



TENDER DOCUMENT for “Civil Consultancy Services and other associated works for 8MW_{AC} Solar PV farm at Tamarind falls, Henrietta (Phase II), Mauritius”

Bharat Heavy Electricals Limited

(A Government of India Undertaking)

Solar Business Division, Prof. CNR Rao Circle, Opp. IISc,
Malleswaram, Bengaluru, Karnataka, India. Pin code: 560012

E-TENDER DOCUMENT

**“CIVIL CONSULTANCY SERVICES AND OTHER ASSOCIATED
WORKS FOR 8MW_{AC} SOLAR PV FARM AT TAMARIND FALLS,
HENRIETTA (PHASE-II), MAURITIUS”**

1. Project Location: Tamarind Falls, Henrietta, Mauritius

DATE OF INTIMATION: 08.07.2021

Part-I – TECHNICAL BID:

1. E-Notice Inviting Tender (E-NIT).
2. Technical-cum-commercial bid (to be filled-up and furnished by Bidders).
3. Instructions to Tenderer.
4. Technical Specification
5. Special Conditions of contract along with its Annexures – A to J
6. Tentative tender drawings
7. Unpriced Price Bid
8. Guideline for Reverse Auction

Part – II - PRICE BID:

1. Price Bid/Bill of quantities (BOQ).

SUBMISSION OF OFFER:

1. Being e-tender, offer shall be submitted online through e-tender portal: <https://eprocurebhel.co.in>. Offer to be submitted only on e-procurement portal. Hard copy of offer is not required to be submitted. Any offer received in Hard copy shall not be accepted and straightway rejected by BHEL.
2. Please ensure submission of offer before the due date and time. No other mode of submission is permitted. Late offers will be rejected.
3. All other terms and conditions will be as per tender conditions indicated in NIT.
4. Offer submission is bidder's responsibility, any issue arising while submitting the offer may be brought to the notice of BHEL well before tender due date and time so that BHEL has sufficient time to take suitable action, if any.
5. For relevant details please visit our website www.bhel.com and <https://eprocurebhel.co.in>. All subsequent corrigendum/amendment shall be published only on website. Hence, bidders are advised to always be in touch with our said website until the tender is finally opened.

Mowleeswaran Natesan,
Dy. Manager-Civil, BHEL-SBD

CONTRACTOR (SIGN & SEAL)



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E-NOTICE INVITING TENDER

BHEL-SBD Bangalore invites E-bid in two-part bid system (Part-I: Techno-commercial Bid; Part II: Price Bid) for following work from experienced and financially sound bidder who fulfil the qualifying criteria contained in the enclosed tender document:

1. TENDER No. / RFQ No.: SBD/ SCPV/ MAURITIUS/ 8 MW/ CS/02, Dt.: 08-07-2021
2. NAME OF WORK : CIVIL CONSULTANCY SERVICES AND OTHER ASSOCIATED WORKS FOR 8MW_{AC} SOLAR PV FARM AT TAMARIND FALLS, HENRIETTA (PHASE-II), MAURITIUS.
3. EARNEST MONEY DEPOSIT : NOT APPLICABLE
4. SECURITY DEPOSIT : NOT APPLICABLE
5. COMPLETION PERIOD : 12 MONTHS (FROM DATE OF PLACEMENT OF ORDER / NOTICE TO START THE WORK)
6. LAST DATE AND TIME FOR THE SUBMISSION OF DULY FILLED IN TENDER DOCUMENT : **ON 19.07.2021 BEFORE 01:00 P.M.**
7. SUBMISSION OF TENDER DOCUMENT : E-TENDER PORTAL: <https://eprocurebhel.co.in> (Please refer “Submission of offer”, page no.1 for details)
8. DATE AND TIME OF TECHNICAL BID OPENING : **ON 19-07-2021 AT 01:30 P.M. (INDIAN STANDARD TIME)**
9. DATE AND TIME OF PRICE BID OPENING : **WILL BE INTIMATED SEPARATELY**

NOTE:

- A. Tenderer shall return the duly filled in Tender document after affixing Signatures and seal on **all pages** of tender document and submit.
- B. BHEL reserve the right to accept or reject any of the bid/all bids or cancel/withdraw invitation for bid without assigning any reason whatsoever and in such case no bidder/intending bidders shall have any claim arising out of such action by BHEL.
- C. Separate intimation regarding award of work, availability of site/input to commence the work will be given to successful bidder.
- D. Firms banned by BHEL are not eligible to participate in the tender. The offer submitted by such a firms will not be opened for evaluation and no communication in this regard will be entertained. The list of firms is available on web site www.bhel.com. The offers of the bidders who are on the banned list as also the offers of bidders, who engage the services of the banned firms, shall be rejected.
- E. **Bidders are instructed to submit the tender document only through E-TENDER portal (Please refer page no. 1 for detail on “submission of offer”). No other mode of submission is allowed.**

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PRE-QUALIFICATION CRETERIA:

1. Bidder should have experience of similar works (i.e., Civil design consultancy services for power projects (or) large infrastructure projects) in British standard during last 7 years from the date of tender notice (and) should give an undertaking for compliance of Mauritius standard.
 - a) Three similar completed Civil design consultancy service for power projects (or) large infrastructure projects in British standard, each costing not less than an amount equal to 40% of NIT displayed value mentioned against each work in the tender notice (i.e., 40% of Rs.64 Lakhs = Rs.25.6 Lakhs, say Rs.26 Lakhs).
- OR
- b) Two similar completed Civil design consultancy service for power projects (or) large infrastructure projects in British standard, each costing not less than an amount equal to 50% estimated value mentioned against each work in the tender notice (i.e., 50% of Rs.64 Lakhs = Rs.32 Lakhs).
- OR
- c) One similar completed Civil design consultancy service for power projects (or) large infrastructure projects in British standard, each costing not less than an amount equal to 80% estimated value mentioned against each work in the tender notice (i.e., 80% of Rs.64 Lakhs = Rs.51.2 Lakhs, say Rs.51 Lakhs).
2. Bidder should submit the undertaking for deployment of Mauritius Registered professional Engineer, as per BHEL instruction.
3. Average annual financial turn over during the last 3 years, ending 31st March of the previous financial year, should be 30% of the NIT displayed value (i.e., 30% of Rs.64 Lakhs = Rs.19.2 Lakhs, say Rs.19 Lakhs).

