be deemed to be under consideration immediately after opening of the bid and till official intimation of award/rejection made by the Company to the Bidders.
b. While the Bids are under consideration, Bidders and / or their representative or other interested parties are advised to refrain from contacting by any means, the Company. The Engineer, if necessary, will obtain clarifications on the Bids by requesting for such information from any or all the Bidders, in writing as may be necessary. The Bidder will not be permitted to change the price or substance of the Bid after the Bid has been opened.

12. EFFECT AND VALIDITY OF THE BID

a. The Bid should be kept valid for acceptance for a period of one hundred and eighty (180) calendar days from the last date of submission of Bids.
b. The submission of any Bid along with the required documents and specifications shall constitute an agreement that the Bidder shall have no cause of action or claim, against the Company for rejection of his Bid. The Company shall always be at liberty to reject or accept any Bid or Bids at his sole discretion and any action will not be called into question and the Bidder shall have no claim in that regard against the GIPCL.

13. PRELIMINARY EXAMINATION OF BIDS

13.1 The Company will examine the Bids for any computational errors, for sureties furnished by bidder, for authentication of documents submitted and completeness of the Bids.
13.2 Arithmetical errors will be rectified on the following basis:
(a) If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price will be corrected & will be binding to the bidders
(b) If there is a discrepancy between the Total Bid Amount and the sum of total prices, the sum of total prices shall prevail and the Total Bid Amount will be corrected & will be binding to the bidders.

14. RIGHT OF REJECTION OF TENDERS

14.1 GIPCL reserves the right to accept or reject any Bid or to cancel the Bidding process and reject all Bids at any time prior to award of contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders regarding the same. GIPCL reserves the right to disqualify any bidder who does not accept GIPCL terms & Conditions.

14.2 Any Tender without EMD will be treated as non-responsive and shall be rejected at the outset & no further correspondence shall be entertained regarding this.

14.3 GIPCL reserves the right to debar any Bidder from participation in future Bids if such Bidder has quoted an abnormally low rate in the Bid document/price Bid.

15. AWARD OF CONTRACT

15.1 GIPCL will award the contract to that bidder whose quotation has been determined to be substantially responsive and evaluated as the overall lowest quotation/item wise lowest quotation in conformity with the requirements of the specifications and documents contained herein, provided further that the bidder is determined and evaluated to be qualified to perform the contract satisfactorily at sole discretion of GIPCL.

15.2 The successful bidder shall be intimated of his selection through the Letter of Intent or Letter of Award/ Purchase Order which shall be sent to him through e-mail, courier.

15.3 GIPCL reserves the right to cancel/short close the contract during the contract period without assigning any reason.

15.4 GIPCL reserves the right to increase or decrease the qty. mentioned in tender inquiry before finalization of order.

15.5 GIPCL reserves the right to split the contract quantity between vendors.

16. ASSIGNMENT AND SUB-LETTING

The Supplier shall not directly or indirectly assign or sub-let total/any part of the contract to any other party or agency.

17. CLARIFICATION OF BIDDING DOCUMENTS

If any Bidder requires any further information or clarification in the Bidding Documents, may notify the Company before one week of last date of submission of online Bid, in writing or by E-mail at the GIPCL's mailing address corporatepurchase@gipcl.com as indicated in the 'Invitation to Bids'. The GIPCL's response (including an explanation of the query) will be sent in writing or by E-mail to all prospective Bidders who have received the Bidding Documents.

18. TIME SCHEDULE

The basic considerations and the essence of the 'Contract' shall be the strict adherence to the time schedule for performing the specified 'Works'.

19. UNDERSTANDING AND CLARIFICATION ON DOCUMENTS AND SPECIFICATION

The Bidder is required to carefully examine the specifications and documents, all the conditions and matters work wise & cost wise. If any Bidder finds any discrepancies or omissions in the specifications and documents or is in doubt for any meaning of any part, he shall request in writing for an interpretation/ clarification to the GIPCL.

All such interpretations and clarifications shall form a part of the Bid documents.

20. PAYMENTS

All the payments against the work order shall be in Indian currency and payable through cheque/RTGS only.

SECTION-B

INSTRUCTIONS TO BIDDERS FOR ONLINE TENDERING

Sr. No	Description
01.	Tender documents are available only in electronic format which Bidders can download from the website https://tender.nprocure.com/ and It can also be viewed from Company's website www.gipcl.com.
02.	Price bid should be submitted online through the website https://tender.nprocure.com only. No physical submission of price bid will be entertained as it should be furnished on-line only.
03.	Bidders who wish to participate in online tenders will have to procure / should have legally valid Digital Certificate (Class III) as per Information Technology Act-2000, using which they can sign their electronic bids. Bidders can procure the same from any of the license certifying Authority of India or can contact (n)code solutions- a division of GNFC Limited, who are licensed Certifying Authority by Government of India
04.	All bids should be digitally signed. The bidders are required to contact at the below mentioned address for detailed training on on-line tendering and also for requirement. (n) Code Solutions - A division of GNFC Ltd. 403, GNFC Infotower, S.G Road, Bodakdev, Ahmedabad – 380054 (Gujarat, India) **Toll Free :** 7359 021 663 (9:30 AM to 8:00 PM) Tel: 079-26857315/316/317 E-mail: nprocure@ncode.in, website: **https://tender.nprocure.com**

Interested bidders are requested to submit the online tender at least two days in advance from the due date set for on line submission of bid in order to avoid non participation.

E-REVERSE AUCTION:

1) GIPCL reserves the right to conduct E-Reverse auction through (n) Procure platform.
2) E-Reverse auction shall be conducted amongst (a) the lowest 50% eligible bidders (rounded to the next higher whole number) from the total bids received OR (b) Minimum three (03) lowest bidders, whichever is higher, shall be invited for participation in e-Reverse Auction through n-procure platform.
3) Opening Price, Detrimental value and duration for the e-Reverse Auction shall be informed to the qualified bidders before start of e-Reverse Auction.
4) After e-Reverse Auction process, L1 bidder shall be decided on Lowest Total Contract Price.
5) To participate in e-Reverse Auction, Bidders have to create e-Auction USER ID on **https://e-auction.nprocure.com** that the bidder shall be allowed to participate the e-Reverse Auction.
6) In case of any further information regarding online bidding or if a Bidder needs any assistance in accessing/ submission of online bid/ clarification or if training is required for participating in online e-reverse bidding, then the Bidder can contact the following office for assistance or training:

   (n) Procure Cell, (n) code solutions-A division of GNFC Ltd.,

- Head Office
- **(n)Code Solutions (A Division of GNFC Ltd.)**
- **14th Floor, Tower One, Road 5C, Zone 5,**
- **Gujarat Information Finance Tech City (GIFT City),**
- **Gandhinagar - 382355. India.**
- **Toll Free Number : 7359-021-663**
- **Support: 079- 4000 7517/515/514**
- **Email : nprocure@ncode.in**

- **(n)Code Solutions (A Division of GNFC Ltd.)**
  403, GNFC Infotower, S.G.Highway, Bodakdev, Ahmedabad - 380054. Support Phone: 079-40007517/515/514 email: nprocure@ncode.in

SECTION-C

GENERAL CONDITIONS OF CONTRACT

1) CONTRACT SECURITY DEPOSIT/ PERFORMANCE BANK GUARANTEE

As a Contract Security, the successful Bidder, to whom the work is awarded, shall be required to furnish a Performance Bank Guarantee (PBG)/Contract security deposit in favor of Gujarat Industries Power Company Limited for guarantee amount at 10% of the Purchase Order Value (excluding Taxes & Duties) valid for **12 months** from the date of receipt of materials from list of banks mentioned in the BG format attached in SECTION-E and it shall guarantee the faithful performance of the 'Contract' in accordance with the terms and conditions specified in these documents and specifications. Any defect or poor workmanship found during guarantee period, vendor shall replace the Material at free of cost. GIPCL reserves the right to forfeit Performance Bank Guarantee (PBG)/Contract security deposit.

Contract Security deposit shall be submitted within Twenty One (21) days from date of receipt of materials at site.

The (PBG)/Contract security will be returned to the Supplier without any interest after successful completion of guarantee period and on fulfilling contractual obligations throughout the period. However, any delay in submission of initial SD will result in equivalent late release of entire SD after guarantee period.

2) PRICE

Price quoted by the bidder should be firm and no price increase will be allowed to the supplier during the contract period. The Bidder shall deliver materials from their works to GIPCL Plot-1, 40 MW, Gujarat Solar Park, Village Charanka, Dist. Patan, Gujarat 385350 Site on door delivery basis. Prices shall be inclusive of transportation, inspection, packing and forwarding, transit Insurance, Octroi, Stacking, Loading/unloading and any other charges etc. However, applicable GST shall be paid extra at actual.

3) PRE- DISPATCH INSPECTION

Bidder shall inform 15 days in advance for pre-dispatch inspection.

4) DELIVERY AND PENALTY

Bidder shall deliver the materials within **04-06 weeks** from date of written intimation/after issue of PO to GIPCL-Site. If bidder fails to deliver materials as per above schedule than penalty of **0.5% per week (07 days)** per order value/item value (excluding T&D) shall be levied by GIPCL for late supply / undelivered items maximum up to 10% of items value under order. Material should be directly delivered to GIPCL-Site from your works. However, GIPCL reserves the right, at its sole discretion, to extend the delivery schedule depending upon the site conditions and project requirements, without prejudice to its other contractual rights.

"The Vendor shall commence manufacturing of the column posts on priority, followed by the manufacturing of the balance components of the MMS.

Upon completion of manufacturing of the column posts, it shall be dispatched to the project site immediately, irrespective of the consignment size or the readiness of the remaining MMS components i.e. the Vendor shall not withhold the dispatch of column posts due to pending completion or availability of the balance MMS components."

Delivery is the essence of the contract and if the delivery is not made as stipulated, GIPCL shall be at liberty to procure the material at Bidder's risk and cost and if hereby any extra expenditure is involved, the same will be debited to Bidder's account. If GIPCL is unable to procure the material from other source in time and if GIPCL suffers any consequential loss, Bidder will have to bear the same. GIPCL in that case (if the delivery is not made as stipulated) will forfeit Security Deposit / Performance Bank Guarantee or EMD and can also lodge claim against party for damage incurred.

5) PAYMENT TERM

100% of the order value of the supplied lot of materials will be released within 30 days from receipt of materials at site, after submission of PBG and acceptance by user department after verification of technical documents (mentioned in Section-D) like Material Test Certificates, original invoices etc, if any as per the PO terms.

6) GUARANTEE

Guarantee shall be 12 months from the date of installation or 18 months from the date of receipt at GIPCL whichever is earlier. Any defects or poor workmanship found during Guarantee period, Bidder shall replace/rectify the same at free of cost/your risk and cost.

7) LOSS AND DAMAGES

Any loss or damages and deterioration to the material in transit shall be at the cost of the suppliers. It shall be at the discretion of the GIPCL to reject the damaged or spoilt material, if so noticed.

8) INVOICE

Original invoice should be sent at GIPCL- Baroda and duplicate invoice along with challan should be sent at GIPCL-Site. (Mention the Purchase Order No. in Invoice and challan)

9) APPROVAL

The Material supplied will be subject to GIPCL approval and inspection at GIPCL-Site premises. Our decision for acceptance or rejection of the goods will be final and binding on you.

10) TRANSIT INSURANCE

The goods supplied under the contract shall be fully insured against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery to destination. Insurance is to be provided by the supplier at his cost.

11) QUANTITY OF SUPPLIED MATERIAL:

Quantity recorded at our GIPCL-Site will be taken as the basis of payment.

12) TERMINATION OF CONTRACT BY GIPCL

Supplier shall be responsible to complete the jobs within agreed time schedule and in case Supplier fails to complete the job, GIPCL shall recover from his bill, Security Deposit and / or whatsoever for expenses incurred to complete the job with additional 10% overhead charges.
In case if Supplier's services are not found satisfactory with respect to time bound completion of work, workmanship then GIPCL has right to terminate the contract at any time without assigning any reason and will make the alternate arrangement at the risk & cost of Supplier.

GIPCL may terminate the contract after due recoveries of pending jobs/damages if any of the following events occur –

i. Supplier is adjudged as insolvent.
ii. Supplier has abandoned the contract.
iii. Supplier fails to proceed with the work with due diligence as per requirements of the contract.
iv. Supplier has neglected or failed persistently to observe or perform any of the acts, matters or things, which as per the contract are to be observed and performed by the Supplier.
v. Supplier repetitively violating the safety norms for more than three incidents.
vi. Any major contradiction of applicable labour laws.
vii. Any major deviations from contractual terms and conditions including quality of job.
viii. GIPCL reserves the right to terminate the contract without giving any reason whatsoever and forfeit the PBG.

13) <u>FAILURE & TERMINATION</u>

If the SUPPLIER after receipt of written notice from the GIPCL/ ENGINEER requiring compliance, with such further drawings and / or the GIPCL /ENGINEER instructions fails within seven days to comply with the same, the GIPCL /ENGINEER may employ and pay other agencies to execute any such work whatsoever as may be necessary to give effect thereto and all costs incurred in connection therewith shall be recoverable from the SUPPLIER by the GIPCL on a certificate by the GIPCL/ENGINEER as a debt or may be deducted by him from any money due or to become due to the SUPPLIER.

If the supplier fails to execute the work or fails to mobilize the resources and equipment as per directions of GIPCL / ENGINEER within the time frame given and/or violating the GIPCL's safety rules & regulations, ENGINEER/ GIPCL shall get the work done by third party at the risk & cost of the CONTRACTOR with additional 10% overhead charges of GIPCL and all costs incurred in connection therewith shall be recoverable from the CONTRACTOR by the GIPCL /ENGINEER as a debt or may be deducted by him from any money due or to become due to the supplier.

