

TENDER NOTICE NO. COE/05 OF 2024-25

VAPI GREEN ENVIRO LIMITED
VAPI,
DIST.: VALSAD

Tender for Supply and Installation of
80 KW Solar Panel for Electric Power Generation
at Centre of Excellence Site, Vapi.

TECHNICAL BID & PRICE BID

CHIEF EXECUTIVE OFFICER,
VAPI GREEN ENVIRO LIMITED
PLOT NO: 135, VIA HOUSE, GIDC CHAR RASTA,
GIDC, VAPI – 396195
Ph. (0260) 2428950, 9714000828, 9714007068
e-mail: dgm.purchase@vgelvapi.com,
Website: www.vgelvapi.com, www.coevapi.com,

VAPI GREEN ENVIRO LIMITED

(Formerly known as Vapi Waste & Effluent Management Co. Ltd.)

Plot No.135, VIA House, GIDC Char Rasta, Vapi 396 195

Tel.: 91 260 2428950 Fax: 91 260 2429950

E Mail: dgm.purchase@vgelvapi.com,

www.vgelvapi.com, www.coevapi.com, CIN: U74210GJ1997GAP031525

Tender for Supply and Installation of 80 KW Solar Panel for Electric Power Generation

INDEX

- ❖ **Section 1**: Important Dates and Information of the Tender
- ❖ **Section 2**: General Instructions
- ❖ **Section 3**: Financial Conditions
- ❖ **Section 4**: Qualification & Technical Criteria
- ❖ **Section 5**: Price Bid

Section 1: Important Dates and Information of the Tender

<u>Title of the Tender:</u>	<u>Tender for Supply and Installation of 80 KW Solar Panel for Electric Power Generation.</u>
<u>Tender Number:</u>	VGEL/COE/PUR/Solar Panel-2, Dt. 26/07/2024
<u>Pre-Bid Meeting:</u>	14:00 Hrs on Date 05-08-2024 at Centre of Excellence.
<u>Last Date of Submission:</u>	13:00 PM on 12 th August, 2024 at Head Office address
<u>Mode of Submission:</u>	Offline tender Submission through Speed Post / Courier / Hand Delivery.
<u>Technical Bid Opening:</u>	13:30 PM on 12 th August, 2024 at Head Office Address. (Bid opening depends on availability of signing authority)
<u>Technical Bid Evaluation:</u>	Technical bids will be evaluated by technical staff.
<u>Price Bid Opening:</u>	Price bids of only technically qualified bidders will be opened after technical evaluation.
<u>Supply & Installation:</u>	Within 10-12 Week period from the date of issue of Purchase Order.
<u>Price Validity:</u>	Within 150 Days from the date of opening of Price Bid.
<u>Tender Fee:</u>	Rs.1,500/- + GST (Non-Refundable)
<u>EMD:</u>	Rs. 40,000/- (Returnable)
<u>Important Note:</u>	Envelop should be superscripted as below. <u>“Tender for Supply and Installation of 80 KW Solar Panel at COE”</u>

Section 2: General Instructions

- 1) Interested parties may obtain the tender document from the website www.vgelvapi.com.
- 2) The duly filled Tender Document is to be sent to below address before last submission Date:

The Chief Executive Officer,
Vapi Green Enviro Limited.
135, VIA House, Char Rasta
GIDC, Vapi 396 195
Gujarat (India)
- 3) The bids should be submitted in a sealed cover containing following two separate envelopes:

(a) Technical Bid:

 1. Technical qualification page along with all the documents mentioned in it.
 2. Copy of all sections except section 5 i.e. Price Bid duly signed & stamped on all the pages.
 3. Section: 3 having Financial Condition also to be signed and submitted with Technical Bid.
 4. No condition other than what already mentioned in the tender documents will be accepted.