Note:

1. **Offers of the Tenderers not meeting the above requirements are liable to be rejected.**
2. **Please ensure submission of offer before the due date and time. No other mode of submission is permitted. Late offers will be rejected.**
3. All the supporting documents to be signed and sealed by the bidder (BHEL have the rights to verify the original documents if required)

CONTACT FOR CLARIFICATION/s:

Sl. No.	Name of BHEL Representative	Contact No.	E-mail ID
1	Mowleeswaran Natesan	080-26998497 / 9886604404	mowlee@bhel.in

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Bharat Heavy Electricals Limited
TECHNICAL-CUM-COMMERCIAL BID

(To be filled-up and furnished by Bidders)

1.1 GENERAL INFORMATION

Sl No	Detail/Particulars	Remarks by BHEL, if any
1.1.1	<u>Name of Company:-</u>	
1.1.2	Date of Incorporation/Establishment :- (Please attach Certificate of Incorporation)	
1.1.3	Country of Origin:	
1.1.4	<u>Registered Office Address:-</u> (All correspondence with BHEL, shall be communicated to this address only) ➤ Tel No : ➤ Fax No : ➤ Email ID: ➤ Web site :	
1.1.5	<u>Head Office Address:-</u> ➤ Tel No : ➤ Fax No : ➤ Email ID: ➤ Web site :	
1.1.6	<u>Mailing Address:-</u> ➤ Tel No : ➤ Fax No : ➤ Email ID: ➤ Web site :	
1.1.7	<u>Officer to be contacted:-</u> Name & Address ➤ Tel No : ➤ Fax No : ➤ Email ID:	

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TECHNICAL-CUM-COMMERCIAL BID**

(To be filled-up and furnished by Bidders)

Sl No	Detail/Particulars	Remarks by BHEL, if any
1.1.8 i	<u>Branches:-</u> Address:- ➤ Contact Person: ➤ Tel No : ➤ Fax No : ➤ Email ID :	
ii	Address:- ➤ Contact Person: ➤ Tel No : ➤ Fax No : ➤ Email ID :	
iii	Address:- ➤ Contact Person: ➤ Tel No : ➤ Fax No : ➤ Email ID :	
1.1.9 i	<u>Sister Concerns if any:-</u> Address:- ➤ Contact Person: ➤ Tel No : ➤ Fax No : ➤ Email ID : ➤ Web site :	
ii	Address:- ➤ Contact Person: ➤ Tel No : ➤ Fax No : ➤ Email ID : ➤ Web site :	

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1.2 OWNERSHIP INFORMATION

1.2.1	TYPE OF COMPANY (please tick “√” any one applicable)	Documents to be submitted	Remarks by BHEL, if any
i	Government Undertaking <input type="checkbox"/>	Supporting documents to be enclosed	
ii	State Govt. Undertaking <input type="checkbox"/>	Supporting documents to be enclosed	
iii	Public Limited Company <input type="checkbox"/>	Supporting documents to be enclosed	
iv	Private Limited Company <input type="checkbox"/>	Supporting documents to be enclosed	
v	Co-operative Society <input type="checkbox"/>	Supporting documents to be enclosed	
vi	Partnership Firm <input type="checkbox"/>	Supporting documents to be enclosed	
vii	Proprietorship <input type="checkbox"/>	Supporting documents to be enclosed	
viii	Any Other (specify) <input type="checkbox"/>	Supporting documents to be enclosed	

1.2.2	DIRECTOR/PARTNER/OWNER/PROPRIETOR INFORMATION	Position Held In Company	Remarks by BHEL, if any
i			
ii			
iii			
iv			

1.2.3 DIRECTORS / PARTNERS, IF RELATED TO ANY BHEL EMPLOYEE.

NAME :
STAFF NO. :
DESIGNATION :
Unit & DEPARTMENT :
RELATIONSHIP :

1.2.4 IF ANY EX-BHEL PERSONNEL IS EMPLOYED BY THE COMPANY, MENTION HIS / HER DETAILS OF LAST POSTING.

NAME :
STAFF NO. :
DESIGNATION :
UNIT & DEPARTMENT :
DATE OF LEAVING SERVICE :

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1.3 REGISTRATION PARTICULARS

Sl No	Description (PLEASE INDICATE PARTICULARS IN THE SPACE PROVIDED FOR EACH)	Documents to be submitted	Remarks by BHEL, if any
a	INCOME TAX (PERMANENT ACCOUNT NUMBER):-	Copy of Certificate	
b	GOODS AND SERVICES TAX REGISTRATION	Copy of Certificate	
c	PROVIDENT FUND Registration	Copy of Certificate	
d	BHEL (any regions/units)	Copy of Certificate	
e	CENTRAL PUBLIC WORKS DEPARTMENT/Government Organizations / PUBLIC SECTOR UNIT	Copy of Certificate	
f	Geological Survey Of India/Equivalent	Copy of Certificate	
g	NABL	Copy of Certificate	
h	MSE (OR) QUALIFYING PPP-MII, ORDER 2017	Copy of Certificate	
i	Accreditation to ISO / OHSAS	Copy of Certificate	
j	Any Other Registration	Copy of Certificate	

1.4	MANPOWER, MACHINERIES, TOOLS AND TACKLES	Remarks by BHEL, if any
A	Organisation Strength: (Manpower List to be enclosed)	
B	Machineries, Tools and Tackles: (List to be enclosed)	

1.5	BANKING DETAILS OF COMPANY	Remarks by BHEL, if any
	Information of Bank Account of Company (Bidder to provide as per BHEL format attached)	Duly filled and certified by bank, form to be submitted along with Cancelled cheque

1.6	PQC: RELEVANT WORK EXPERIENCE,	Bidder's Acceptance	Remarks by BHEL, if any
A	Bidders shall fulfill PQC conditions as per page no. 3. Supporting document to be submitted by the bidder. Bidder should submit the work experience certificate/completion certificate:	Accepted / Not Accepted	
B	Bidder shall submit the undertaking for deployment of Mauritius Registered professional Engineer, as per BHEL instruction.	Accepted / Not Accepted	
C	Bidder shall comply to Mauritius local laws (as may be applicable) as listed in “Technical specification”, but not limited to:	Accepted / Not Accepted	

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1.7 FINANCIAL INFORMATION FOR THE PREVIOUS THREE YEARS

Sl. No	Financial Information	Financial Value in Indian Rupees in Lakhs / Euros (Audited)		Remarks by BHEL, if any
		Year	Value in Indian Rupees in lakhs / Euro	
i	TURN OVER (Last three Financial Years) (Supporting documents to be submitted by Bidder)			
		Average		
ii	Copies of Audited Annual Accounts (Balance Sheet, P&L Account, Cash flow statement, income tax returns) for the last three (3) years to be submitted.			