14) <u>SETTLEMENT OF DISPUTES</u>

a. Any disputes or difference of opinion between parties arising out of the contract to the extent possible shall be settled amicably between the parties. If amicable settlement cannot be reached all the disputed issues shall be resolved through

arbitration before a Sole Arbitrator appointed by Managing Director, GIPCL according to the provisions of The Arbitration & Conciliation Act-1996, as amended from time to time. The place of arbitration shall be at Vadodara or any other place within state of Gujarat.

b. Work under the contract shall be continued by the contractor during arbitration proceedings unless GIPCL shall order suspension thereof or any part thereof in writing or unless the matter in such work cannot possibly be continued unless the decision of the Arbitration proceedings is obtained.

15) INTERPRETATION OF CLAUSE

In case of disputes as regards interpretation of any of the clauses or specification, the decision of Head of Management (HOM)-GIPCL will be final and binding on the supplier.

16) FORCE MAJEURE

The performance of the obligations herein contemplated may be suspended without incurring the penalty in the event of the subsistence of Force Majeure conditions.

If a Force Majeure situation arises, the affected Party shall promptly notify the other Party in writing of such conditions and the performance shall be suspended as per mutual agreement.
For the purposes of this clause, 'Force Majeure' means an event beyond the control of the Party and not foreseeable by the Party and shall include events of floods, explosions, riots, wars, hurricane, epidemics, any other Act of God, quarantine restrictions, terrorism, government actions and provided always that such acts result in the impossibility of the further performance of the contract.

17) INDEMNITY

The Supplier shall indemnify and keep harmless GIPCL from and against all actions, proceedings, claims, demands, losses, costs, damages and expenses whatsoever which may be brought against or suffered by GIPCL which it may sustain, pay or incur as a result of or in connection with the performance/ purported performance/ non-performance of the contract by the Supplier.

In case, in any litigation pertaining to labour employed through Supplier if any direction or order is issued by court at any point of time the Supplier shall comply with and implement such direction or order whether passed at the time of award of contract or during the pendency of contract. Further, the Supplier shall indemnify the GIPCL against all consequences arising and affecting GIPCL owing to the compliance of the orders by the Supplier.

18) GOVERNING LAW AND JURISDICTION

This tender document and contract shall be governed by the laws of India and the Courts at Vadodara shall have jurisdiction regarding the same.

SECTION-D, TECHNICAL DETAILS

1) TECHNICAL SPECIFICATIONS & PRICE BID FORMAT

Fabrication and supply of Structure of MMS for 40 MW Charanka Plot#1 Solar Project as per attached drawing and specifications.

(A) Scope of work:

1. Fabrication and supply of Structure of MMS as per attached drawing.

Sr No	Drawing No & Rev	Drawing/Building Name
01	1.S.101, Rev.R2	MMS Mounting Structure 17 x 2
02	1.S.102, Rev.R2	MMS Mounting Structure 9 x 2
03	1.S.301,Rev. R3	SMB Structure

1. You have to prepare one mock sample & supply the same to GIPCL Engineer In charge and clearance for Mass production shall be given after acceptance of sample from GIPCL Engineer In charge.
2. approved to Material: MS and shall confirms to Indian standards IS: 2062(latest standard).
3. Acceptable Raw Material Make: Jindal, TATA, JSW, AMNS ,SAIL
4. Material of Grade Fe-350 MPA for MMS and Fe-250 MPA for SMB as per drawing.
5. Applying G.I. coating by Hot - Dip Galvanizing process. Hot dip galvanizing process shall be as per IS 2629. having minimum average thickness of 80 Micron .
6. Coating thickness and Material as per attached drawing. Finished product shall confirms as per IS 4759. Galvanization shall be measured with Coating Thickness gauge or the finished material can be sent for testing laboratory if required.
7. Workmanship and Finish: Final product shall be free from any defect like nicks or dents, bends, burs etc. Dimension should be maintained strictly as per drawing only. It should be straight and bending/twisting will not be allowed. Cutting edges should be smooth finish.
8. Successful bidder shall have to furnish AutoCAD drawing for verification before starting manufacturing.
9. Hot Deep G.I. Fasteners Grade – 4.6

(B) Inspection stage:

Bidder shall offer inspection at following different manufacturing stages.

1. One mock Sample: You have to prepare one mock sample & supply the same to GIPCL Engineer In charge and clearance for Mass production shall be given after acceptance of sample from GIPCL Engineer In charge
2. Finished Structure inspection before dispatch.
3. MMS final weight shall be carried out at Manufacture nearby weigh bridge premises in presence of GIPCL Engineer In charge and Vendor. Weigh bridge payment charges shall be bear by vendor and weight slip shall be attached with invoice.

Bidder to inform3 to 4 days advance for inspection to GIPCL.

(C) Test certificate:

Vendor shall submit (i) raw -material test certificate, (ii) G.I. Thickness measurement report for Hot Deep Material.

(D) Delivery location:

Delivery required at GIPCL 40 MW Plot#1 Charanka Solar Plant, Village-Charanka, Dist.- Patan, Gujarat. Unloading of MMS at Charanka Solar Plant is also in Vendor scope.

(E) Unloading at Site:

- Unloading of MMS material including arranging Hydra /crane etc is in Vendor scope.

(F) Weighment Tolerance Clause:

Weighment shall be carried out at the weighbridge located near the manufacturer's premises in the presence of the GIPCL Engineer-in-Charge and the Vendor's representative. The weighment recorded at the said weighbridge shall be considered. A weighbridge tolerance of ±0.5% per tanker/truck shall be permissible.

(G) Quantity Tolerance :-

Quantity variation of ±10% shall be acceptable.

G. **Technical Data Sheet to be filled By Bidder and submitted along with Technical Bid**

Item Description	Specification/Requirement	Bidder Data/Confirmation
Galvanized Plain Sheet with a zinc coating for MMS	GP Coil 270 GSM	
Make of Material for Galvanized Plain Sheet with a zinc coating	Jindal, TATA, JSW , ArcelorMittal Nippon Steel, SAIL	
Make of Raw Material for HDG	Jindal, TATA, JSW , ArcelorMittal Nippon Steel, SAIL	
Thickness of G.I. coating by Hot - Dip Galvanizing process	Minimum 80 Mircon	
R00109098 - MMS COLUMN-NEW DESIGN	COLUMN SIZE: "C" 20 X 100 X 100 X 100 X 20 X 2 MM THICKNESS, MATERIAL: GP COIL 270 GSM MINIMUM, STRENGTH: 350.Length:2625mm	
R00109099 - MMS COLUMN CONNECTOR-NEW DESIGN	COLUMN CONNECTOR SIZE: "C" 20 X 80 X 80 X 80 X 20 X 1.2 MM THICKNESS, MATERIAL: GP COIL 270 GSM MINIMUM, STRENGTH: 350.Length:2000mm	
R00109100 - MMS RAFTER-NEW DESIGN	RAFTER SIZE: "C" 20 X 50 X 120 X 50 X 20 X 2 MM THICKNESS, MATERIAL: GP COIL 270 GSM MINIMUM, STRENGTH: 350.Length:3843mm	

R00109101 - MMS BRACING-1-NEW DESIGN	NEW DESIGN BRACING-1 SIZE: "C" 15 X 50 X 50 X 50 X 15 X 3 MM THICKNESS, MATERIAL: GP COIL 270 GSM MINIMUM, STRENGTH: 350.Length:1312mm	
R00109102 - MMS BRACING-2-NEW DESIGN	NEW DESIGN BRACING-1 SIZE: "C" 15 X 50 X 50 X 50 X 15 X 3 MM THICKNESS, MATERIAL: GP COIL 270 GSM MINIMUM, STRENGTH: 350.Length:2192mm	
R00109103 - MMS PURLIN-1-NEW DESIGN	NEW DESIGN PURLIN-1 SIZE: "C" 20 X 50 X 80 X 50 X 20 X 2 MM THICKNESS, MATERIAL: GP COIL 270 GSM MINIMUM, STRENGTH: 350.Length:6000	
R00109104 - MMS PURLIN-2-NEW DESIGN	NEW DESIGN PURLIN-1 SIZE: "C" 20 X 50 X 80 X 50 X 20 X 2 MM THICKNESS, MATERIAL: GP COIL 270 GSM MINIMUM, STRENGTH: 350.Length:6000mm	
R00109105 - MMS PURLIN-3-NEW DESIGN	2 mm GP Coil 270 GSM	
R00109106 - MMS PURLIN-4-NEW DESIGN	2 mm GP Coil 270 GSM	
R00109107 - MMS COLUMN TIE-NEW DESIGN	2 mm GP Coil 270 GSM	

R00109108 - MMS CONNECTION PLATE-NEW DESIGN	Plate Thickness of 5 mm with min. 80 micron HDG	
R00109109 - MMS PURLIN CONNECTOR-NEW DESIGN	Plate Thickness of 5 mm with min. 80 micron HDG	
R00109110 - MMS PULIN CLEAT-NEW DESIGN	Plate Thickness of 5 mm with min. 80 micron HDG	
R00109115 - SMB Column C1	ISMC 100 of thickness 5 mm with min. 80 micron HDG, Strength : 250	
R00109116 - SMB Brace ISMC100	ISMC 100 of Thickness 5 mm with min. 80 micron HDG, Strength : 250	
R00109117 - SMB canopy Member 1	ISMC 150 of Thickness 5.7 mm with min. 80 micron HDG, Strength : 250	
R00109118 - SMB support Angle	ISA 50x50x5 with min. 80 micron HDG, Strength : 250	
R00109114 - MMS PURLIN-2-NEW DESIGN for 2PX9	NEW DESIGN PURLIN-1 SIZE: "C" 20 X 50 X 80 X 50 X 20 X 2 MM THICKNESS, MATERIAL: GP COIL 270 GSM MINIMUM, STRENGTH: 350.Length:1652mm	
R00109119 - MMS PURLIN-1-NEW DESIGN 2PX9	NEW DESIGN PURLIN-1 SIZE: "C" 20 X 50 X 80 X 50 X 20 X 2 MM THICKNESS, MATERIAL: GP COIL 270 GSM MINIMUM, STRENGTH: 350.Length:6000	

R00109111 - MMS BOLT, NUT, DOUBLE PLAIN WASHER AND SPRING WASHER -1, SIZE: 12 MM DIA, 60 MM LENGTH, MATERIAL: HOT DIP GI, STRENGTH: 4.8 GRADE	HDG Grade 4.6 Bolt of Size : M12x60 mm with 01 Nos. Nut, 02 Nos. Plain washer, 1 nos. Spring washer	
R00109112 - MMS BOLT, NUT, DOUBLE PLAIN WASHER AND SPRING WASHER -2 SIZE: 8 MM DIA, 60 MM LENGTH, MATERIAL: HOT DIP GI, STRENGTH: 4.8 GRADE	HDG Grade 4.6 Bolt of Size : M8 x 60 mm with 01 Nos. Nut, 02 Nos. Plain Washer and 02 Nos. Spring Washer	
R00109120 - ROD PLAIN	Solid ROD of OD 8mm X 150 mm long, HDG min. 80 micron	
R00109121 - Color coated Sheet GP 0.7	Size:1510X1550X0.7 mm, PREGALVANIZE, IS 277	
IS277 - For GI Sheet		
IS 2062 – Structural Steel		
IS 2629 : Practice for HDG		
IS 1367 – Fasteners		
IS 2016 - Plain washer		
COMPANY SEAL		
SIGNATURE-----		
NAME-------		

DESIGNATION---		
COMPANY----		
DATE ----		

PRICE BID FORMAT FOR SUPPLY OF SOLAR STRUCTURE (MMS)

Sr No	Item Code	Description	Qty in (KG/No.)	Unit Rate (Rs.)	GST (%)	Landed Cost
1.	R00109098	MMS COLUMN-NEW DESIGN	6,240			
2.	R00109099	MMS COLUMN CONNECTOR-NEW DESIGN	2,350			
3.	R00109100	MMS RAFTER-NEW DESIGN	6,982			
4.	R00109101	MMS BRACING-1-NEW DESIGN	2,338			
5.	R00109102	MMS BRACING-2-NEW DESIGN	3,906			
6.	R00109103	MMS PURLIN-1-NEW DESIGN	3,956			
7.	R00109104	MMS PURLIN-2-NEW DESIGN	3,956			
8.	R00109105	MMS PURLIN-3-NEW DESIGN	1,090			
9.	R00109106	MMS PURLIN-4-NEW DESIGN	3,956			
10.	R00109107	MMS COLUMN TIE-NEW DESIGN	1,429			
11.	R00109108	MMS CONNECTION PLATE-NEW DESIGN	1,120			
12.	R00109109	MMS PURLIN CONNECTOR-NEW DESIGN	814			
13.	R00109110	MMS PULIN CLEAT-NEW DESIGN	1,887			
14.	R00109115	SMB Column C1	574			
15.	R00109116	SMB Brace ISMC100	243			
16.	R00109117	SMB canopy Member 1	521			
17.	R00109118	SMB support Angle	114			
18.	R00109114	MMS PURLIN-2-NEW DESIGN for 2PX9	1,708			
19.	R00109119	MMS PURLIN-1-NEW DESIGN 2PX9	2,310			

20.	R00109111	MMS BOLT, NUT, DOUBLE PLAIN WASHER	21,000.00			
21.	R00109112	MMS BOLT, NUT, DOUBLE PLAIN WASHER	9,000.00			
22.	R00109120	ROD PLAIN	80.00			
23.	R00109121	Color coated Sheet GP 0.7	10.00			

1. **All above prices shall be quoted through online (n)-Procure only; Hard copy of price bid shall not be considered/accepted. Bids indicating prices in Hard copy/Technical bid is liable for rejection.**

2. **Prices shall remain Firm throughout the Contract.**

3. **Statutory variation if any in only finished supplied goods shall be re-imbrued on submission of documentary proof for material supplied within schedule delivery time limit of contract. No Statutory variation will be payable beyond supply schedule as per contract.**

SECTION-E

1.0 ANNEXURE-A

PROFORMA FOR BANK GUARANTEE FOR EARNEST MONEY DEPOSIT

(To be executed on non-judicial stamped paper of appropriate value)

B.G. No _____ Date : _

1. WHEREAS M/s.Gujarat Industries Power Company Limited having its Corporate Office at PO: RANOLI, Dist.Vadodara – 391 350, Gujarat State, India (hereinafter called "The Company Owner" which expression shall unless repugnant to the subject or context includes its legal representatives, successors and assigns) has issued tender paper vide its Tender No……for ---------- ---------- (hereinafter called "the said tender") to M/s. ……(hereinafter called the said Tenderer(s)" which expression shall unless repugnant to the subject or context includes their legal representatives, successors and assigns and as per terms and conditions of the said tender, the tenderer shall submit a Bank guarantee for Rs……. (Rupees ……..only) towards earnest money in lieu of cash.