(b) Price Bid:

 1. To be submitted in Separate Sealed Envelope with name of Tender, Name of Supplier and Receiver.
- 4) The bid shall be submitted in Sealed Condition within last submission date through speed post / register post / courier or hand delivery. The complete liability to ensure that the Signed bid shall reach in time will be with the bidder. Under no circumstance will allow any allowance for the delay arising out of postal or courier delivery. No bidder will have any right whatsoever for his bid if it is not obtained in time and in proper format.
- 5) VGEL reserves the right to accept or reject any or all tenders in part or full or to cancel the issue of tender documents without assigning any reason whatsoever. Similarly, in the interest of company, company have absolute right to go for retendering without assigning any reason whatsoever to anyone.
- 6) Bidder has to accept all terms and conditions unconditionally.
- 7) Management reserves the right to modify the tender document for more clarity and/or to get more competition. If there is any revision in the tender document, the same will be published on our website www.vgelvapi.com. All the interested parties are requested to regularly check our website for any updates.
- 8) Negotiations, if any, for any item will be held with the respective L1 party.
- 9) NEWS Paper Advertisement published in NEWS Paper. Kindly note that all tender document and Corrigendum are posted on our website www.vgelvapi.com.

10) Interested parties may obtain the tender document from the website www.vgelvapi.com, Site of VGEL as mentioned in Section 1.

11) The duly filled Tender Document is to be sent to Head Office Address and Solar Panel to be Installed at Site Address of Centre of Excellence Address.

Head Office Address	Solar Panel Installation Address
The Chief Executive Officer, Vapi Green Enviro Ltd. 135, VIA House, Char Rasta GIDC, Vapi 396 195, Gujarat (India)	Centre OF Excellence, Plot No.863, P/864, 735/P, GIDC, 1 st Phase, Vapi - 396195 Ph.9714007068

12) The completed tender forms will be received at Head office Address during office hours i.e. 10:00 AM to 5:00 PM up to the last date mentioned in Section1.

Section 3: Financial Conditions

1. PRICE:

The price quoted by the bidder should be fixed and encompass the entire scope of supply and installation, including any accessories. The quoted price must include all applicable taxes, levies, duties, etc., as specified in Section 5 of this tender document

SCHEDULE OF PAYMENT:

Payment will be due from VGEL once the bills are fully certified. VGEL will make the payment based on the following terms:

1. Sixty percent (60%) of the basic amount plus GST will be paid after the material supply.
2. Thirty percent (30%) of the basic amount will be paid after successful installation work completion.
3. Ten percent (10%) of the basic amount will be paid one year after the work completion date.

The successful supply and installation of the solar panel must meet the technical specifications outlined in Section 4 of this tender document. The final 10% of the basic amount will be held as retention money and released one year after the date of installation. If the supplier prefers, this 10% payment can be released earlier upon submission of a performance bank guarantee equal to 10% of the order value, valid for one year.

2. GUARANTEE / DEFECT LIABILITY PERIOD

The supply of solar panels and their accessories shall be guaranteed for soundness and performance for a period of ____ years (As details mentioned below) from the date of work completion at the site. A work completion certificate must be prepared after completing all the scope of work as per this tender document, the Minutes of Meeting during the finalization of the order, and the Work Order. Any defects due to poor workmanship or materials of construction (MOC) must be addressed by the bidder during the guarantee period. The 10% retention money amount will be released one year from the date of work completion.

- a. Guarantee period 5 Years for whole System
- b. 25 Years Unconditional warranty of Solar Panel

3. EMD & Performance Bank Guarantee:

- (a) The EMD of unsuccessful bidders will be released within 1-2 weeks from the placement of the work order to the successful bidder
- (b) The EMD can be returned to the successful bidder after the completion of the work.

4. Work Completion Period and Penalty Clause:

The work must be completed within 10-12 weeks from the date of issuance of the LOI, Purchase Order, Work Order, or Agreement, whichever is earlier.

A penalty clause will be applicable for delays in work completion at a rate of 0.5% per week, up to a maximum of 5% of the total order value for the late completion period. VGEL will deduct the penalty amount for delays in supply and installation work as per the above terms.