1.8	BHEL PAYMENT TERMS AND CONDITION	Bidder's Acceptance	Remarks by BHEL, if any
A	a. No Advance payment: b. Payments are proposed to be made as per Bill of Quantities and stages of payment (as mentioned in, “special conditions of contract”, page no. 23 to 25) and the actual work done, taking into account the recovery of statutory deductions, etc.: c. Price variation clause not applicable: d. Payment shall be made in INR:	Accepted / Not Accepted	
B	Bidder shall be agreeable to make all necessary statutory payments as per BHEL EDN terms and conditions	Accepted / Not Accepted	

1.9	LIQUIDATED DAMAGE / PENALTY (as per page CL. 17, Page 30)	Bidder's Acceptance	Remarks by BHEL, if any
A	a. Rate of compensation for delay @ 0.5 percent per week. b. The total amount of compensation for delay to be paid under condition shall not exceed @ 10 percent of anticipated value of work.	Accepted / Not Accepted	

2.0	CANCELLATION OF CONTRACT	Bidder's Acceptance	Remarks by BHEL, if any
A	If the bidder fails to perform as per the terms and conditions of NIT / BHEL, BHEL reserves the right to cancel the contract and get the work done from other contractor at the risk and cost of the bidder	Accepted / Not Accepted	

3.0	BHEL RESERVES RIGHT TO CONDUCT REVERSE AUCTION:	Bidder's Acceptance	Remarks by BHEL, if any
	“BHEL shall be resorting to Reverse Auction (RA) (Guidelines as available on www.bhel.com) for this tender. RA shall be conducted among all the techno-commercially qualified bidders. Price bids of all techno-commercially qualified bidders shall be opened and same shall be considered as initial bids of bidders in RA. In case any bidder(s) do(es) not participate in online Reverse Auction, their sealed envelope price bid along with applicable loading, if any, shall be considered for ranking.”	Accepted / Not Accepted	

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INSTRUCTIONS TO TENDERER

1.0 Preamble

BHEL-SBD, Bangalore, a UNIT of Bharat Heavy Electricals Limited, a MAHARATNA public sector Enterprise is in the field of setting up grid connected Solar PV plants in various parts of the country as an EPC solution. BHEL secured a contract for setting up 8MWac Solar PV farm at Tamarind falls, Henrietta (Phase II), Mauritius on EPC basis. Further, for carrying out Civil consultancy services and deployment of Mauritius registered professional engineer, BHEL desires to engage reputed agencies through open tender basis to carry out the said work.

- 1.1 Vendor/Contractor to furnish all details in BHEL furnished format covering the following details.
 - a) Company profile & organizational information
 - b) Country of origin
 - c) Ownership information
 - d) Registration particulars
 - e) Manpower
 - f) Other particulars.
 - g) Bank details of the Company
 - h) Quality Systems
 - i) Financial Information for the previous 3 years or from the date of commencement operation whichever is later.
 - j) Resources owned by the company
 - k) Work Experience.
- 1.2 All columns are to be filled up in the space provided for. Separate sheets may be attached if the space provided is insufficient or if additional information to be given.

2.0 Evaluation of Tender:

(A) Technical Evaluation:

1. BHEL-SBD shall evaluate the tender based upon (a) technical competency, (b) financial soundness and (d) other terms and condition as specified in tender NIT. BHEL shall intimate the technically qualified/shortlisted vendors/contractors.
2. BHEL decision on this will be final.
3. BHEL at their discretion shall inspect the vendor/contractor works/premises/sites for evaluation.

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(B) Price Bid Evaluation:

1. BHEL shall conduct Reverse Auction (RA) among all technically qualified Bidders to finalize the price.
2. BHEL shall be resorting to Reverse Auction (RA) (Guidelines as available on www.bhel.com) for this tender. RA shall be conducted among all the techno-commercially qualified bidders.
Price bids of all techno-commercially qualified bidders shall be opened and same shall be considered as initial bids of bidders in RA. In case any bidder(s) do(es) not participate in online Reverse Auction, their sealed envelope price bid along with applicable loading, if any, shall be considered for ranking.
3. BHEL reserves the right for discussion/negotiation with lowest bidder (L1).

4.0 General Instruction to Tenderers:

1. All entries in tender documents should be in one ink (preferably blue ink). Erasing and overwriting is not permitted. All corrections should be duly signed by tenderer concerned.
2. Tenderers shall fill in all the required particulars in the blank space provided for this purpose in the tender documents and also sign in each and every page of the tender document/s attached before submitting tender.
3. Unit rate/percentage above or below estimate should be quoted in figures as well as in words in Indian Currency only i.e., Rupees and Paisa with reference to each item and for the items shown in the rate schedule. These rates shall be for the finished work at site. The rate shall include all taxes and duties payable on account of Octroi, Sales Tax, tax on work contract etc., and also expenses towards PF and ESI contributions and all other expenses related to work.
4. In case the rate quoted in figures differs from those quoted in words, the lower of the rates quoted will be taken as the tendered rate and shall be binding on the tenderer.
5. In Price bid, bidders are advised to quote their best prices (% over the estimate +/_) as no further price bids will be accepted in case BHEL decides to open price bids instead of reverse auction.
6. Bidders to submit the unpriced copy of the price schedule for compliance to the terms and quantities indicated in the price schedule along with the technical bid duly stamped according their acceptance. (Mandatory requirement).
7. The tenderer shall note that, No Claim for variation of rates, on the ground that existing statutory levies have been increased / decreased or those new statutory levies have come into effect after tender, or on any other ground, will be entertained.