2. We ……..Bank having its branch office at …… do hereby undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Company stating that in the opinion of the company which is final and binding, the amount claimed is due because of any withdrawal of the tender or any material alteration to the tender after the opening of the tender by way of any loss or damage caused to or would be caused or suffered by the Company by reason of any breach by the said tenderer(s) of any of the terms and conditions contained in the said tender or failure to accept the letter of Intent Agreement or that the amount covered under this Guarantee is forfeited. Any such demand made on the Bank by the owner shall be conclusive as regards the amount due and payable by the Bank under this guarantee, However, our liability under this guarantee shall be restricted to an amount not exceeding Rs……..(Rupees…….only).

3. We undertake to pay to the Company any money so demanded not withstanding any dispute or disputes raised by the tenderer (s) in any suit or proceeding pending before any office, court or tribunal relating thereto our liability under this present guarantee being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under. Our liability to pay is not dependent or conditional on the owner proceeding against the tenderer.

4. The guarantee herein contained shall not be determined or affected or suspended by the liquidation or winding up, dissolution or change of constitution or insolvency of the said tenderer(s) but shall in all respect and for all purposes be binding and operative until payment of all money due or liabilities under the said contract(s)/ Order(s) are fulfilled.

5. The Bank further unconditionally agrees with Gujarat Industries Power Company Limited (GIPCL) that Gujarat Industries Power Company Limited (GIPCL) shall be at liberty, without the Bank's consent and without affecting in any manner the Bank's obligation under this Guarantee, from time to time, to:
   a. Vary and / or modify any of the terms and conditions of the Agreement.
   b. Extend and / or postpone the time for performance of the obligations of the Contractor under the Agreement.
   c. Forbear or enforce any of the rights exercisable by Gujarat Industries Power Company Limited (GIPCL) against the Contractor under the terms and conditions of the Agreement.

6. This guarantee shall be in addition to and not in substitution or in derogation of any other security held by Gujarat Industries Power Company Limited (GIPCL) to secure the performance of the obligations of the Contractor under the Agreement.

7. No action, event or condition, which by any Applicable Law should operate to discharge the Bank from liability hereunder, shall have any effect and the Bank hereby waives any right it may have to apply such law, so that in all respects its liability hereunder shall be irrevocable and, except as stated herein, unconditional in all respects.

8. We ……..Bank Ltd. further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the finalization of the said tender and that it shall continue to be enforceable till the said tender is finally decided and order placed on the successful tenderer(s) and or till all the dues of the company under or by virtue of the said tender have been fully paid and its claims satisfied or discharged or till a duly authorized officer of the company certifies that the terms and conditions of the said tender have been fully and properly carried out by the said tenderer (s) and accordingly discharges the guarantee.

9. That the Owner Company will have full liberty without reference to us and without affecting this guarantee to postpone for any time or from time to time the exercise of any of the power of the owner under the tender.

10. Notwithstanding anything contained herein before, our liability shall not exceed Rs……. (Rupees……..only) and shall remain in force till…….. (Date to be filled up shall be 180 days from the date of submission of Bid).

Date…….

…… Bank
Corporate Seal of the Bank
By its constitutional Attorney

Signature of duly Authorized person
On behalf of the Bank

With Seal & Signature code

Bidder shall submit PBG from below mentioned banks only. Banks other than below mentioned list are not Allowed.

- All Nationalized Banks, Axis Bank, ICICI Bank, HDFC Bank, Kotak Mahindra Bank, IndusInd Bank, Federal Bank, Bandhan Bank, IDBI Bank, Karur Vysya Bank

2.0 ANNEXURE-B

PROFORMA FOR CONTRACT SECURITY-CUM-PERFORMANCE GUARANTEE BY SELLER / CONTRACTOR.

(To be executed on non-judicial stamped paper of approximate value)

B.G. No._____ Date : _____

1. WHEREAS Gujarat Industries Power Company Limited having its office at PO: RANOLI, Dist. Vadodara – 391 350, Gujarat State, India (hereinafter referred to as "The Company/Owner" which expressions shall unless repugnant to the subject or context includes its legal representatives, successors and assigns) has entered into a contract with M/s. ……../ has placed a purchase order on M/s……(hereinafter referred to as "Contractor(s)/ Seller(s)" which expression shall unless repugnant to the subject or context includes their legal representatives, successors and assigns) for ……on the terms and conditions as set out inter alia, in the Company'scontract No./ P.O.No……...date ……and various documents forming part thereof hereinafter referred to as the "said contract" which expression include all amendments, modifications and/ or variations thereto and where as the Contractor(s)/ Seller(s) has agreed for due execution of the entire contract and guarantees its performance including any parts executed through any other agencies/ subcontractors

   AND WHEREAS one of the conditions of the "said contract" is that "contractor(s)/seller(s) shall furnish to the owner a Bank Guarantee from a bank for ….% (…….percent) of the total value of the "said contract" against due and faithful performance of the "said contract"including performance guarantee obligations of the contractor(s)/seller(s) for execution/ supplies made under the "said contract."

2. We ……Bank having its branch office at ……..……..do hereby agree and undertake to pay the amount due and payable under this guarantee without any demur merely on a demand from the Company stating that in the opinion of the Company, which is final & binding, the amount claimed is due by reason of default made by the Contractor(s)/ Seller(s) in performing any of the terms & conditions of the said Contract including defect liability obligations, in fulfilling the performance guarantee obligation or loss or damage caused to or would be caused to or suffered by the Company by reason of any breach by the said Contractor (s)/ Seller(s) of any of the terms & conditions of the contract. Any such demand made on the Bank by the owner shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However our liability under this guarantee shall be restricted to Rs. ……(Rupees……only).
3. We undertake to pay to the Company any money so demanded not withstanding any dispute or disputes raised by the contractor(s)/ Seller(s) in any suit or proceeding pending before any office, court or tribunal relating thereto our liability under this present guarantee being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under. Our liability to pay is not dependent or conditional on the owner proceeding against the Contractor(s)/ Seller(s).

4. The guarantee herein contained shall not be determined or affected or suspended by the liquidation or winding up, dissolution or change of constitution or insolvency of the said Contractor(s)/ Seller(s) but shall in all respect and for all purposes be binding and operative until payment of all money due or liabilities under the said contract(s)/ Order(s) are fulfilled.

5 The Bank further unconditionally agrees with Gujarat Industries Power Company Limited (GIPCL) that Gujarat Industries Power Company Limited (GIPCL) shall be at liberty, without the Bank's consent and without affecting in any manner the Bank's obligation under this Guarantee, from time to time, to:
a. Vary and / or modify any of the terms and conditions of the Agreement.
b. Extend and / or postpone the time for performance of the obligations of the Contractor under the Agreement.
c. Forbear or enforce any of the rights exercisable by Gujarat Industries Power Company Limited (GIPCL) against the Contractor under the terms and conditions of the Agreement.

6. This guarantee shall be in addition to and not in substitution or in derogation of any other security held by Gujarat Industries Power Company Limited (GIPCL) to secure the performance of the obligations of the Contractor under the Agreement.

7. No action, event or condition, which by any Applicable Law should operate to discharge the Bank from liability hereunder, shall have any effect and the Bank hereby waives any right it may have to apply such law, so that in all respects its liability hereunder shall be irrevocable and, except as stated herein, unconditional in all respects.

8. This guarantee will remain valid up _____ days or _____ whichever is earlier. The Bank undertakes not to revoke this guarantee during its currency without previous consent of the OWNER/PURCHASER and further agrees that if this guarantee is extended for a period as mutually agreed between bidder & owner/purchaser, the guarantee shall be valid for a period so extended provided that a written request for such extension is received before the expiry of validity of guarantee.

9. We ……Bank further agree with the Company that the company shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Contract(s)/ Order(s) or to extend the time of performance by the said Contractor(s) Seller(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Company against the said Contractor(s)/ Seller(s) and to forbear or enforce any of the terms and conditions relating to the said Contract(s)/ Order(s) and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor (s) / Seller(s) or for any forbearance, act or omission on the part of the Company or any indulgence by the Company to the said Contractor(s)/ Seller(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this

provision, have affect of so relieving us.

10. Notwithstanding anything contained herein before, our liability shall not exceed Rs……..(Rupees……only) and shall remain in force till..……..Unless a demand or claim under this Guarantee is made on us within three months from the date of expiry we shall be discharged from all the liabilities under this guarantee.

Date…….

Corporate Seal of the Bank

……Bank

By its constitutional Attorney
Signature of duly Authorized person
On behalf of the Bank
With Seal & Signature code

Note: BGs to be furnished from any of the banks listed at Annexure -VI of Volume I.

Bidder shall submit BG from below mentioned banks only. Banks other than below mentioned list are not Allowed.

- All Nationalized Banks, Axis Bank, ICICI Bank, HDFC Bank, Kotak Mahindra Bank, IndusInd Bank, Federal Bank, Bandhan Bank, IDBI Bank, Karur Vysya Bank

3.0 ANNEXURE-C

Schedule of Deviation from Technical Specification and Commercial Terms and Conditions

All the deviations from the terms & conditions of contract shall be filled by BIDDER clause by clause in this schedule.

Sr. No	SECTION	CLAUSE NO	AS PER TENDER DOCUMENT	DEVIATION
COMPANY SEAL				
SIGNATURE-----				
NAME-------				
DESIGNATION---				
COMPANY----				
DATE ----				

The bidder here by certifies that the above mentioned are the only deviations from OWNER's Tender enquiry. The bidder further confirms that in the events any other data and information presented in the BIDDER's proposal and accompanying documents are at variance with specific requirements laid out in the OWNER's Tender Document, then the latter shall govern and will be binding on the BIDDER for quoted price.

4.0 ANNEXURE- D

Declaration for Contractual Litigations

(To be submitted on Company's Letter Head)

Please Tick (√) whichever is correct option

I _____ on behalf of ……Name of Party/Company……..hereby confirm that I /We have

a. Not invoked legal recourse e.g. litigation against any Govt, of Gujarat Undertakings / Depts. / Authorities and Govt. of Gujarat supported companies / undertakings / organizations for the last three(03) years. There are no ongoing/pending legal matter(s) with any of the Govt. of Gujarat Undertakings / GoG supported Companies, including GIPCL.

Please Tick( )

OR

b. Invoked legal recourse e.g. litigation against any Govt, of Gujarat Undertakings / Depts. / Authorities and Govt. of Gujarat supported companies / undertakings / organizations for the last three(03) years.

Please Tick( )

If **"b"** is applicable, please submit the details for the same.

The above is true, as on date, to the best of my knowledge. Any breach/ false statement in this regard shall amount to disqualification of the Bid being submitted herein.

Signed and Stamped by the

Authorized Signatory

Of the Bidder

5.0 ANNEXURE- E

PARTICULARS OF THE BIDDER

Sr. No.	Particulars	Please provide information here.
1.	Name of Bidder	
2.	a. Registered Office Address: b. Address for Correspondence: c. E-mail ID:	
3.	Contact Details: Contact Person Name Telephone No. : Mobile No.:	
4.	Year of establishment PAN No. GST No	

COMPANY SEAL

SIGNATURE ……

NAME ……

DESIGNATION ……..

COMPANY ……

DATE ……..

6.0 ANNEXURE- F

PROCEDURE FOR MAKING ONLINE PAYMENT OF EMD/TENDER FEE

1. For making online payment, first go to the website: www.gipcl.com

2. Then, click on the caption/link as can see like:

   "Click here for Making Online Payment of EMD/SD, Advance for Ash, DM water etc."
   (The link is visible as horizontal highlighted below Tenders - News & Update Section.)

3. After clicking the link the new page will open. On this page, No need to enter User Name and Password. Directly click on " Payment Form" given below the sign in option.

4. After clicking the "Payment Form", the vendor has to enter the details asked which will be self explanatory. It is desired that all the information may be filled correctly so that the payment made can be tracked.

   If the some required fields are not known/available, vendor may write "Not Available" and then proceed. E.g. some information like Party code is not available to vendor or GST No. not available with vendor.

   Optional Note: Although mentioned as above can be proceeded with "Not available", It will be appreciated that regular vendors may obtain the party code, so that the vendor can be identified. The same party code may be used for future transactions also. After entering the details, click on SUBMIT Button.