SIGN AND STAMP OF THE BIDDER

Page 6 of 13

5. Certification & Inspection:

The bidder must provide all required test certifications applicable at the time of delivery. VGEL reserves the right to inspect the material before dispatch at the bidder's site, if necessary. Additionally, a third-party inspection may also be conducted if required

6. Installation of the Solar Panel:

The installation of the solar panels will be free of cost and within the scope of the supplier. The bidder will arrange for supervision and any other necessary requirements. All required tools, tackles, and other necessary materials will be provided by the bidder. Please specify the details of these arrangements in the technical bid.

7. Taxes & Duties:

- a) Statutory taxes will be deducted at source from the running bills. VGEL will provide the necessary TDS certificates to the supplier
- b) Any new taxes or duties imposed, or any increases in the rates of existing taxes by the Central & State Governments or any local authority, will be additional and will be paid by VGEL.

8. Training

Bidders will provide free training on the operation and cleaning of the solar panels to VGEL employees for two days. The cost of this training should be included in the offer

- 9. Bidders must clearly outline the scope of supply and installation when quoting their rates. If necessary, please attach a separate sheet for detailed information

- 10. All accessories and electrical components, including electric meters, bi-directional meters, LTCT, current transformers, modems, switches, change-over switches, cables, etc., required for this project should be included under the scope of supply. The project will be treated as a turnkey project, and all necessary materials will be provided by the contractor.

Section 4: Qualification & Technical Criteria

QUALIFICATION CRITERIA:

Sr. No	Description	Required	To be Confirmed by Supplier YES/NO
1	The bidder should have Completed minimum 5 Projects at any Limited firms/Industrial for similar or higher capacity plant. Minimum 1 Project Cost should be above 20,00,000/-	Copy of order/certificate for supply of the same.	
2	Acceptance of all the conditions fully and unconditionally	Copy of all the sections including blank pages of price bid duly signed and stamped on all the pages.	
3	Manufacture / Distributor / Dealership / Franchisee	Documents supporting to Manufacture / Distributor is required to attach.	
4	Submission of EMD amount as per section:1 (Refundable)	DD or Banker's Cheque of amount mentioned in Section 1, In favor of "Vapi Green Enviro Limited."	Amount Rs.40,000/- DD or Banker's Cheque No.:.....
5	Submission of Tender Fee amount as per section:1 (Non-refundable)	DD or Banker's Cheque of amount mentioned in Section 1, In favor of "Vapi Green Enviro Limited."	Amount Rs.1,500/- + 18% GST = Rs.1,770/- DD or Banker's Cheque No.:

TECHNICAL SPECIFICATIONS:

Part - A

Specification for Roof top Solar Plant	
1	Location Of Site Centre Of Excellence (COE), Vapi.
2	Place Of Installation Open Terrace
3	Capacity Of Roof top solar plant 80 KW.
4	Solar PV Module Module Capacity Mono-crystalline PV Solar Module 545/550 Wp It should be flash tested. It should be with IV curved and EL tested. It should be with IEC 61215 Design & Type Approved IT should be with IEC 61730 Safety qualified It should be with IEC 61701 (Salt, Mist, Corrosion resistive) It should be with ammonia resistance.
5	Panel Make Waree, Adani, Tata IP 68 Certified for Enclose With Component test report. IT should be with FAT report (Factory Acceptance Test) IR & HV tested

SIGN AND STAMP OF THE BIDDER

Page 8 of 13

5A	Panel Warranty	Power & Controlled circuit tested with report. MFM parameter tested. 25 Yrs. Unconditional warranty
6	Grid connect String Invertor Inverter warranty period Inverter efficiency Number Of MPPT Overcapacity of inverter	Fronius, ABB, Sungrow Inverter Warranty + Extended warranty period. 98.50% 4 40% IEC 61000-6EMC combability IEC61727 certified. IEC 61116 Islanding protection certified. FAT tested.
7	Structure Plate Mounting Structure Plate Mounting Hook Structure Structure foundation Execution (civil Work)	Hot Dip GI-80 to 100 microns, Make: Indiana SS 304, J type, 8mm Installation without damaging of Existing Structure Supplier scope, any tempering of Civil structure, will be attending with Water proof chemical
8	Whether Monitoring On line Weather Monitoring Sensor	Pyranometer Ambient Temp sensor Module Temp Sensor Wind Ven & Sensor
9	Walk Way & Hand Railing	IT should be with FRP, for One person to handling & Cleaning of Panel. Walk should be easily accessible. FRP walk way which proper FRP Hand railing. Walk way should be with proper stair from floor level to Walk way Sufficient Gap between two raw for hand Railing
10	AC & Dc Cables (Copper Flexible)	KEI, Polycab, RR