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- 8.
- (a) During tender process, the rate quoted in the tender shall remain valid for a period of ‘THREE MONTHS’ from the date of opening tender.
 - (b) Tenderer shall not increase quoted rates, once the tenderer has submitted offers/quotation/price and during execution of contract in case tender is accepted.
 - (c) Successful bidder should execute the work strictly in accordance with Tender schedule quoted rates as accepted by BHEL.
 - (d) The rates quoted shall be inclusive of all taxes (as applicable), excluding GST (GST to be quoted separately in the respective column).
9. Before tendering, the tenderer is advised to be well versed with BHEL Conditions of Contract, instruction to the tenderers, special condition of contract, technical specification, schedule of works and all other documents of NIT, which form part of the agreement to be entered into subsequent to award of work. The tenderer should be specially note that it is tenderers responsibility to provide any items which is not specifically mentioned in the specifications and scope, but which is necessary to complete the work and tenderers shall make his own arrangements for the transport of personnel and equipment to the site and for the stay and boarding facilities of their team at site during the course of work. Vendor shall ensure safety of the team and personnel at site during the execution of work. General conditions of contract of BHEL-SBD Bengaluru shall be subject to applicability /non-applicability of individual clauses.
10. The details and quantities of each item of work, contract stipulation time period has been furnished in the tender document. The quantity mentioned in BOQ is tentative and may vary as per project requirement. The payment shall be made as per actual work done and certified by BHEL Engineer.
11. In the event of the tender being submitted by a firm the tender must be signed separately and legibly by each partner or member of the firm or in their absence, by the person holding the power of Attorney on behalf of firm concerned. In the later case, a copy of the power of Attorney duly attested by the Gazetted Officer must accompany the tender.
12. The BHARAT HEAVY ELECTRICALS LIMITED reserve the right to reject any or all the tenders received or accept any tender or part thereof without assigning reason thereof. In the case of acceptance of a part of tender, the time for completion may also be reduced to the extent considered necessary by the accepting authority.
13. Conditional and Unsigned tenders, tenders which are incomplete or otherwise considered defective, tenders which are not in accordance with the tender conditions laid down by the accepting officer and tenders not submitted in the prescribed forms are liable to be rejected.
14. The Contractors responsibility under this contract shall commence from date of receipt of the work order or acceptance of the same.

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15. Being E-Tenders, the tender shall be submitted through E-tender website well within the due date and time of submission. Tenders received after the due date and time of opening tenders are liable to be rejected.
16. Scope of works of tenderers includes deployment of manpower, equipments etc. to carry out the Civil design consultancy services etc. as per condition of contract, Technical specification and schedule of works. BHEL shall not provide any equipment/ manpower / material for the work.
17. Any covering letter and comments of the tenderer should be submitted along with the offer.
18. Should a tenderer or a contractor has a relative or in the case of firm or company, any of its shareholders relative is employed in Bharat Heavy Electricals Limited, the authority inviting tenders shall be informed of this fact at the time of submission of the tender, failing which tender may be disqualified or if such fact subsequently comes to light.
19. Contractor shall insure all his laborers and material (as applicable). Any claim by his Employees for damages shall be settled by the Contractor even if action is against BHEL or to reimburse the legal expenses incurred by BHEL.
20. Any claim arises by/for the deployment of Mauritius Professional registered Engineer by any agency (or) government department shall be settled by the contractor without any additional cost to BHEL.
21. Any action brought in by anybody on BHEL regarding patent, right etc., used by Contractor in execution of work shall be defended by the Contractor and / or reimburse BHEL the cost of the same.
22. The standards/codes (in original) required to complete civil design works, i.e., pertaining British standard, Mauritius standard, European standards and/or any Indian/international standards shall be purchased by the contractor and shall be submitted to BHEL.
23. Contractor shall produce necessary records, documents; explanation whenever he is called upon to do by any Government Agencies.
24. In case, work is not completed as per the BHEL scope due to any unforeseen reasons, contractor has to complete the job at later stage without any extra charge. No overrun charges shall be paid in case of extension of work schedule.
25. Bidders should study the prevailing Market trend of Construction materials/laborers/other relevant requirement before quote and submit the competitive price.
26. The bidders should carry out preliminary survey at proposed work site before submission of offer to ensure that the rate quoted for the relevant schedule of items are correct.

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27. The tenderers should enclose relevant documents regarding constitution of firm i.e. Individual / Sole Proprietorship Concern / Partnership Firm / Public Limited Company / Private Limited.
28. If proprietor or partner of a firm expires after the submission of tender or after the acceptance of tender, BHEL reserves the right to cancel the contract if the character of the firm undergoes a substantial change.
29. THE BHARAT HEAVY ELECTRICALS LIMITED will not be bound by any power of Attorney granted by the tenderer or changes in the composition of firm made subsequent to signing of the contract. They may however recognize such power of Attorney and changes after obtaining proper legal advice.
30. If the tenderer deliberately gives wrong information on tender regarding past unsatisfactory performance with BHEL sister units, BHEL reserves the right to reject such tender at any stage including contract execution period and action may be taken as per BHEL policies and terms and condition.
31. Words imparting the singular number shall also be deemed to include the plural number and vice-versa where the context so require.
32. The General instruction and Special Conditions of contract are complementary to each other and where they are in conflict, the special condition shall prevail.
33. The expenses for completing the stamping agreement (as applicable) shall be paid by the contractor.
34. Unless or otherwise stated above tendered work includes men, material, machine and commissioning of equipment (as applicable) as agreed to in the contract.
35. After completing of the job, the contractor has to submit the unprotected copy of actual drawings and design document in soft copies (AutoCAD, Excel, STAAD, Word files, etc.,) of work done in consultation with Engineer-in-charge.
36. Any covering letter and comments of the tenderer should be submitted along with the offer.
37. The bidders are advised to take into account the cost of all materials as may be required for completion of the work. All the construction materials (as applicable) should be approved by BHEL before commencement of work.
38. Should a tenderer or a contractor has a relative or in the case of firm or company, any of its shareholders relative is employed in Bharat Heavy Electricals Limited, the authority inviting tenders shall be informed of this fact at the time of submission of the tender, failing which tender may be disqualified or if such fact subsequently comes to light.

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39. These ‘INSTRUCTIONS TO TENDERER’ & GENERAL CONDITIONS OF CONTRACT OF BHEL’ shall be deemed to form an integral part of the Contract agreement for the work to be entered into. The Contractor has to scrutinize the same, and when submitting his tender, indicate his acceptance of both.
40. All operations to be carried out by the Contractor during the execution of the contract such as design, drafting, deployment of Mauritius professional registered engineer, etc., shall be done with proper manpower and machinery to be brought by the tenderer as per instruction of BHEL. Contractor shall make his own power and water supply as may be required.
41. The Contractor shall comply with the provision of Employees Provident Fund’s and miscellaneous Provisions Act 1952 and rules, regulations and other orders issued there under. He as an employer shall be liable to pay employer’s contribution/deductions towards PF under the PF Act in respect of all labour employed by him for the execution of the contract in accordance with the provisions of the Employees’ Provident Funds and Miscellaneous Provisions Act, 1952 as amended from time to time. For this purpose, he shall indicate the code number obtained from the Regional Provident Fund Commissioner or he should obtain a code number if he has not and produce the Photostat copy of the challan receipt of monthly remittance of the contribution made by him to the Commissioner. He shall also furnish such returns such returns as are due, under the Act, to be sent to the appropriate authorities through the Principal Employer”.
42. The Contractor should get himself registered with the E.S.I Authorities as an independent Employer, obtain a separate code number and remit the dues in respect of the Labour employed by him for the work and produce the challan/Receipts of remittance of the ESI contributions due under the E.S.I Act to the Company authorities. He shall also furnish such returns, as are due, under the Act, to be sent to the appropriate authorities’ through the Principal Employer. The contractor can remit their ESI & PF through a sub-agent who processes the ESI & PF code and agrees to enter an MOU with the contractor.
43. If any action is brought in by P.F. Commissioner/ESI authorities on BHEL for the work done by the Contractor for his labourers regarding PF/ESI amount due, short remittances, non-remittances etc., the Contractor shall defend the case on behalf of BHEL and / or reimburse BHEL the expenses so incurred.
44. The Contractor shall apply and obtain license under Contract labour (R&A) Act 1970 (as applicable) and comply the relevant provisions of this Act in respect of the labour employed by him for executing this contract. The contractor shall furnish necessary returns to the authority through the Principal Employer.
45. Contractor shall insure all his labourers and material. Any claim by his Employees for damages shall be settled by the Contractor even if action is against BHEL or to reimburse the legal expenses incurred by BHEL.