5. The vendor/Party will be redirected to Payment Gateway. By selecting the desired payment mode, payment can be made:

6. After making the payment, the receipt will be generated which has to be submitted with technical bid.

   Important Note: Please note that for making online payment through the above gateway, the charges* as below will be applicable, which has to be borne by Vendor/Party making the Payment:

Payment Mode	Charges
Net Banking	Rs.9 + GST
Debit Card	NIL
Credit Card	0.75% + GST
International Card	3.00% + GST
UPI	NIL

GUJARAT INDUSTRIES POWER COMPANY LIMITED

S.no	Item Code	Item Description	UOM	Qty
01	R00109098	MMS COLUMN-NEW DESIGN	KG	6,240.00
		NEW DESIGN COLUMN SIZE: "C" 20 X 100 X 100 X 100 X 20 X 2 MM THICKNESS, MATERIAL: GP COIL 270 GSM MINIMUM, STRENGTH: 350.Length:2625mm		
		Item Text: For 2PX9 and 2PX17 design. As per Annexure-1.Delivery at charanka.		
02	R00109099	MMS COLUMN CONNECTOR-NEW DESIGN	KG	2,350.00
		NEW DESIGN COLUMN CONNECTOR SIZE: "C " 20 X 80 X 80 X 80 X 20 X 1.2 MM THICKNESS, MATERIAL: GP COIL 270 GSM MINIMUM, STRENGTH:##350.Length:200		
		Item Text: For 2PX9 and 2PX17 design. As per Annexure-1.Delivery at charanka.		
03	R00109100	MMS RAFTER-NEW DESIGN	KG	6,982.00
		NEW DESIGN RAFTER SIZE: "C" 20 X 50 X 120 X 50 X 20 X 2 MM THICKNESS, MATERIAL: GP COIL 270 GSM MINIMUM, STRENGTH: 350.Length:3843mm		
		Item Text: For 2PX9 and 2PX17 design. As per Annexure-1.Delivery at charanka.		

S.no	Item Code	Item Description	UOM	Qty
04	R00109101	MMS BRACING-1-NEW DESIGN	KG	2,338.00
		NEW DESIGN BRACING-1 SIZE: "C" 15 X 50 X 50 X 50 X 15 X 3 MM THICKNESS, MATERIAL: GP COIL 270 GSM MINIMUM, STRENGTH: 350.Length:1312mm		
		Item Text: For 2PX9 and 2PX17 design. As per Annexure-1.Delivery at charanka.		
05	R00109102	MMS BRACING-2-NEW DESIGN	KG	3,906.00
		NEW DESIGN BRACING-1 SIZE: "C" 15 X 50 X 50 X 50 X 15 X 3 MM THICKNESS, MATERIAL: GP COIL 270 GSM MINIMUM, STRENGTH: 350.Length:2192mm		
		Item Text: For 2PX9 and 2PX17 design. As per Annexure-1.Delivery at charanka.		
06	R00109103	MMS PURLIN-1-NEW DESIGN	KG	3,956.00
		NEW DESIGN PURLIN-1 SIZE: "C" 20 X 50 X 80 X 50 X 20 X 2 MM THICKNESS, MATERIAL: GP COIL 270 GSM MINIMUM, STRENGTH: 350.Length:6000		
		Item Text: For 2PX17 design. As per Annexure-1.Delivery at charanka.		
07	R00109104	MMS PURLIN-2-NEW DESIGN	KG	3,956.00
		NEW DESIGN PURLIN-1 SIZE: "C" 20 X 50 X 80 X 50 X 20 X 2 MM THICKNESS, MATERIAL: GP COIL 270 GSM MINIMUM, STRENGTH: 350.Length:6000mm		
		Item Text: For 2PX17 design. As per Annexure-1.Delivery at charanka.		

S.no	Item Code	Item Description	UOM	Qty
08	R00109105	MMS PURLIN-3-NEW DESIGN	KG	1,090.00

NEW DESIGN PURLIN-1 SIZE: "C" 20 X 5
0 X 80 X 50 X 20 X 2 MM THICKNESS,
MATERIAL: GP COIL 270 GSM MINIMUM,
STRENGTH: 350.Length:1652mm

Item Text: For 2PX17 design. As per Annexure-1.Delivery at charanka.

09	R00109106	MMS PURLIN-4-NEW DESIGN	KG	3,956.00

NEW DESIGN PURLIN-1 SIZE: "C" 20 X 5
0 X 80 X 50 X 20 X 2 MM THICKNESS,
MATERIAL: GP COIL 270 GSM MINIMUM,
STRENGTH: 350.Length:6000mm

Item Text: For 2PX17 design. As per Annexure-1.Delivery at charanka.

10	R00109107	MMS COLUMN TIE-NEW DESIGN	KG	1,429.00

NEW DESIGN COLUMN TIE SIZE: "C" 15 X
50 X 50 X 50 X 15 X 2 MM THICKNESS,
MATERIAL: GP COIL 270 GSM MINIMUM,
STRENGTH: 350.Length:3345mm

Item Text: For 2PX9 and 2PX17 design. As per Annexure-1.Delivery at charanka.

11	R00109108	MMS CONNECTION PLATE-NEW DESIGN	KG	1,120.00

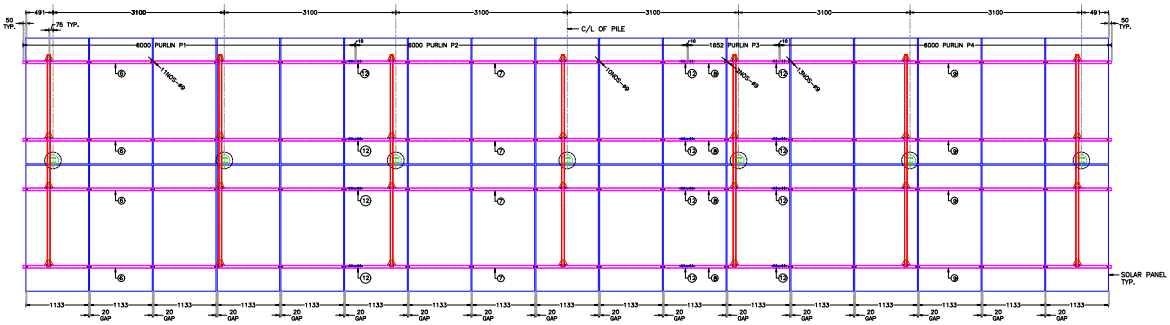
NEW DESIGN CONNECTION PLATE SIZE: 40
0 X 100 X 5 MM THICKNESS, MATERIAL:
HOT DIP GI, STRENGTH: 350

Item Text: For 2PX9 and 2PX17 design. As per Annexure-1.Delivery at charanka.

S.no	Item Code	Item Description	UOM	Qty
12	R00109109	MMS PURLIN CONNECTOR-NEW DESIGN	KG	814.00
		NEW DESIGN PURLIN CONNECTOR SIZE: 27 0 X 70 X 5 MM THICKNESS, MATERIAL: HOT DIP GI,STRENGTH: 350		
		Item Text: For 2PX9 and 2PX17 design. As per Annexure-1.Delivery at charanka.		
13	R00109110	MMS PULIN CLEAT-NEW DESIGN	KG	1,887.00
		NEW DESIGN PURLIN CLEAT SIZE: 150 X (80+100) X 5 MM THICKNESS, MATERIAL: HOT DIP GI, STRENGTH: 350		
		Item Text: For 2PX9 and 2PX17 design. As per Annexure-1.Delivery at charanka.		
14	R00109115	SMB Column C1	KG	574.00
		ISMC 100,HOT DIP GI 120 GSM, STRENGT H:250,LENGTH:3000 MM		
		Item Text: Materials are require for SMB installation.AS per Annexure-3 Delivery at Charanka.		
15	R00109116	SMB Brace ISMC100	KG	243.00
		ISMC 100,HOT DIP GI 120 GSM, STRENGT H:250,LENGTH:636MM		
		Item Text: Materials are required for SMB installation.AS per Annexure-3 Delivery at Charanka.		
16	R00109117	SMB canopy Member 1	KG	521.00
		ISMC 150,HOT DIP GI 120 GSM, STRENGT H:250,LENGTH:1550MM		
		Item Text: Materials are required for SMB installation.As per Annexure-3. Delivery		

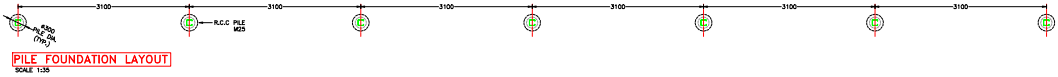
S.no	Item Code	Item Description	UOM	Qty
17	R00109118	SMB support Angle ISA 50X50X5 mm,HOT DIP GI 120 GSM, S TRENGTH:250,LENGTH:1500MM Item Text: Materials are required for SMB installation.As per Annexure-3. Delivery at Charanka.	KG	114.00
18	R00109114	MMS PURLIN-2-NEW DESIGN for 2PX9 NEW DESIGN PURLIN-1 SIZE: "C" 20 X 5 0 X 80 X 50 X 20 X 2 MM THICKNESS, MATERIAL: GP COIL 270 GSM MINIMUM, STRENGTH: 350.Length:4447mm## Item Text: Materials are required for 2PX9 Design.As per Annexure-2.	KG	1,708.00
19	R00109119	MMS PURLIN-1-NEW DESIGN 2PX9 NEW DESIGN PURLIN-1 SIZE: "C" 20 X 5 0 X 80 X 50 X 20 X 2 MM THICKNESS, MATERIAL: GP COIL 270 GSM MINIMUM, STRENGTH: 350.Length:6000 Item Text: Materials are required for 2PX9 Design.As per Annexure-2.	KG	2,310.00
20	R00109111	MMS BOLT, NUT, DOUBLE PLAIN WASHER AND NEW DESIGN BOLT, NUT, DOUBLE PLAIN W ASHER AND SPRING WASHER -1 SIZE: 12 MM DIA, 60 MM LENGTH, MATERIAL: HOT DIP GI, STRENGTH: 4.8 GRADE Item Text: For 2PX9 and 2PX17 design. As per Annexure-1.Delivery at charanka.	NO	21,000.00

S.no	Item Code	Item Description	UOM	Qty
21	R00109112	MMS BOLT, NUT, DOUBLE PLAIN WASHER AND NEW DESIGN BOLT, NUT, DOUBLE PLAIN W ASHER AND SPRING WASHER -2 SIZE: 8 MM DIA, 60 MM LENGTH, MATERIAL: HOT DIP GI, STRENGTH: 4.8 GRADE Item Text: For 2PX9 and 2PX17 design. As per Annexure-1.Delivery at charanka.	NO	9,000.00
22	R00109120	ROD PLAIN OD 8mmX 150mm,HDG 100 Mic Avg, Item Text: Materials are required for SMB installation.As per Annexure-3. Delivery at Charanka.	NO	80.00
23	R00109121	Color coated Sheet GP 0.7 Size:1510X1550X0.7 mm, PREGALVANIZE, IS 277 Item Text: Materials are required for SMB installation.As per Annexure-3. Delivery at Charanka.	NO	10.00



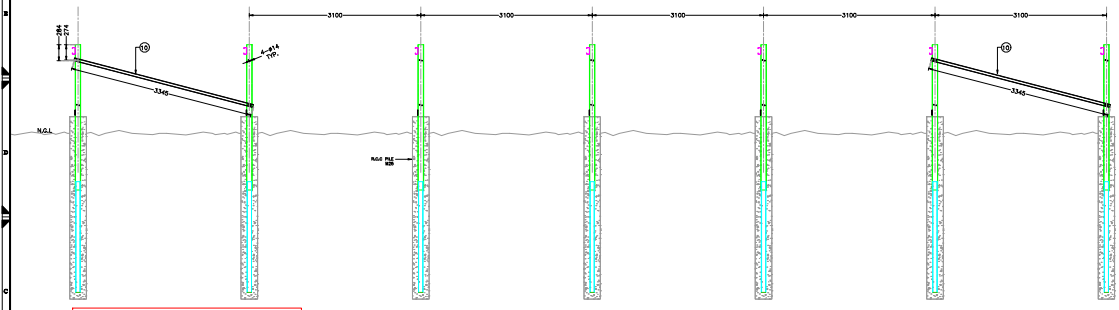
TOP FOLDED VIEW PLAN FOR (17X2)

SCALE 1:35



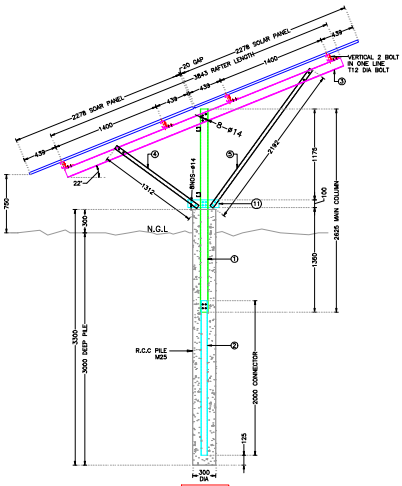
PILE FOUNDATION LAYOUT

SCALE 1:35



FRONT SIDE ELEVATION FOR BRACING

SCALE 1:35



SIDE VIEW

SCALE 1:25

ALL STRUCTURE TO BE USED SHALL BE DESIGNED FOR SOLAR PANEL AS MARKED

NUMBER	MEMBER	SIZE	MATERIAL	COATING	STRENGTH	LENGTH (MM)	QUANTITY (NOS)	WEIGHT PER UNIT QUANTITY PER METER	TOTAL WEIGHT (KG)
1	COLUMN	"C" 200X100X100X100X20X 2.00 MM TK	GP COIL 270 GSM	-	350	2625	7	5.39	97.5
2	COLUMN CONNECTOR	"C" 200X80X80X80X20X 1.20 MM TK	GP COIL 270 GSM	-	350	2000	7	2.62	36.7
3	RAFTER	"C" 200X50X120X50X20X 2.0 MM TK	GP COIL 270 GSM	-	350	3843	7	4.06	109.1
4	BRACING 1	"C" 15X50X50X50X15X 3.0 MM TK	GP COIL 270 GSM	-	350	1212	7	3.98	26.5
5	BRACING 2	"C" 15X50X50X50X15X 3.0 MM TK	GP COIL 270 GSM	-	350	2192	7	3.98	61.0
6	PURLIN 1	"C" 20X50X80X50X20X 2.0 MM TK	GP COIL 270 GSM	-	350	6000	4	3.43	82.4
7	PURLIN 2	"C" 20X50X80X50X20X 2.0 MM TK	GP COIL 270 GSM	-	350	6000	4	3.43	82.4
8	PURLIN 3	"C" 20X50X80X50X20X 2.0 MM TK	GP COIL 270 GSM	-	350	1652	4	3.43	22.7
9	PURLIN 4	"C" 20X50X80X50X20X 2.0 MM TK	GP COIL 270 GSM	-	350	6000	4	3.43	82.4
10	COLUMN TIE	"C" 15X50X50X50X15X 2.0 MM TK	GP COIL 270 GSM	-	350	3345	2	2.81	18.8
11	LOWER JUNCTION PLATE	400X100X5 MM TK	HOT DEEP GI	-	350	-	7	6.90	17.3
12	PURLIN CONNECTOR	270X70X5 MM TK	HOT DEEP GI	-	350	-	12	1.18	14.2
13	PURLIN CLEAT	150X80+100X5 MM TK	HOT DEEP GI	-	350	-	28	1.85	29.5
								TOTAL WEIGHT	690.5
14	BOLT	12 MM DIA	HOT DEEP GI		4.8 GRADE	60 MM	328 NOS		
15	BOLT	8 MM DIA	HOT DEEP GI		4.8 GRADE	60 MM	136 NOS		