11	Ac Input power cable 95 sq. mm x 3.5 core (Allu. Armoured)	KEI, Polycab, RR
12	ACDB, DCDG Box	Rating - IP 68
13	Earthing	Copper Plate type - Party Scope (Copper Plate Thick - 3 MM)
14	Earthing/LA Strip & Insulators	Party Scope
15	Online Monitoring system	Include In party Scope, Ethernet in client (VGEL) scope.
16	Switchgears	Siemens, Schneider, ABB
17	Solar Plate Cleaning System	Include UPVC Pipe (Astral), Sprinkler, Motor and Operating Panel.
18	Data Sheet	Panel, Inverter & All Instruments
19	Basic Data	Basic Comprehensive Sheet for power generation & Calculation sheet of payback period.
20	Electrical Cables & Cable tray installation	Supplier Scope
21	Cable Tray material	Hot Dip GI, Indiana Make

COE Site Solar System Details

Sr No.	Name of Structure	Unit	RCC Terrace Area	Status	Stair Case Details
1	I.T BUILDING	Sq.Mt	825	Vacant	Available (Spiral type)
2	ADM Building	Sq.Mt	435	Vacant	Available
3	PILOT PLANT	Sq.Mt	699	Vacant	Available
4	LAB BUILDING	Sq.Mt	870	Occupy with 40kw Solar System	

Part - B

- **Project Registration, DISCOM and LISONING**

Sr No	Descriptions	Scope
1	GEDA registration	Supplier Scope
2	DISCOM net metering and connectivity	Supplier Scope
3	Solar project department LISONING	Supplier Scope

1. **Electric single line diagram, System DC Drawing, Module Interconnection Diagram, Inverter layout drawing, Cable & Cable tray routing Drawing.**

Section 5: Price Bid

Sr. No.	Particulars	Rate Rs. per KW	Total Amount Rs.
1.	80 KW SOLAR Panel Plant should be design, Supply and Installation to be done at COE site.		

Note:

- 1) The bidder must include all additional charges, taxes, duties, transportation, etc., in the quoted rate and provide a F.O.R. (Free on Road/Rail) site base price. Please specify any applicable taxes in the table below and indicate whether they are 'included' or 'excluded' in the above-quoted rates. If the bidder does not specify in the table below, it will be assumed that the taxes are included in the base price.

Details Required from Bidder	
GST	%
Other	%
Contact Person Name:	
Mobile Number:	
Email:	

2. VGEL reserves the right to establish a formula to bring all bidders to a common denominator for the purpose of offer comparison.
3. The price includes all technical support during installation and commissioning, as well as transportation charges for the personnel involved.
4. The offer is made after reading and fully accepting all conditions unconditionally. If the bidder withdraws the offer after submission, VGEL reserves the right to impose a penalty of 5% of the bid amount. This penalty will be deducted from the EMD (Earnest Money Deposit) and any pending payments to the bidder. If no payments are pending, the bidder will be blacklisted and will only be allowed to bid with VGEL after depositing the penalty amount.
- Technical parameters may be revised for all bidders if any vendor agrees to supply better quality at the same rates.
 - VGEL's decision shall be final regarding essential and desirable parameters and any necessary changes in this regard.