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46. Any action brought in by anybody on BHEL regarding patent, right etc., used by Contractor in execution of work shall be defended by the Contractor and / or reimburse BHEL the cost of the same.
47. Contractor shall produce necessary records, documents; explanation whenever he is called upon to do by any Government Agencies.
48. Contractor should obtain “Workmen Compensation Policy” for their Employees.

49. Extra Items

No extra items of work shall be carried out by the contractor other than those authorized to do so in writing by the Engineer-in-charge. For any such items of work executed as per instructions of Engineer- in-charge, the rates will be fixed on the basis indicated as per terms and conditions of BHEL.

50. Participation in the tender:

In event of multiple Bids of related parties like sister concern, common representative, same signature or same phone nos. on the bids or any other documents which can prove that the two companies are related to each other, the same shall be treated as Cartel formation and BHEL will not accept such multiple bids. Hence bidders are advised to submit only one bid from among the related parties.

51. Information to The Tenderer:

- I. Successful Bidder should establish their Site office at Construction site, including common facilities such as toilet, water, electricity etc. in consultation with BHEL. Contractor has to arrange water and power as required for completing the job in the stipulated time frame at their own cost.
- II. The bidders should furnish “Certificate of Declaration Confirming the Knowledge of Site Condition” in Annexure enclosed herewith.
- III. Bidders should study the prevailing Market trend of Electrical materials/laborers/other relevant requirement before quote and submit the competitive price.
- IV. The bidder should encourage to use local labor that has the necessary skills as per the requirement of work.
- V. Before engaging the labour in to work, Contractor should get the NOC from labours’ native police station as well as NOC from local police station (If applicable).
- VI. The bidders should carry out preliminary survey at proposed construction site before submission of offer to ensure that the rate quoted for the relevant schedule of items are correct.

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- VII. Contractor to note BHEL reserves the right to get any part of the work done through other agency or deploy BHEL's own/hired/otherwise arranged resources, at the risk and cost of the contractor after due notice of a period of two weeks by BHEL, in the event of:
- Contractors continued poor progress
 - Withdrawal from or abandonment of the work before completion of the work.
 - Contractor's inability to progress the work for completion as stipulated in the contract.
 - Poor quality of work
 - Corrupt act of Contractor
 - Insolvency of the contractor
 - Persistent disregard to the instructions of BHEL
 - Assignment, transfer, sub-letting of contract without BHEL's written permission
 - Non fulfillment of any contractual obligations
 - In the opinion of BHEL, the contractor is overloaded and is not in a position to execute job as per required schedule.
- VIII. The liquidated damages/penalties arising out of Risk and Cost as explained under Sl.no (vii). BHEL shall recover the amount from any money due from Contractor, or from any money due to the contractor including security deposit, or by forfeiting any T & P or material of the contractor under this contract or any other contract of BHEL or by any other means or any combination thereof.
- IX. Documents to be submitted on award of work (as applicable):
- Acceptance of work order.
 - Electronic Fund Transfer Form duly signed & sealed by banker along with cancelled cheque copy.
 - Any other document as may be required by BHEL.
- X. The following documents are to be submitted along with the Running Account Bills for process of payment
- Tax Invoice with details of GST number of BHEL and contractor.
 - Measurement books duly filled and signed by officials of BHEL and contractor
 - Invoice submitted along with running bills to indicate the GST amount charged and bear GST NUMBER etc. as per prevailing taxes. Bill submitted subsequently to be accompanied with a declaration that GST liability on the earlier bill has been discharged.
 - by paying money to the Government (along with Tax paid Challan Copy)
 - by utilization of Input GST Credit
 - Any other document as may be required by BHEL.

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TECHNICAL SPECIFICATION

1. INTRODUCTION:

The contractor shall comply with the tender document of the owner (M/s CEB Green Energy Co. Ltd.) and its obligations in relation to the preparation, submission and approval of any documents, including but not limited to correspondence, drawings, calculations, letters, method statements, and programmes. The complete technical specification of the owner shall be furnished to the successful bidder.

The bidders are required to submit the drawings and documents both hard copy and electronic form to BHEL for review and comments. After confirmation from BHEL the drawings and documents shall be submitted in three hard copies to owner (M/s CEB Green Energy Co. Ltd.).

Drawings for approval shall be submitted in one copy of paper prints and, after having been approved, the contractor shall supply any further copies required by the BHEL and owner, one copy at least on a digital media in AutoCAD format or other agreed 3D format.

The civil consultancy services and other associated works shall include the engineering, design, drafting, drawing, etc., among others, of the following:

- 1) Chain link fencing of the project sites
- 2) Leveling and grading of ground as per system requirement and instruction of BHEL
- 3) Retaining walls as and where required as per BHEL and owner's requirement
- 4) Access roads within the enclosed plots and to connect the two plots
- 5) Storm water drainage system
- 6) Foundation for Module Supporting Structures
- 7) Foundation for electrical equipment/poles, etc.,
- 8) Structural and Architectural, Design & drawings of two-stored concrete Solar facility building
- 9) Structural and Architectural, Design & drawings of concrete gate post building with toilet facility
- 10) Electrical details required for concrete buildings like electrical conduit detail and drawing for Solar facility building and gate post building
- 11) Submission of Architectural drawings (at all stages) signed by a Mauritius professional registered Architect.
- 12) Submission of structural calculations and drawings for structural design (at all stages), signed by a Mauritius professional registered civil structural Engineer.
- 13) Sewer system for toilets including manholes, septic tank and absorption pits.
- 14) Asphalted Parking platform
- 15) Asphalted driveway from the gate to the building and parking.
- 16) Different types of track roads.
- 17) Compact stations inclusive of bases and access roads.
- 18) Structure for stream crossing as and where required as per BHEL and owner's requirement.
- 19) Landscaping

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All drawings shall be to scale and fully detailed. All-important dimensions shall be given and the material of which each part is to be constructed shall be indicated clearly.