FIRST ONE MOCK SAMPLE TO BE MADE. IF IT IS APPROVED FORM ENGINEER INCHARGE THEN ONLY SHALL BE GONE INTO MASS PRODUCTION

GENERAL NOTES:-

1. ALL DIMENSIONS ARE IN m.m/Meter AND ALL LEVELS ARE IN Meter UNLESS AND OTHERWISE SPECIFIED.
2. GRADE OF ALL STEEL PLATE SHALL BE OF Fe-350 MPA UNLESS AND OTHERWISE SPECIFIED.
3. GRADE OF ALL HOT ROLLED SECTION (ISMB/ISMC/ ISA) SHALL BE OF Fe-350 MPA UNLESS AND OTHERWISE SPECIFIED.
4. GRADE OF ALL PIPE AND TUBE SECTION (RHS/SHS/CHS) SHALL BE OF GRADE Fe-350 MPA UNLESS AND OTHERWISE SPECIFIED.
5. ALL WELD TO BE 6mm FILLET WELD UNLESS SPECIFIED OTHERWISE.
6. ALL BOLTS SHALL BE OF 8.8 GRADE, UNLESS SPECIFIED.
7. BEFORE COMMENCING FABRICATION THE CONTRACTOR SHALL VERIFY ALL DIMENSION AT SITE INCLUDING CLEARANCE IF ANY.
8. DURING ERECTION, CONTRACTOR SHALL TAKE FULL PERCAUTIONS TO SUPPORT OR TIE ALL MEMBERS UNTIL FINAL GROUTING /WELDING OR BOLTING AT JOINT WILL COMPLETED AS PER DRAWING.
9. IN CASE OF DISCREPANCY IN MEMBER SIZE SHOWN IN GENERAL ARRANGEMENT AND FABRICATION DRAWING, FABRICATION DRAWING SHALL BE GOVERNING CRS.
10. AFTER MAKING PUNCH HOLE IN PRE-COATED SHEET, ALL EDGE TO BE REPAINTED TO AVOIDE CORROSION FROM THAT PUNCHING SURFACE.
11. HOLES, WHERE'VER REQUIRED SHALL BE MADE BY DRILLING AND HOLES MADE BY GAS CUTTING SHALL NOT BE ALLOWED.
12. PROVIDE WASHER UNDER ALL NUTS AND BOLTS HEADS WHERE THE HEADS WHERE NOT EMBEDDED.
13. ALL STRUCTURAL STEEL WORK SHALL CONFIRM TO FOLLOWING STANDARDS.
- FOR STRUCTURAL STEEL(QUALITY):- IS:2062
- FOR METAL ARC WELDING :- IS 814
- FOR STRUCTURAL USE OF REINFRS :- IS:6923
- FOR GENERAL USE OF REINFRS :- IS:456
- FOR TOLERANCE IN STRUCTURAL STEEL :- IS:7215
- FOR SAFETY AGAINST ERECTION WORK :- IS:7205
- FOR HEXAGONAL SCREW(TOP/SOL) :- IS:1363 / 1364
- FOR PAINTING OF STEEL WORK :- IS:1477
- WASHER FOR STEEL WORK :- IS 1572
- FOR ALL GENERAL PURPOSE FABRICATION IS:806:2007
14. NOMENCLATURE ARE AS FOLLOW.
- N.G.L = NATURAL GROUND LEVEL
- F.G.L. = FINISHED GROUND LEVEL
- F.F.L. = FINISHED FLOOR LEVEL

ALL BOLTS 4.6 GRADE HDG BUT AFTER INSTALLATION ALL NEED TO REPAINT

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REVI.	DATE	PURPOSE	BY
R2	18-09-25	1.0 MATERIAL CHANGES FROM AS150 TO GP COIL 270 GSM 2.0 ALL CONNECTION PLATES CHANGES TO 5 MM 3.0 ALL OF PURLIN MEMBER CHANGES TO 15 SEC	PJV

REVISION HISTORY

CLIENT

GUJARAT INDUSTRIAL POWER CORPORATION LIMITED

CONSULTANTS

GERMI

ADDRESS:
GUJARAT ENERGY RESEARCH & MANAGEMENT INSTITUTE
AHMEDABAD - GANDHINAGAR RD, NR. APOLO HOSPITAL, GHUSHAL, NEAT, AHMEDABAD, GUJARAT 382428

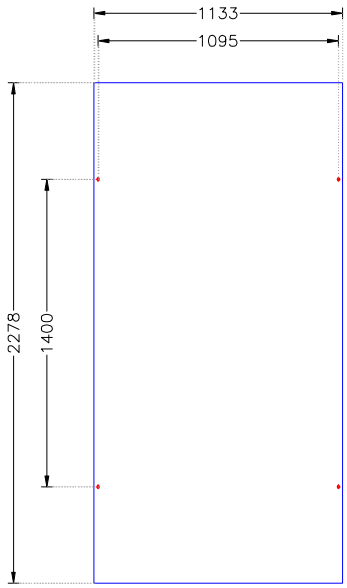
CONTACT:
helloworkin@gmail.org

PROJECT NUMBER:-	4826
BUILDING NAME:-	MODULE MOUNTING STRUCTURE 17X2
PROJECT NAME:-	M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

DRAWN:-	NR	DATE:-	18-09-2025
CHECK:-	PJV		
APPROVE:-	DEVANG	SCALE:-	VARY

DRAWING TITLE:-
STRUCTURAL TOP LAYOUT FOR MMS, SIDE ELEVATION AND STEEL OF QUANTITY
SHEET-1

DRAWING NO	REVISION	SHEET	FOR
1.S.101	R2	A1	A APPROVAL



SOLAR PANEL DIMENSION

SCALE 1:25

ALL BOLTS 4.8 GRADE HDGI.BUT AFTER INSTALLATION ALL NEED TO REPAINT

DRAWING TITLE:- SOLAR PANEL DIMENSION (SHEET-2)			
DRG NO	REVISION	SHEET	FOR
1.S.101	R1	A4	APPRO

DRAWN:-	NR	DATE:-	18-09-2026
CHECK:-	PJV		
APPROVE:-	DEVANG	SCALE:-	1:25

PROJECT NUMBER:- 4826

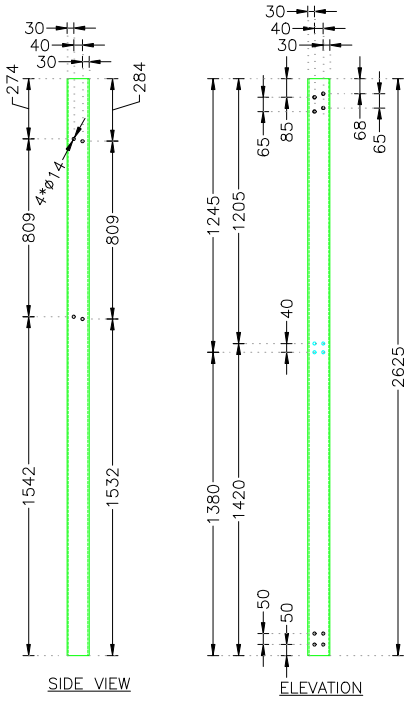
BUILDING NAME:- MODULE MOUNTING STRUCTURE 17X2

PROJECT NAME:- M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

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BHAT, AHMEDABAD, GUJARAT 382428

CONTACT:
information@germi.org



COLUMN 1

SCALE 1:25

ALL BOLTS 4.8 GRADE HDGI.BUT AFTER INSTALLATION ALL NEED TO REPAINT

DRAWING TITLE:- COLUMN 1 (SHEET-3)			
DRG NO	REVISION	SHEET	FOR
1.S.101	R1	A4	APPRO

DRAWN:-	NR	DATE:-	18-09-2026
CHECK:-	PJV		
APPROVE:-	DEVANG	SCALE:-	1:25

PROJECT NUMBER:- 4826

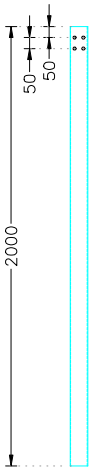
BUILDING NAME:- MODULE MOUNTING STRUCTURE 17X2

PROJECT NAME:- M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

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COLUMN
CONNECTOR–2
SCALE 1:25

ALL BOLTS 4.8 GRADE HDGI.BUT AFTER INSTALLATION ALL NEED TO REPAINT

DRAWING TITLE:- COLUMN CONNECTOR-2 (SHEET-4)			
DRG NO	REVISION	SHEET	FOR
1.S.101	R1	A4	APPRO

DRAWN:-	NR	DATE:-	18-09-2026
CHECK:-	PJV		
APPROVE:-	DEVANG	SCALE:-	1:25

PROJECT NUMBER:- 4826

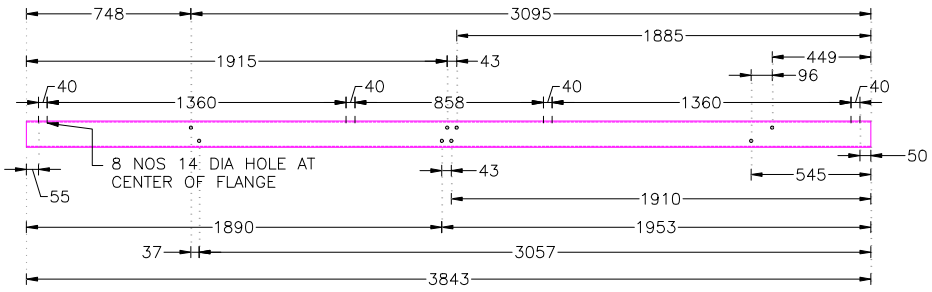
BUILDING NAME:- MODULE MOUNTING STRUCTURE 17X2

PROJECT NAME:- M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

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CONTACT:
information@germi.org



TOP HOLE FOR RAFTER SHALL BE AS PER VENDOR .IT MAY REVISED IF PANEL DIMENTION CHANGE

RAFTER–3

SCALE 1:25

ALL BOLTS 4.8 GRADE HDGI.BUT AFTER INSTALLATION ALL NEED TO REPAINT

DRAWING TITLE:- RAFTER-3(SHEET-5)			
DRG NO	REVISION	SHEET	FOR
1.S.101	R1	A4	APPRO

DRAWN:-	NR	DATE:-	18-09-2026
CHECK:-	PJV		
APPROVE:-	DEVANG	SCALE:-	1:25

PROJECT NUMBER:- 4826

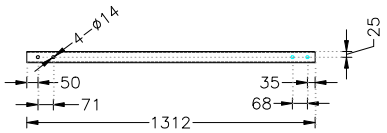
BUILDING NAME:- MODULE MOUNTING STRUCTURE 17X2

PROJECT NAME:- M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

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BRACING 1

SCALE 1:25

ALL BOLTS 4.8 GRADE HDGI.BUT AFTER INSTALLATION ALL NEED TO REPAINT

DRAWING TITLE:- BRACING-1(SHEET-6)			
DRG NO	REVISION	SHEET	FOR
1.S.101	R1	A4	APPRO

DRAWN:-	NR	DATE:-	18-09-2026
CHECK:-	PJV		
APPROVE:-	DEVANG	SCALE:-	1:25

PROJECT NUMBER:- 4826

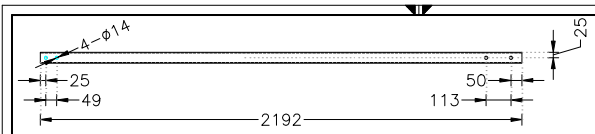
BUILDING NAME:- MODULE MOUNTING STRUCTURE 17X2

PROJECT NAME:- M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

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information@germi.org



BRACING 2

SCALE 1:25

ALL BOLTS 4.8 GRADE HDGI.BUT AFTER INSTALLATION ALL NEED TO REPAINT

DRAWING TITLE:- BRACING-2(SHEET-7)			
DRG NO	REVISION	SHEET	FOR
1.S.101	R1	A4	APPRO

DRAWN:-	NR	DATE:-	18-09-2026
CHECK:-	PJV		
APPROVE:-	DEVANG	SCALE:-	1:25

PROJECT NUMBER:- 4826

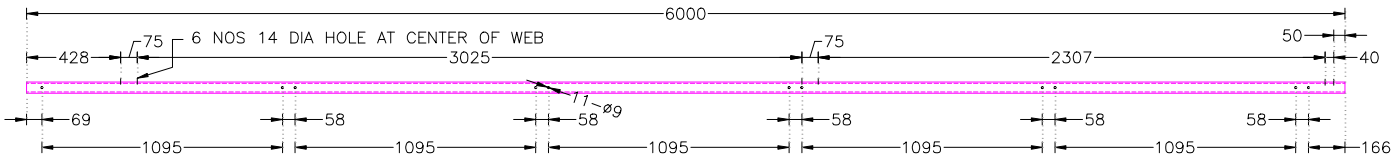
BUILDING NAME:- MODULE MOUNTING STRUCTURE 17X2