VENDOR REGISTRATION FORM

(Please fill in CAPITAL LETTERS And Send file in EXCEL FORMAT only)

1	Name of Firm *	
2	Name of Contact Person with Designation	
3	Contact Person Mobile No.	
4	Supplier / Contractor / Consultant / All Three *	
5	Type of Vendor * [Regd. Manufacturer / Non Regd. Manufacturer / Regd. Distributer / Non Regd. Distributer / Transporter / Retailer / Service Provider / Other]	
6	Branch [CETP, CSWP, COE, HO] *	
7	Address 1 *	
	Address 2	
	Address 3	
8	City * & PIN Code*	
9	State *	
10	Phone Nos. with Extension (if any) *	
11	Mobile No. *	
12	Fax No.	
13	E-Mail ID. *	
14	PAN No.	
15	GST No.*	
16	MSME Registration No. (Registered / Not Registered)*	
17	P.F. Registration No. ** (For Labour Contractor Only)	
18	ESIC Registration No. ** (For Labour Contractor Only)	
19	Name of the Banker *	
20	Bank Branch *	
21	Bank Account No. *	
22	RTGS/NEFT Ref. No. *	
23	Performance	
24	Remarks (if any)	

* Marked are mandatory entry for Contractor without above data, form will not be accepted at

→ VGEL. If any details are not applicable / not available the please type "NA".

Name of Firm (Sl.1) entered should be same as that registered in your bank as payment shall be same as per same.

→ Kindly mail the above Updated file to following e-mail address "dgm.purchase@vgelvapi.com" within 7 Days.

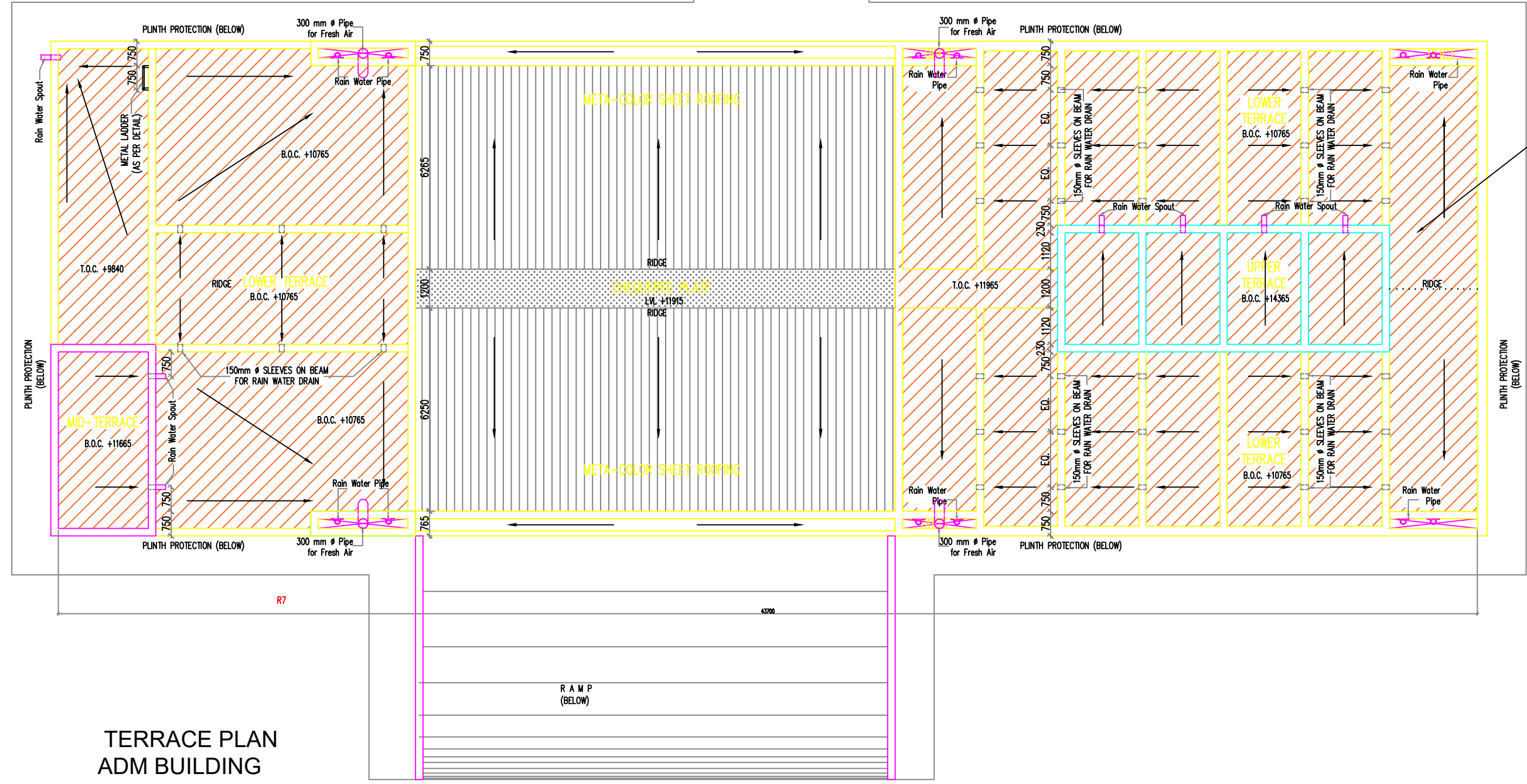
Please fill in CAPITAL LETTERS And Send file in EXCEL FORMAT only. Please attach copy of