The Contractor shall carry out all enabling works (diversion of services, provision of site offices, temporary access, storage and welfare facilities etc.) that are required for the completion of the civil consultancy services and other associated works (like deployment of Registered Professional Civil Engineer at site) and building works. The Contractor shall provide a Registered Professional Civil Engineer to supervise and approve the civil engineering works during the construction works as per instruction of BHEL.

The drawings provided as input data for the substation civil design shall be provided as a 3D model suitable for use by internationally accepted and used 3D design software packages as per requirement of owner and BHEL.

Any additional design and/or drawing required as per system requirement like fire wall design and drawing, etc., shall be made by the contractor.

Contractor shall provide necessary design and drawing to control surface drainage from cuts and fills and measures to prevent erosion and sedimentation as per instruction of BHEL.

The Contractor shall make its own estimate of the types and of the extent of the various materials to be required to accomplish the above works.

The geotechnical investigation report and required input for design shall be furnished by BHEL to the successful bidder (or) as per demand.

Based on the design documents, drawings prepared by the design agency, BHEL will issue separate tender(s) for appointment of Contractors for civil construction work at project sites. Agency shall also vet the design and drawings submitted by other vendors, if required by BHEL. This Scope of work cum technical specification shall be read in conjugation with Bill of Quantities (BOQ) provided in tender document.

2. SCOPE OF WORK:

Preparation & submission/correction/resubmission of optimized and most economical engineering design & drawing including obtaining their approval from Customer/customer's consultant based on BHEL's input and BHEL's/Customer's Specification for civil, structural, architectural, electrical, plumbing & sanitary, fire systems & ventilation systems, landscaping etc. and other related infrastructural works.

The detailed design & drawing work shall include, but not limited to:

- I. Verification of all input data, criteria and information contained in the contract documents.
- II. Generation of all design data, criteria and information required for the completion of work including liaison and interfaces with BHEL/Customer.

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- III. Analysis and design on standard applicable software like STAAD pro, etc., and/or in house generated EXCEL or other programs by qualified and experienced design engineers. All calculations shall be prepared in a neat, sequential, comprehensive form and properly checked to ensure their correctness and completeness.
- IV. Preparation of construction drawings with sufficient detailing so that no difficulty is faced by site engineer/construction contractor during execution.
- V. Providing Bill of quantities (BOQ) for construction and estimate as per local rates of Mauritius in INR. For estimation, the local applicable rate with sufficient back-up papers (local contractors budgetary quotation) or as per instruction of BHEL shall be furnished.

Visit to project site or Customer's or Customer's consultant office: The Design Agency shall depute their engineer(s) to site or Customer's office or Customer's consultant office for any clarification, approval and site co-ordination during design stage as well as in execution stage etc. as and when required by BHEL/Customer/Customer's consultant.

The scope of work includes but not limited to, the complete civil design, architectural drawings, equipment layout drawings, structural/construction drawings, electrical layout drawings (conduit drawing for concrete buildings), plumbing & sanitary system layout drawings, fire system & ventilation system drawings (as applicable), etc.

Agency shall also vet the design and drawings submitted by manufacturer's, as required by BHEL.

Deployment of one Mauritius Professional Registered Civil Engineer (with an experience of at least 10 years) for Monitoring/supervising, certification/approval of works at site, bills, etc. as per requirement and instruction of BHEL.

3. SPECIFIC TECHNICAL REQUIREMENTS:

The specific technical requirements shall be as per tender document of the owner (M/s CEB Green Energy Co. Ltd.) provided by BHEL to the successful bidder after award of work.

The Design Agency shall interact closely with BHEL engineering group for any input/clarification and subsequently, finalize the required details. The design & drawings shall be revised by the agency as per Customer's / customer's consultant/ BHEL's Comments till final construction of the building/ structures/ foundations etc. at project site. No claim of extra payment on account of these revisions shall be entertained.

The design shall be carried as per relevant British standard, Mauritius Standards, European Standards and/or international standards as found applicable as per requirement of BHEL and the owner as approved. For designing latest version of codes shall be used.

The standards/codes (in original) required to complete civil design works, i.e., pertaining British standard, Mauritius standard, European standards and/or any Indian/international standards shall be purchased by the contractor and shall be furnished to BHEL with license.

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4. COMPLETION SCHEDULE:

After receipt of work order, a detailed schedule giving list of design documents and drawings and their submission dates shall be prepared jointly by BHEL & Design Agency based on concurrent working meeting the construction schedule. This detailed schedule shall be the time schedule of the project and any delays attributable to agency in any activity shall be counted by this schedule. As the design and drawings will be approved by Customer, therefore time taken by customer in approval is also important for early completion of work. The agency is required to interact with customer and ensure minimum approval time. The detailed time schedule is as follows:

Completion Schedule			
SL NO	DESCRIPTION OF THE WORK	DESIGN / DRAWINGS ACTIVITY	SUBMISSION TIME (Days)
1	Design & getting approval from OWNER/OWNER's CONSULTANT along with Mauritius Registered Engineers/architect certification of all structural, civil and architectural drawings, designs of RCC Buildings including electrical details - drafting, delivery of design documents for Control room (two storied building), Guard (security) room building, etc., as per specifications detailed by BHEL. Details of necessary (STAAD (or) any other software) calculations etc. to be submitted for getting OWNER/OWNER's CONSULTANT approval. (Design shall be as per British Standard/Mauritius Standard or standard as directed by BHEL/Owner/Owner's Consultant). (For measurement, outer wall to outer wall dimensions in meters shall be considered) (Payment shall be made on per sq. Meter basis irrespective of no. of design documents and drawings made for unique building as per instruction of BHEL)	R0 Submission: (Nos of days from receipt of input from BHEL)	5
		Resubmissions: Revised drawings shall be submitted by agency within receipt of comments from Customer/BHEL. (Nos of days for each revision)	3
2	Design & getting approval from OWNER/OWNER's CONSULTANT along with Mauritius Registered Engineers/architect certification of all structural, civil and architectural drawings, designs of unique structures (except RCC building as listed in Sl. No.1 above) including electrical details - drafting, delivery of design	R0 Submission: (Nos of days from receipt of input from BHEL)	5