PROJECT NAME:- M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

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NR. APOLLO HOSPITAL, GIDC BHAT,
BHAT, AHMEDABAD, GUJARAT 382428

CONTACT:
information@germi.org



PURLIN 1

SCALE 1:25

ALL BOLTS 4.8 GRADE HDGI.BUT AFTER INSTALLATION ALL NEED TO REPAINT

DRAWING TITLE:- PURLIN-1(SHEET-8)			
DRG NO	REVISION	SHEET	FOR
1.S.101	R1	A4	APPRO

DRAWN:-	NR	DATE:-	18-09-2026
CHECK:-	PJV		
APPROVE:-	DEVANG	SCALE:-	1:25

PROJECT NUMBER:- 4826

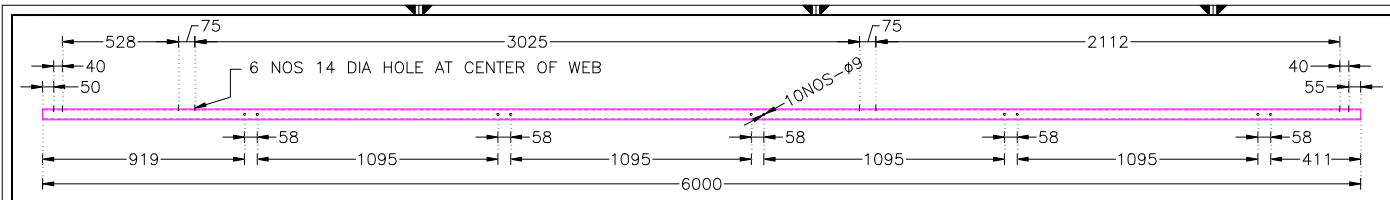
BUILDING NAME:- MODULE MOUNTING STRUCTURE 17X2

PROJECT NAME:- M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

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CONTACT:
information@germi.org



HOLES ON TOP AND BOTTOM BOTH SIDE

PURLIN 2

SCALE 1:25

ALL BOLTS 4.8 GRADE HDGI.BUT AFTER INSTALLATION ALL NEED TO REPAINT

DRAWING TITLE:- PURLIN-2(SHEET-9)			
DRG NO	REVISION	SHEET	FOR
1.S.101	R1	A4	APPRO

DRAWN:-	NR	DATE:-	18-09-2026
CHECK:-	PJV		
APPROVE:-	DEVANG	SCALE:-	1:25

PROJECT NUMBER:- 4826

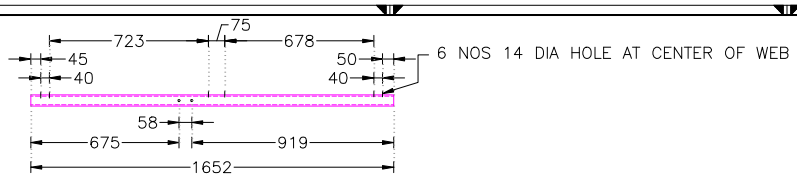
BUILDING NAME:- MODULE MOUNTING STRUCTURE 17X2

PROJECT NAME:- M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

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PURLIN 3

SCALE 1:25

ALL BOLTS 4.8 GRADE HDGI.BUT AFTER INSTALLATION ALL NEED TO REPAINT

DRAWING TITLE:- PURLIN-3(SHEET-10)			
DRG NO	REVISION	SHEET	FOR
1.S.101	R1	A4	APPRO

DRAWN:-	NR	DATE:-	18-09-2026
CHECK:-	PJV		
APPROVE:-	DEVANG	SCALE:-	1:25

PROJECT NUMBER:- 4826

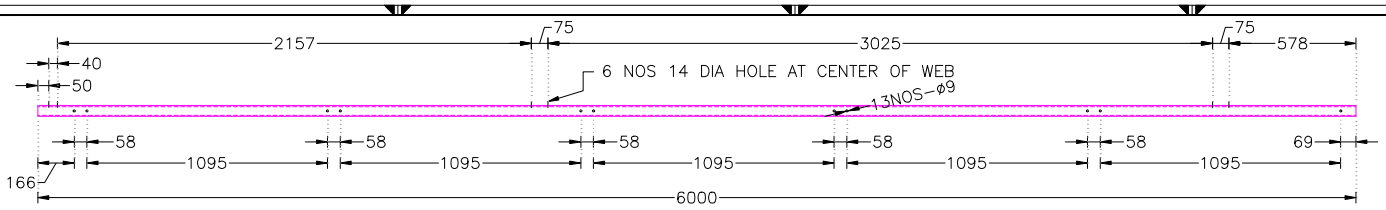
BUILDING NAME:- MODULE MOUNTING STRUCTURE 17X2

PROJECT NAME:- M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

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PURLIN 4

SCALE 1:25

ALL BOLTS 4.8 GRADE HDGI.BUT AFTER INSTALLATION ALL NEED TO REPAINT

DRAWING TITLE:- PURLIN-4(SHEET-11)			
DRG NO	REVISION	SHEET	FOR
1.S.101	R1	A4	APPRO

DRAWN:-	NR	DATE:- 18-09-2026
CHECK:-	PJV	
APPROVE:-	DEVANG	SCALE:- 1:25

PROJECT NUMBER:- 4826

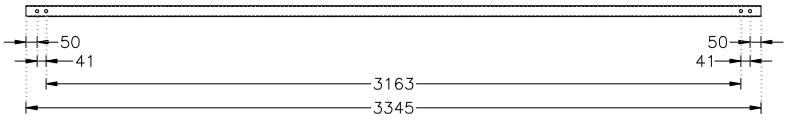
BUILDING NAME:- MODULE MOUNTING STRUCTURE 17X2

PROJECT NAME:- M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

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COLUMN TIE-10

SCALE 1:25

ALL BOLTS 4.8 GRADE HDGI.BUT AFTER INSTALLATION ALL NEED TO REPAINT

DRAWING TITLE:- COLUMN TIE-10(SHEET-12)			
DRG NO	REVISION	SHEET	FOR
1.S.101	R1	A4	APPRO

DRAWN:-	NR	DATE:-	18-09-2026
CHECK:-	PJV		
APPROVE:-	DEVANG	SCALE:-	1:25

PROJECT NUMBER:- 4826

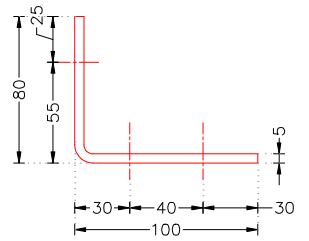
BUILDING NAME:- MODULE MOUNTING STRUCTURE 17X2

PROJECT NAME:- M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

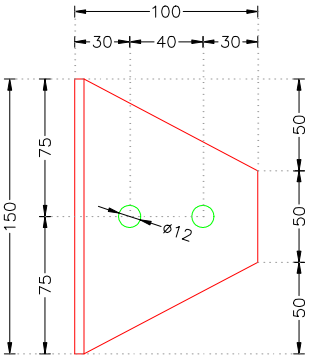
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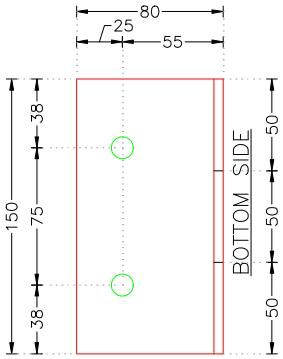
CONTACT:
information@germi.org



FRONT VIEW



TOP VIEW



SIDE VIEW

PURLIN CLEAT

SCALE 1:3

ALL BOLTS 4.8 GRADE HDGI.BUT AFTER INSTALLATION ALL NEED TO REPAINT

DRAWING TITLE:- PURLIN CLEAT(SHEET-13)			
DRG NO	REVISION	SHEET	FOR
1.S.101	R1	A4	APPRO

DRAWN:-	NR	DATE:-	18-09-2026
CHECK:-	PJV		
APPROVE:-	DEVANG	SCALE:-	1:25

PROJECT NUMBER:- 4826

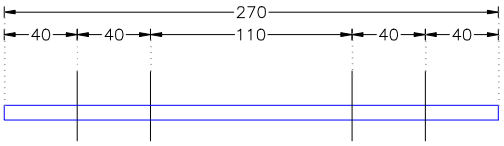
BUILDING NAME:- MODULE MOUNTING STRUCTURE 17X2

PROJECT NAME:- M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

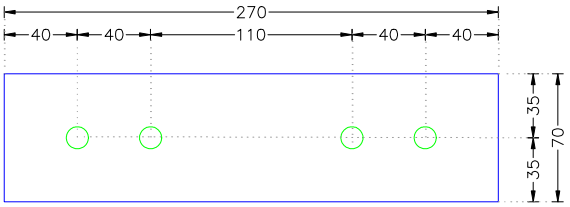
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TOP VIEW



FRONT VIEW

PURLIN CONNECTOR

PLATE= 400X70X5 MM TK
SCALE 1:3

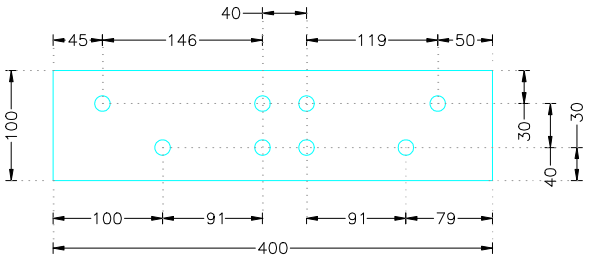
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DRAWING TITLE:- PURLIN CONNECTOR(SHEET-14)			
DRG NO	REVISION	SHEET	FOR
1.S.101	R1	A4	APPRO

DRAWN:-	NR	DATE:- 18-09-2026
CHECK:-	PJV	
APPROVE:-	DEVANG	SCALE:- 1:25

PROJECT NUMBER:- 4826
BUILDING NAME:- MODULE MOUNTING STRUCTURE 17X2
PROJECT NAME:- M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

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CONNECTION PLATE

PLATE = 400X100X5 MM TK

SCALE 1:05

ALL BOLTS 4.8 GRADE HDGI.BUT AFTER INSTALLATION ALL NEED TO REPAINT

DRAWING TITLE:- CONNECTION PLATE(SHEET-15)			
DRG NO	REVISION	SHEET	FOR
1.S.101	R1	A4	APPRO

DRAWN:-	NR	DATE:- 18-09-2026
CHECK:-	PJV	
APPROVE:-	DEVANG	SCALE:- 1:25

PROJECT NUMBER:- 4826

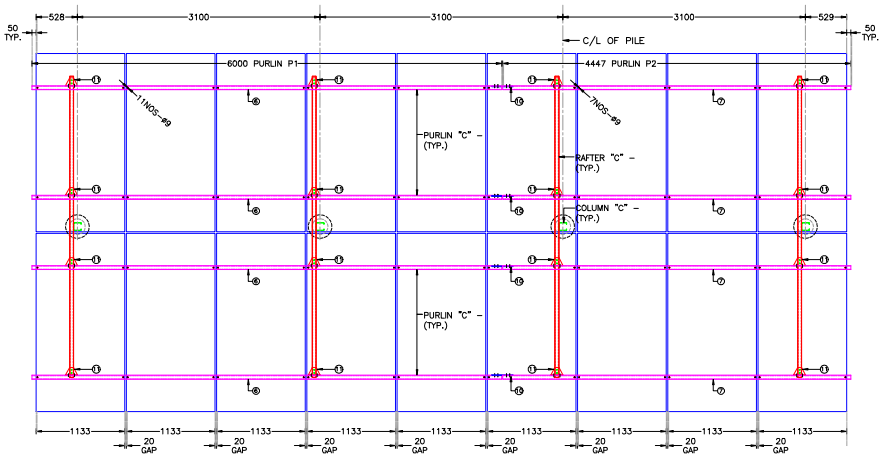
BUILDING NAME:- MODULE MOUNTING STRUCTURE 17X2

PROJECT NAME:- M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

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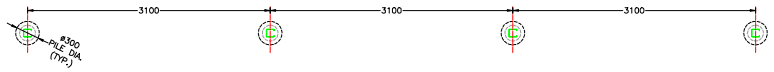
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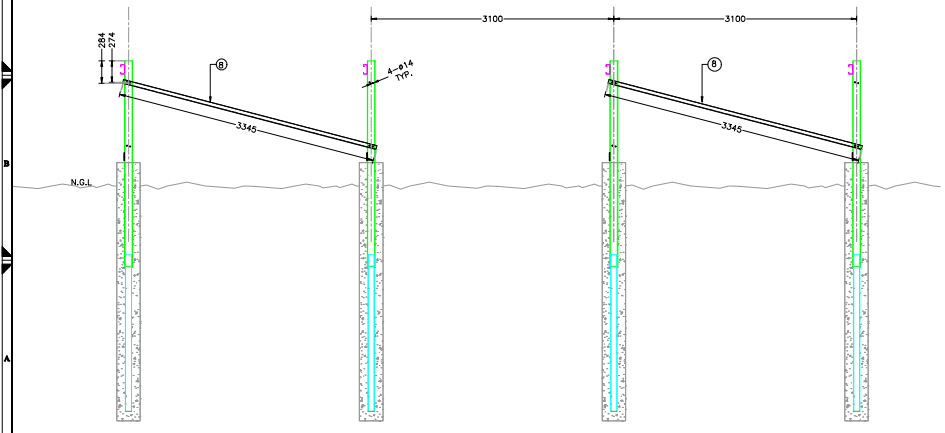
TOP FOLDED VIEW PLAN FOR (9X2)