→ PAN, GST Registration, MSME Registration, Gumasta Certificate, Cancel Cheque copy

15000

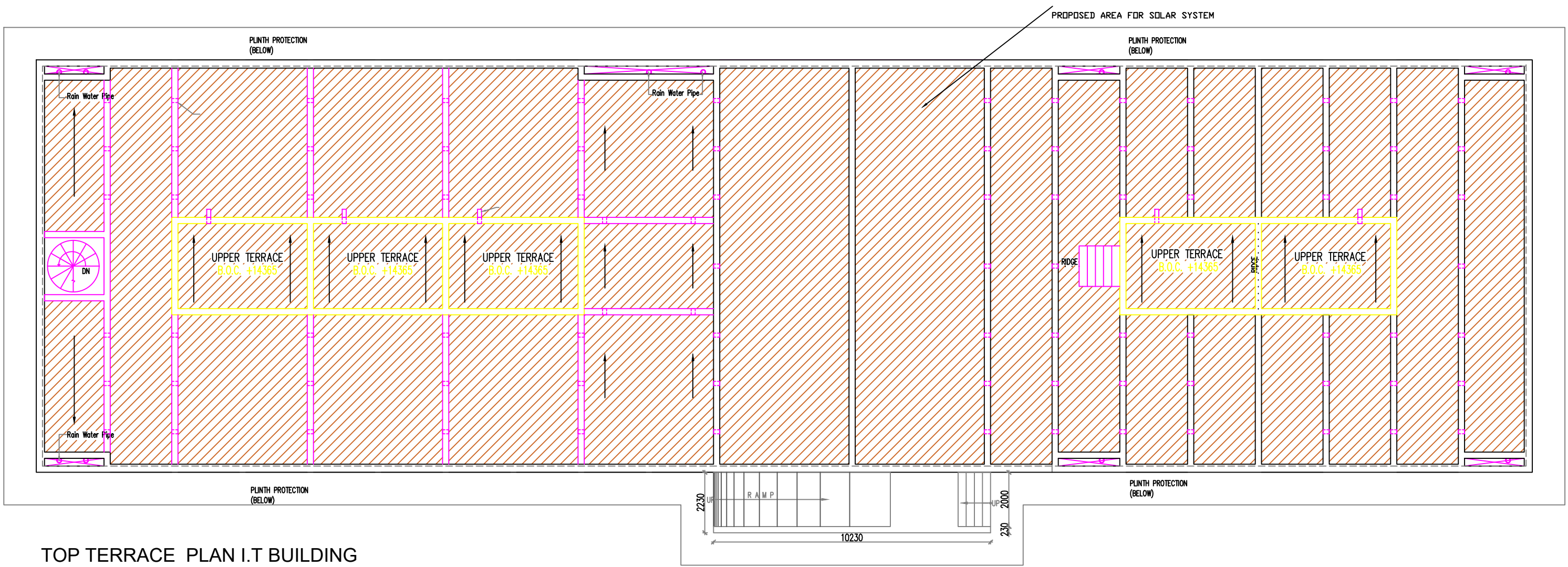
R7

R7