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	documents for Chain link fencing, gate, Compact Sub-station (CSS) foundation, pump house, river cross over structure, Module mounting structure (MMS), MMS foundations, Roads ,pathways, Drains, landscaping, Rain water harvesting, UG water tank, Rain Water harvesting system, retaining wall, slope protection, etc., as per specifications detailed by BHEL. Details of necessary (STAAD (or) any other softwares) calculations etc. to be submitted for getting OWNER/OWNER's CONSULTANT approval. (Design shall be as per British Standard/Mauritius Standard or standard as directed by BHEL/Owner/Owner's Consultant). (Payment shall be made on per unique structure basis irrespective of no. of design documents and drawings made as per instruction of BHEL)	Resubmissions: Revised drawings shall be submitted by agency within receipt of comments from Customer/BHEL. (Nos of days for each revision)	3
3	Submission & getting approval from OWNER/OWNER's CONSULTANT along with Mauritius Registered Engineers and architect certification on Master plan layout drawing (including all facilities like buildings, structures, MMS array, Road, pathways, Drains, street light, any other misc. structures, etc. including electrical details) as per specifications and instruction detailed by BHEL. Details of necessary soft copies (AUTOCAD copy (or) any other softwares copies) to be submitted to BHEL after getting OWNER/OWNER's CONSULTANT approval. (All design shall be as per British Standard/Mauritius Standard or standard as directed by BHEL/Owner/Owner's Consultant). (Payment shall be made on per unique drawing basis irrespective of no. of design documents and drawings made as per instruction of BHEL)	R0 Submission: (Nos of days from receipt of input from BHEL)	7
		Resubmissions: Revised drawings shall be submitted by agency within receipt of comments from Customer/BHEL. (Nos of days for each revision)	3

Notes:

1. All inputs shall be provided by e-mails in soft copy. The date of e-mail sent by BHEL shall be considered date of input.
2. The agency shall immediately acknowledge the receipt of input.
3. Inputs received shall be processed simultaneously.

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5. DOCUMENTATION AND REPORTING:

All design documents including electronic outputs shall be neatly typed, produced on A4 size paper and shall have a ‘Cover Sheet’ (To be provided later).

All drawings shall be generated in AutoCAD as per standard sizes (viz. A0, A1, A2, A3 & A4) and shall have a ‘Title Block’ (To be provided later) as per BHEL approved title block.

The number of copies of design documents & drawings required to be submitted shall be as follows:

- A. At each stage of approval.
 - i) Design Documents 02 sets.
 - ii) Drawings 04 sets.
- B. After Final approval.
 - i) Design Documents 02 sets.
 - ii) As built Drawings 04 sets.
 - iii) Pen drive/CDs (containing all soft copies of design like staad file, excel file (unprotected) & Autocad drawings etc.) 01 set.

Mauritius qualified Registered Engineer shall sign and stamp before issuing the drawings and design documents to customer for approval and to site for construction.

6. STATUTORY COMPLIANCE:

Contractor shall comply with the relevant provisions of the following laws (as subsequently amended) applicable in Mauritius under which the building and land use permit was issued:

- i) The Local Government Act 2011.
- ii) The Building Control Act 2012.
- iii) The Town and Country Planning Act 1954.
- iv) The Planning and Development Act 2004.
- v) The Environmental Protection Act 2002.
- vi) The Sugar Industry Efficiency Act 2001
- vii) Any other rules or Act as may be applicable in Mauritius.

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SPECIAL CONDITIONS OF CONTRACT

1. GENERAL

The special conditions of contract and other contract documents are complimentary to each other and shall be read in conjunction with each other. In case of any conflict of meanings between the special conditions of contract and the BHEL General Conditions of Contract the provisions of the special conditions of contract shall override the corresponding provisions of the BHEL General Conditions of Contract.

2. STAGES OF PAYMENT

The Payment shall be done after completion of work as per BOQ with following payment schedule:

SL NO	DESCRIPTION OF THE WORK	STAGES OF PAYMENT	PAYMENT % OF QUOTED RATES
1	Design & getting approval from OWNER/OWNER's CONSULTANT along with Mauritius Registered Engineers/architect certification of all structural, civil and architectural drawings, designs of RCC Buildings including electrical details - drafting, delivery of design documents for Control room (two storied building), Guard (security) room building, etc., as per specifications detailed by BHEL. Details of necessary (STAAD (or) any other software) calculations etc. to be submitted for getting OWNER/OWNER's CONSULTANT approval. (Design shall be as per British Standard/Mauritius Standard or standard as directed by BHEL/Owner/Owner's Consultant). (For measurement, outer wall to outer wall dimensions in meters shall be considered) (Payment shall be made on per sq. Meter basis irrespective of no. of design documents and drawings made for unique building as per instruction of BHEL)	On approval (at least Cat 2 i.e., approved with comments) and go ahead for construction	50%
		On final approval and submission of all design documents & drawings in Cat-I. The design documents and drawings shall be certified by Mauritius Registered Professional Engineer before releasing the drawing to site.	40%
		On issuance of As-built Drawings after completion of construction at site.	10%

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2	Design & getting approval from OWNER/OWNER's CONSULTANT along with Mauritius Registered Engineers/architect certification of all structural, civil and architectural drawings, designs of unique structures (except RCC building as listed in Sl. No.1 above) including electrical details - drafting, delivery of design documents for Chain link fencing, gate, Compact Sub-station (CSS) foundation, pump house, river cross over structure, Module mounting structure (MMS), MMS foundations, Roads ,pathways, Drains, landscaping, Rain water harvesting, UG water tank, Rain Water harvesting system, retaining wall, slope protection, etc., as per specifications detailed by BHEL. Details of necessary (STAAD (or) any other softwares) calculations etc. to be submitted for getting OWNER/OWNER's CONSULTANT approval. (Design shall be as per British Standard/Mauritius Standard or standard as directed by BHEL/Owner/Owner's Consultant). (Payment shall be made on per unique structure basis irrespective of no. of design documents and drawings made as per instruction of BHEL)	On approval (at least Cat 2 i.e., approved with comments) and go ahead for construction	50%
		On final approval and submission of all design documents & drawings in Cat-I. The design documents and drawings shall be certified by Mauritius Registered Professional Engineer before releasing the drawing to site.	40%
		On issuance of As-built Drawings after completion of construction at site.	10%
3	Submission & getting approval from OWNER/OWNER's CONSULTANT along with Mauritius Registered Engineers and architect certification on Master plan layout drawing (including all facilities like buildings, structures, MMS array, Road, pathways, Drains, street light, any other misc. structures, etc. including electrical details) as per specifications and instruction detailed by BHEL. Details of necessary soft copies (AUTOCAD copy (or) any other softwares copies) to be submitted to BHEL after getting OWNER/OWNER's CONSULTANT	On approval (at least Cat 2 i.e., approved with comments) and go ahead for construction	50%
		On final approval and submission of all design documents & drawings in Cat-I. The design documents and drawings shall be certified by Mauritius Registered Professional Engineer before releasing the drawing to site.	40%