SCALE 1:35



PILE FOUNDATION LAYOUT

SCALE 1:35



FIRST ONE MOCK SAMPLE TO BE MADE. IF IT IS APPROVED FORM ENGINEER INCHARGE THEN ONLY SHALL BE GONE INTO MASS PRODUCTION

GENERAL NOTES:-

1. ALL DIMENSIONS ARE IN m.m/Meter AND ALL LEVELS ARE IN Meter UNLESS AND OTHERWISE SPECIFIED.
2. GRADE OF ALL STEEL PLATE SHALL BE OF Fe-350 MPA UNLESS AND OTHERWISE SPECIFIED.
3. GRADE OF ALL HOT ROLLED SECTION (ISMB/ISMC/ ISA) SHALL BE OF Fe-350 MPA UNLESS AND OTHERWISE SPECIFIED.
4. GRADE OF ALL PIPE AND TUBE SECTION (RHS/SHS/CSH) SHALL BE OF GRADE Fe-310 MPA UNLESS AND OTHERWISE SPECIFIED.
5. ALL WELD TO BE 4mm FILLET WELD UNLESS SPECIFIED OTHERWISE.
6. ALL BOLTS SHALL BE OF 8.8 GRADE, UNLESS SPECIFIED.
7. BEFORE COMMENCING FABRICATION THE CONTRACTOR SHALL VERIFY ALL DIMENSION AT SITE INCLUDING CLEARANCE IF ANY.
8. DURING ERECTION, CONTRACTOR SHALL TAKE FULL PRECAUTIONS TO SUPPORT OR TIE ALL MEMBERS UNTIL FINAL GROUTING /WELDING OR BOLTING AT JOINT WILL COMPLETED AS PER DRAWING.
9. IN CASE OF DISCREPANCY IN MEMBER SIZE SHOWN IN GENERAL ARRANGEMENT AND FABRICATION DRAWING, FABRICATION DRAWING SHALL BE GOVERNING ONE.
10. AFTER MAKING PUNCH HOLE IN PRE-COATED SHEET, ALL EDGE TO BE REPAINTED TO AVOIDE COROSSION FROM THAT PUNCHING SURFACE.
12. HOLES, WHEREVER REQUIRED SHALL BE MADE BY DRILLING AND HOLES MADE BY GAS CUTTING SHALL NOT BE ALLOWED.
13. PROVIDE WASHER UNDER ALL NUTS AND BOLTS HEADS WHERE THE HEADS WHERE NOT EMBEDDED.
14. DURING ERECTION, TRUSS OR FRAME SHALL BE LIFTED FROM MINIMUM TWO POINT SUPPORT. CROSS TIE BETWEEN TWO SUPPORT SHALL BE PROVIDED TO PREVENT LATERAL BUCKLING.
15. ALL STRUCTURAL STEEL WORK SHALL CONFIRM TO FOLLOWING STANDARDS.
    - FOR STRUCTURAL STEEL(QUALITY):- IS:2062
    - FOR METAL ARC WELDING :- IS 816
    - FOR STRUCTURAL USE OF RHS/SHS :- IS:4923
    - FOR GENERAL USE OF RHS/SHS :- IS:806
    - FOR TOLERANCE IN STRUCTURAL STEEL :- IS:7215
    - FOR SAFETY AGAINST ERECTION WORK :- IS:7205
    - FOR HEXAGONAL SCREW/NUT/BOLT :- IS:1363 / 1364
    - FOR PAINTING OF STEEL WORK :- IS:1477
    - WASHER FOR STEEL WORK :- IS 5372
    - FOR ALL GENERAL PURPOSE FABRICATION IS800:2007
16. NOMENCLATURE ARE AS FOLLOW.
    - N.G.L = NATURAL GROUND LEVEL
    - F.G.L = FINISHED GROUND LEVEL
    - F.F.L = FINISHED FLOOR LEVEL

ALL BOLTS 4.8 GRADE HDGI.BUT AFTER INSTALLATION ALL NEED TO REPAINT

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REVI.	DATE	PURPOSE	BY
R2	18-09-26	1.0 MATERIAL CHANGES FROM AZ150 TO GP COIL 270 GRM 2.0 ALL CONNECTION PLATES CHNAGES TO 5 MM 3.0 LIP OF 36X36 MEMBER CHANGES TO 15 MM	PJV

REVISION HISTORY

CLIENT

GUJARAT INDUSTRIAL POWER CORPORATION LIMITED

CONSULTANTS

GERMI

ADDRESS:
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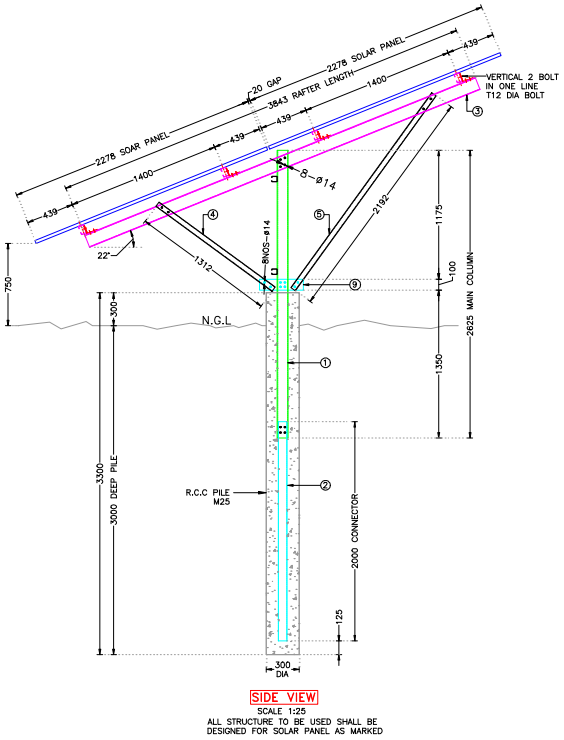
CONTACT:
information@germi.org

PROJECT NUMBER:-	4826
BUILDING NAME:-	MODULE MOUNTING STRUCTURE 9X2
PROJECT NAME:-	M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

DRAWN:-	NR	DATE:-	18-09-2026
CHECK:-	PJV		
APPROVE:-	DEVANG	SCALE:-	VARY

DRAWING TITLE:-
STRUCTURAL TOP LAYOUT FOR MMS (SHEET-1)

DRAWING NO	REVISION	SHEET	FOR
1.S.102	R2	A2	A APPROVAL



SIDE VIEW

SCALE 1:25

ALL STRUCTURE TO BE USED SHALL BE DESIGNED FOR SOLAR PANEL AS MARKED

NUMBER	MEMBER	SIZE	MATERIAL	COATING	STRENGTH	LENGTH (MM)	QUANTITY (NOS)	WEIGHT PER UNIT QUANTITY PER METER	TOTAL WEIGHT (K.G)
1	COLUMN	"C" 20X100X100X100X20X 2.00 MM TK	GP COIL 270 GSM	-	350	2625	4	5.30	55.7
2	COLUMN CONNECTOR	"C" 20X80X80X80X20X 1.20 MM TK	GP COIL 270 GSM	-	350	2000	4	2.62	21.0
3	RAFTER	"C" 20X50X120X50X20X 2.0 MM TK	GP COIL 270 GSM	-	350	3843	4	4.06	62.2
4	BRACING 1	"C" 15X50X50X50X15X 3.0 MM TK	GP COIL 270 GSM	-	350	1312	4	3.98	20.9
5	BRACING 2	"C" 15X50X50X50X15X 3.0 MM TK	GP COIL 270 GSM	-	350	2192	4	3.98	34.9
6	PURLIN 1	"C" 20X50X80X50X20X 2.0 MM TK	GP COIL 270 GSM	-	350	6000	4	3.43	82.4
7	PURLIN 2	"C" 20X50X80X50X20X 2.0 MM TK	GP COIL 270 GSM	-	350	4447	4	3.43	61.0
8	COLUMN TIE	"C" 15X50X50X50X15X 2.0 MM TK	GP COIL 270 GSM	-	350	3345	2	2.81	18.8
9	CONNECTION PLATE	400X100X5 MM TK	HOT DEEP G.I	-	350	-	4	2.50	10.0
10	PURLIN CONNECTOR	270X70X5 MM TK	HOT DEEP G.I	-	350	-	4	1.18	4.7
11	PURLIN CLEAT	150X(80+100)X5 MM TK	HOT DEEP G.I	-	350	-	16	1.05	16.8
							TOTAL WEIGHT		388.5
12	BOLT	12 MM DIA	HOT DEEP G.I		4.8 GRADE	60 MM	176 NOS		
13	BOLT	8 MM DIA	HOT DEEP G.I		4.8 GRADE	60 MM	72 NOS		

FIRST ONE MOCK SAMPLE TO BE MADE. IF IT IS APPROVED FORM ENGINEER INCHARGE THEN ONLY SHALL BE GONE INTO MASS PRODUCTION

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ALL BOLTS 4.8 GRADE HDGI,BUT AFTER INSTALLATION ALL NEED TO REPAINT

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REVI.	DATE	PURPOSE	BY
R2	18-09-26	1.0 MATERIAL CHANGES FROM AZ150 TO GP COIL 270 GSM 2.0 ALL CONNECTION PLATES CHNAGES TO 5 MM 3.0 LIP OF 30X30 MEMBER CHANGES TO 15 MM	PJV

REVISION HISTORY

CLIENT

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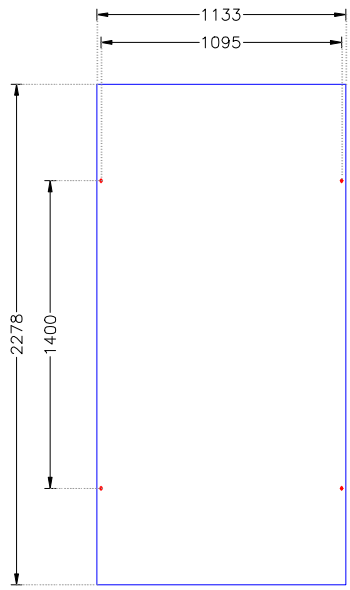
CONTACT:
information@germi.org

PROJECT NUMBER:-	4826
BUILDING NAME:-	MODULE MOUNTING STRUCTURE 9X2
PROJECT NAME:-	M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

DRAWN:-	NR	DATE:-	18-09-2026
CHECK:-	PJV		
APPROVE:-	DEVANG	SCALE:-	VARY

DRAWING TITLE:-
SIDE ELEVATION AND STEEL OF QUANTITY (SHEET-2)

DRAWING NO	REVISION	SHEET	FOR
1.S.102	R2	A2	A APPROVAL



SOLAR PANEL DIMENSION

SCALE 1:25

ALL BOLTS 4.8 GRADE HDGI.BUT AFTER INSTALLATION ALL NEED TO REPAINT

PROJECT NUMBER:-	4826
BUILDING NAME:-	MODULE MOUNTING STRUCTURE 9X2
PROJECT NAME:-	M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

DRAWING TITLE:-
SOLAR PANEL DIMENSION(SHEET-3)

DRG NO	REVISION	SHEET	FOR
1.S.102	R1	A4	APPRO

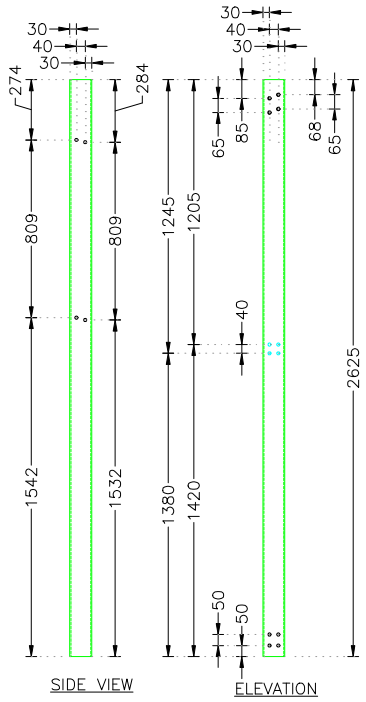
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CHECK:-	PJV		
APPROVE:-	DEVANG	SCALE:-	1:25

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COLUMN 1

SCALE 1:25

ALL BOLTS 4.8 GRADE HDGI.BUT AFTER INSTALLATION ALL NEED TO REPAINT

DRAWING TITLE:- COLUMN-1(SHEET-4)			
DRG NO	**REVISION**	**SHEET**	**FOR**
1.S.102	R1	A4	APPRO

PROJECT NUMBER:- 4826

BUILDING NAME:- MODULE MOUNTING STRUCTURE 9X2

PROJECT NAME:- M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

DRAWN:-	NR	**DATE:-**	18-09-2026
CHECK:-	PJV		
APPROVE:-	DEVANG	**SCALE:-**	1:25

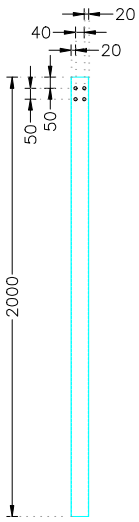
CONSULTANTS

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CONTACT:

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COLUMN
CONNECTOR–2

SCALE 1:25

ALL BOLTS 4.8 GRADE HDGI.BUT AFTER INSTALLATION ALL NEED TO REPAINT

PROJECT NUMBER:-	4826
BUILDING NAME:-	MODULE MOUNTING STRUCTURE 9X2
PROJECT NAME:-	M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

DRAWING TITLE:-
COLUMN CONNECTOR-2(SHEET-5)

DRG NO	REVISION	SHEET	FOR
1.S.102	R1	A4	APPRO

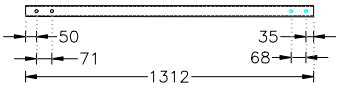
DRAWN:-	NR	DATE:-	18-09-2026
CHECK:-	PJV		
APPROVE:-	DEVANG	SCALE:-	1:25