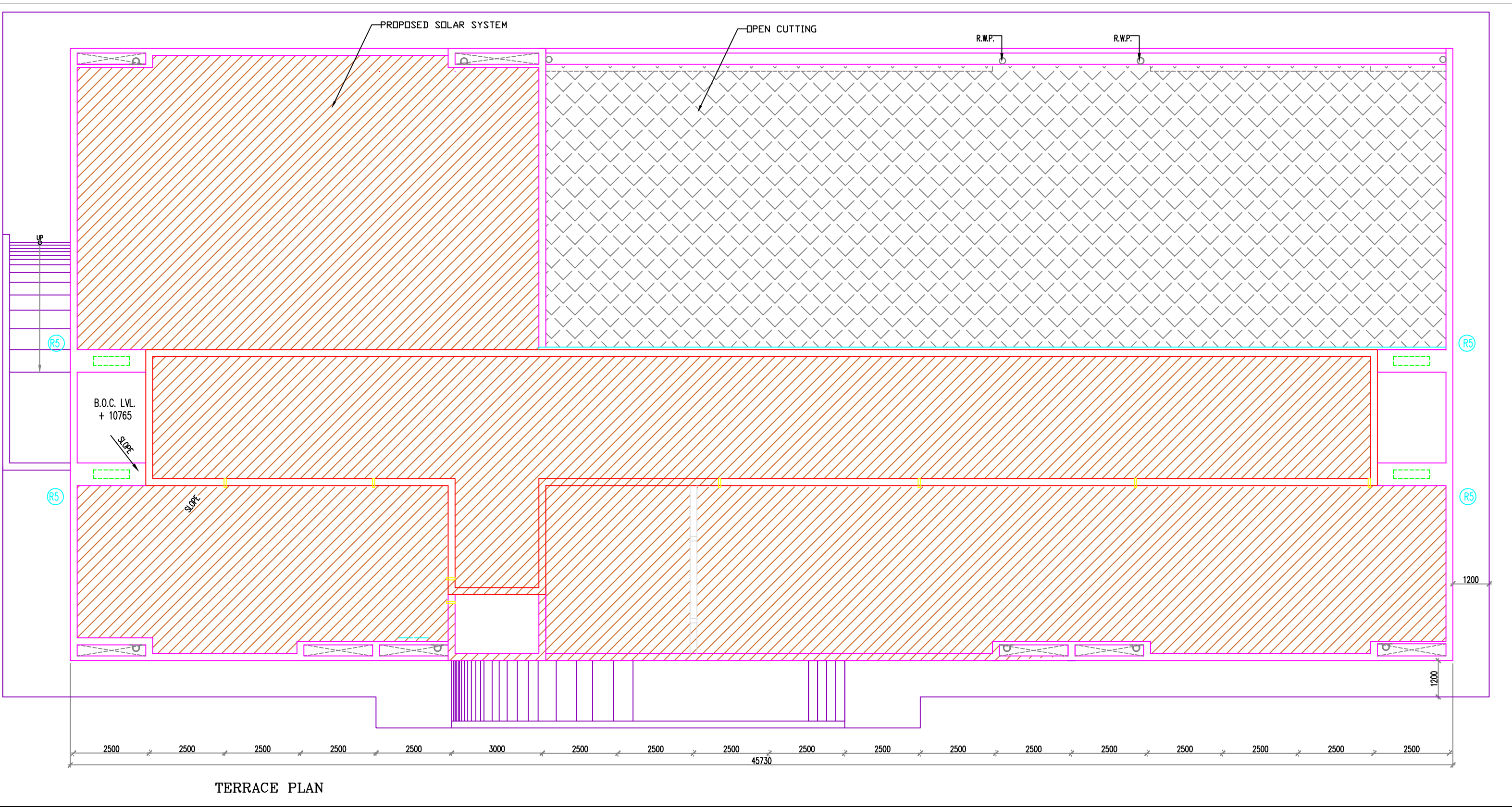


Proposed Area for Solar System

TERRACE PLAN
ADM BUILDING



TOP TERRACE PLAN I.T BUILDING



TERRACE PLAN