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BRACING 1

SCALE 1:25

ALL BOLTS 4.8 GRADE HDGI.BUT AFTER INSTALLATION ALL NEED TO REPAINT

DRAWING TITLE:- BRACING-1(SHEET-7)			
DRG NO	**REVISION**	**SHEET**	**FOR**
1.S.102	R1	A4	APPRO

PROJECT NUMBER:- 4826

BUILDING NAME:- MODULE MOUNTING STRUCTURE 9X2

PROJECT NAME:- M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

DRAWN:-	NR	**DATE:-**	18-09-2026
CHECK:-	PJV		
APPROVE:-	DEVANG	**SCALE:-**	1:25

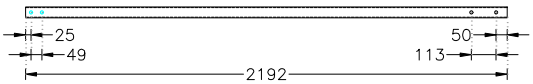
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BRACING 2

SCALE 1:25

ALL BOLTS 4.8 GRADE HDGI.BUT AFTER INSTALLATION ALL NEED TO REPAINT

PROJECT NUMBER:-	4826
BUILDING NAME:-	MODULE MOUNTING STRUCTURE 9X2
PROJECT NAME:-	M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

DRAWING TITLE:-
BRACING-2(SHEET-8)

DRG NO	REVISION	SHEET	FOR
1.S.102	R1	A4	APPRO

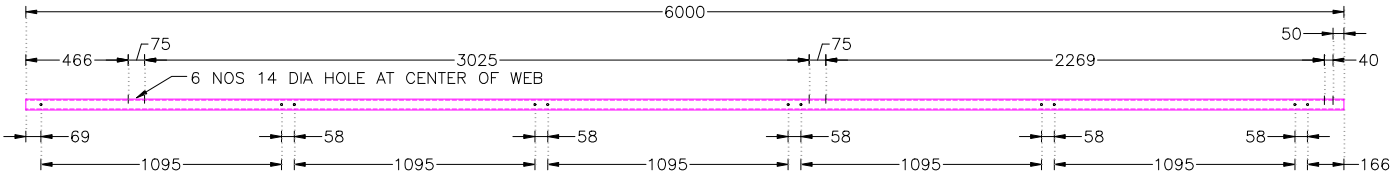
DRAWN:-	NR	DATE:-	18-09-2026
CHECK:-	PJV		
APPROVE:-	DEVANG	SCALE:-	1:25

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PURLIN 1

SCALE 1:25

ALL BOLTS 4.8 GRADE HDGI.BUT AFTER INSTALLATION ALL NEED TO REPAINT

PROJECT NUMBER:-	4826
BUILDING NAME:-	MODULE MOUNTING STRUCTURE 9X2
PROJECT NAME:-	M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

DRAWING TITLE:- PURLIN-1(SHEET-9)

DRG NO	REVISION	SHEET	FOR
1.S.102	R1	A4	APPRO

DRAWN:-	NR	DATE:-	18-09-2026
CHECK:-	PJV		
APPROVE:-	DEVANG	SCALE:-	1:25

CONSULTANTS

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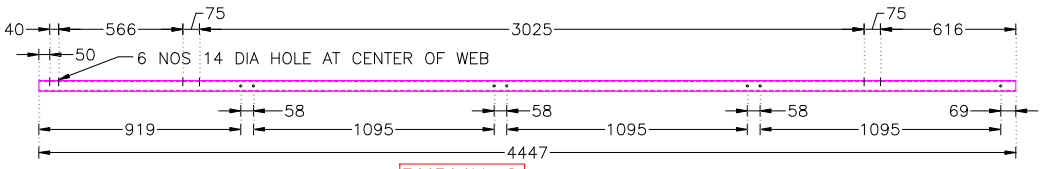
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PURLIN 2

SCALE 1:25

ALL BOLTS 4.8 GRADE HDGI.BUT AFTER INSTALLATION ALL NEED TO REPAINT

PROJECT NUMBER:-	4826
BUILDING NAME:-	MODULE MOUNTING STRUCTURE 9X2
PROJECT NAME:-	M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

DRAWING TITLE:- PURLIN-2(SHEET-10)

DRG NO	REVISION	SHEET	FOR
1.S.102	R1	A4	APPRO

DRAWN:-	NR	DATE:-	18-09-2026
CHECK:-	PJV		
APPROVE:-	DEVANG	SCALE:-	1:25

CONSULTANTS

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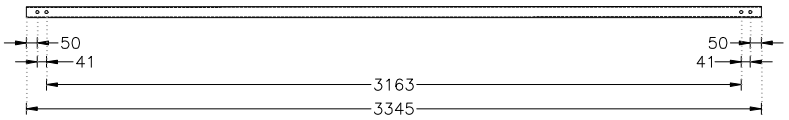
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COLUMN TIE

SCALE 1:25

ALL BOLTS 4.8 GRADE HDGI.BUT AFTER INSTALLATION ALL NEED TO REPAINT

PROJECT NUMBER:-	4826
BUILDING NAME:-	MODULE MOUNTING STRUCTURE 9X2
PROJECT NAME:-	M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

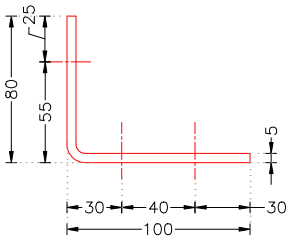
DRAWING TITLE:-
COLUMN TIE(SHEET-11)

DRG NO	REVISION	SHEET	FOR
1.S.102	R1	A4	APPRO

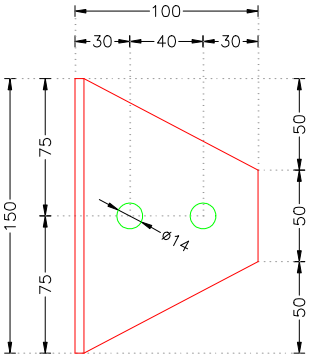
DRAWN:-	NR	DATE:-	18-09-2026
CHECK:-	PJV		
APPROVE:-	DEVANG	SCALE:-	1:25

CONSULTANTS

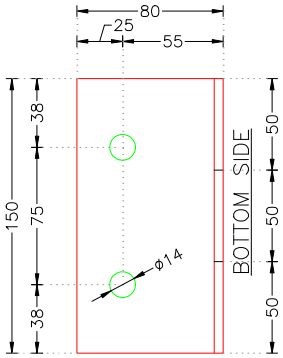
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FRONT VIEW



TOP VIEW



SIDE VIEW

PURLIN CLEAT

SCALE 1:3

ALL BOLTS 4.8 GRADE HDGI.BUT AFTER INSTALLATION ALL NEED TO REPAINT

PROJECT NUMBER:-	4826
BUILDING NAME:-	MODULE MOUNTING STRUCTURE 9X2
PROJECT NAME:-	M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

DRAWING TITLE:- PURLIN CLEAT(SHEET-12)			
DRG NO	REVISION	SHEET	FOR
1.S.102	R1	A4	APPRO

DRAWN:-	NR	DATE:-	18-09-2026
CHECK:-	PJV		
APPROVE:-	DEVANG	SCALE:-	1:25

CONSULTANTS

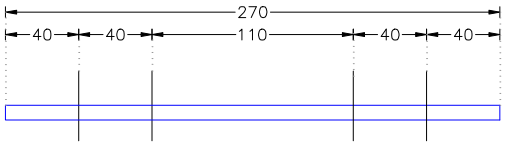
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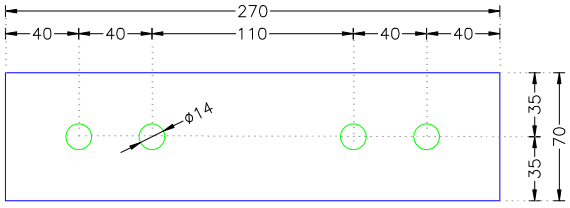
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TOP VIEW



FRONT VIEW

PURLIN CONNECTOR

PLATE= 400X70X5 MM TK
SCALE 1:3

ALL BOLTS 4.8 GRADE HDGI.BUT AFTER INSTALLATION ALL NEED TO REPAINT

PROJECT NUMBER:-	4826
BUILDING NAME:-	MODULE MOUNTING STRUCTURE 9X2
PROJECT NAME:-	M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

DRAWING TITLE:- PURLIN CONNECTOR(SHEET-13)

DRG NO	REVISION	SHEET	FOR
1.S.102	R1	A4	APPRO

DRAWN:-	NR	**DATE:-**	18-09-2026
CHECK:-	PJV		
APPROVE:-	DEVANG	**SCALE:-**	1:25

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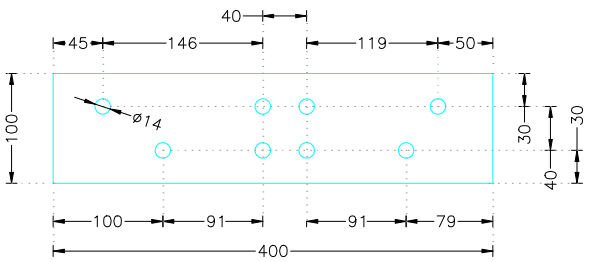
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CONNECTION PLATE

PLATE = 400X100X5 MM TK

SCALE 1:05

ALL BOLTS 4.8 GRADE HDGI.BUT AFTER INSTALLATION ALL NEED TO REPAINT

DRAWING TITLE:- CONNECTION PLATE(SHEET-14)			
DRG NO	**REVISION**	**SHEET**	**FOR**
1.S.102	R1	A4	APPRO

PROJECT NUMBER:-	4826
BUILDING NAME:-	MODULE MOUNTING STRUCTURE 9X2
PROJECT NAME:-	M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

DRAWN:-	NR	**DATE:-**	18-09-2026
CHECK:-	PJV		
APPROVE:-	DEVANG	**SCALE:-**	1:25

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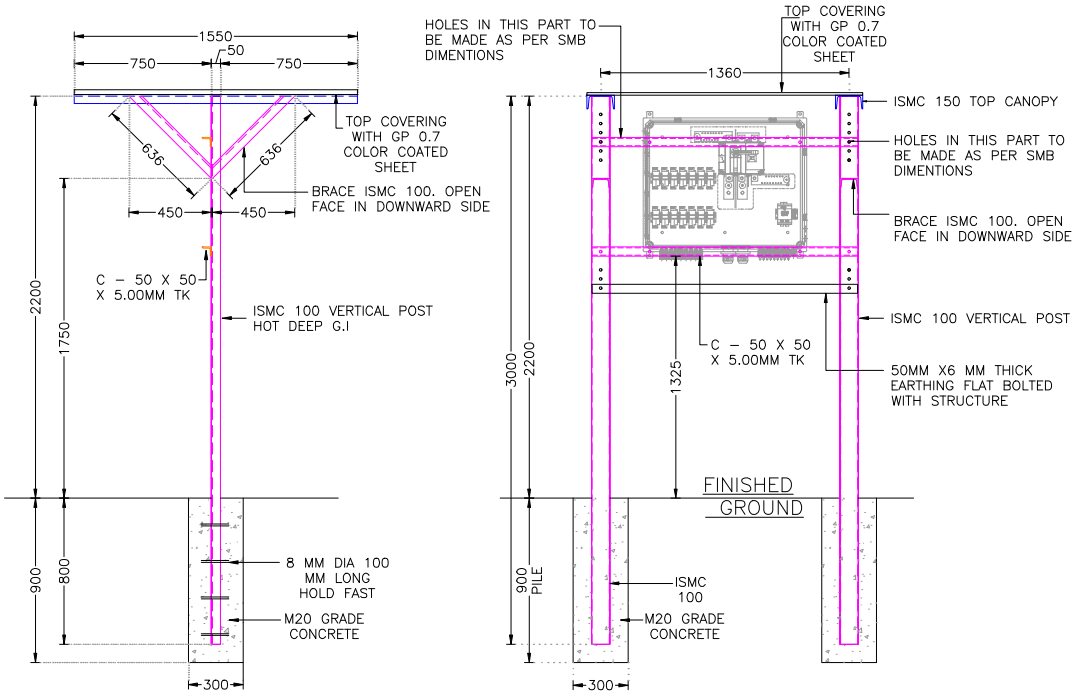
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NUMBER	MEMBER	SIZE	MATERIAL	COATING	STRENGTH	LENGTH (MM)	QUANTITY (NOS)	WEIGHT PER UNIT QUANTITY PER METER	TOTAL WEIGHT (K.G)
1	COLUMN C1	ISMC 100	HOT DEEP G.I	minimum 80Micron	250	3000	2	9.56	57.4
2	BRACE ISMC100	ISMC 100	HOT DEEP G.I	minimum 80Micron	250	636	4	9.56	24.3
3	CANOPY MEMBER 1	ISMC 150	HOT DEEP G.I	minimum 80Micron	250	1550	2	16.80	52.1
4	SUPPORT ANGLE	ISA 50X50X5	HOT DEEP G.I	minimum 80Micron	250	1500	2	3.00	11.4
							TOTAL WEIGHT		145.2

ALL HOT ROLLED MATERIALS ARE HOT DEEP GI WITH MINIMUM THICKNESS OF 80 MICRON.

REVI.	DATE	PURPOSE	BY
R3	07-10-26	COATING REVISED	PJV
R2	29-09-26	CANOPY MATERIAL REVISED	PJV
R1	30-07-26	TOP CANOPY ADDED	PJV

REVISION HISTORY

CLIENT
GUJARAT INDUSTRIAL POWER CORPORATION LIMITED

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PROJECT NUMBER:-	4826
BUILDING NAME:-	SMB STRUCTURE
PROJECT NAME:-	M.M.S FOR CHARNKA SOLAR POWER PLOT NO 1

DRAWN:-	NR	DATE:-	22-07-2026
CHECK:-	PJV		
APPROVE:-	DEVANG	SCALE:-	VARY

DRAWING TITLE:-
STRUCTURAL TOP LAYOUT FORSMB

DRAWING NO	REVISION	SHEET	FOR
1.S.301	R3	A2	A APPROVAL