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	approval. (All design shall be as per British Standard/Mauritius Standard or standard as directed by BHEL/Owner/Owner's Consultant). (Payment shall be made on per unique drawing basis irrespective of no. of design documents and drawings made as per instruction of BHEL)	On issuance of As-built Drawings after completion of construction at site.	10%
4	Visit to OWNER/OWNER's CONSULTANT office (Mauritius (or) any other location as decided by Owner/Owner's Consultant/BHEL) for drawing/design approvals (including stay 1 or 2days as per the requirement for getting approvals etc.,) (Cost shall include all expenditures, vis., travel cost, boarding, lodging, local conveyance, visa charges, etc.)	Payment shall be made as per visit	100%
5	Visit to 8 MWp Solar PV farm site at MAURITIUS for technical guidance (to resolve design related issues at site as per requirement). (including stay 1 or 2days as per the site requirement etc.,) (Cost shall include all expenditures, vis., travel cost, boarding, lodging, local conveyance, visa charges, etc.)	Payment shall be made as per visit	100%
6	Deployment of one Mauritius Professional Registered Civil Engineer (with an experience of at least 10 years) for Monitoring/supervising, certification/approval of works at site, bills, etc.	Payment on monthly basis from the date of deployment	100%

Payment shall be made, on the Nos. of Measurement units, successfully executed as per BOQ

3. SCOPE OF WORK

The scope of work includes for the full, final and entire completion of all Civil design consultancy services and deployment of Mauritius registered professional civil engineer as detailed in specifications and bill of quantity, which forms part of this Contract.

4. SITE CONDITIONS

Before tendering the Contractor shall get themselves acquainted with site conditions such as the nature of soil, terrain, etc., likely to be encountered during the course of the work. The rates quoted by the contractor shall be deemed to have been quoted after getting acquainted with the prevailing site conditions. No claims on the pretext of ignorance of site conditions shall be entertained.

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5. SITE FACILITIES

A. LAND:

The Employer will allot land as available free of cost to the contractor for his office stores. He must maintain the areas allotted to him in a neat and clean conditions as required by the Employer. The contractor shall provide adequate storage and office facilities with approval from the Engineer. The rate quoted by the contractor shall be deemed to include for these and no separate payment will be made towards these. On completion of work, the site shall be cleaned by the contractor of all materials, temporary debris, rubbish plants and equipment's, belonging to the contractor at no extra cost. The site and surroundings shall be handed over in a neat and clean condition. In case of any failure by the contractor, the employer will get inside cleared at risk and cost of the Contractor.

B. POWER AND WATER SUPPLY:

Facilities for drawing Power and water required at site for execution of the works shall be arranged by the contractor at his expense and risk. The necessary source for power & water supply has to be organized by vendor. Necessary distribution box, extension board points duly earthed, and with armoured safe power cables to be laid across the field provided point shall be in the scope of the tenderer. Further, laying of water intake and distribution pipes across the Site to various points of work from electricity source provided water source point shall be in the scope of the tenderer. If required D.G generation sets shall be provided for Power arrangement by the contractor at his own cost. The tenderer shall make provision for temporary storage of water at suitable locations with pump if required to reach the water supply to work areas. The contractor will have to make his own arrangements for the same, without claiming any extra charge for the power and water drawl and distribution equipment.

7. MACHINERY:

The Contractor shall at his own expense, supply all tools, plant and equipment (hereinafter referred to as T & P) required for execution of contract, as specified in the tender documents. whole of the works shall be executed in perfect conformity with the specifications and drawings. If contractor perform any works in a manner contrary to the specifications and drawings and without reference to the Engineer- in-charge, he shall bear all the costs arising or ensuring there from.

- a) All technical documents regarding the construction of works are given in the metric system and work should be carried out according to metric system (or) as per owner's requirement.
- b) The design shall be carried out as per detailed technical specification issued by the employer. The contractor shall keep one set of design drawings and technical specification (duly protected from dust and wear and tear) at his own expenses always available at site for reference of Engineer-in-charge and other representatives.
- c) The works shall be carried out as per detailed specifications enclosed with the tender and will be shared to the successful bidder. For items for which there is no mention in the drawings, detailed specification relevant British and Mauritius specification (latest edition) shall be followed.

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- d) The contractor shall submit to the Employer for their approval complete drawings, of all temporary works and staging which he may require for carrying out the works shown in the drawings.
- e) No T & P shall be provided by BHEL.

He shall at the same time if so, required by the Employer submit his calculations relating to strength and anticipated deflection in respect of any aforesaid temporary works (as applicable). He shall also submit for the approval of Employer drawings showing the methods he proposes to adopt for the erection of the various parts of the temporary works (as applicable). Any modification to the drawings that may be required by the Employer shall be made by the contractor at his own cost.

However, notwithstanding the approval of modification required for temporary works, the contractor shall be fully responsible for their efficiency, security and maintenance and for all obligations and risks in regard to such works, specified or implied in this contract and he shall reinstate the same at his own cost, should any mishap or accident occur causing damage or injury there from, subject however, to such clauses of the General conditions as may be applicable in such cases.

8. SAFETY PRECAUTIONS

The contractor shall at times observe the safety code and make necessary action as required in the tender. In default thereof, the employer may get this done departmentally or through other agencies and recover the cost from the contractor. The Contractors shall also abide by all the security regulations promulgated from time to time by employer.

9. RATES

The rates to be quoted are intended to provide for works duly and properly completed in accordance with the general and special conditions of contract and specifications and drawings together with such alteration and/or conditions as may be required / ordered without prejudice to the generality thereof shall include for detail of construction which are obviously and fairly intended and which may not have been specifically referred in these documents and working drawings and but are essential for execution and satisfactory completion of work including those of minor nature and shall be deemed to include and cover internal the followings.

- a) Arrangements for obtaining the clearance wherever required from statutory bodies, regarding license for construction, permanent electricity, water supply, and sanitary connections including payment of necessary fees, inspection charges and obtaining financial certificates for using these services. The various items rates quoted in the schedule as applicable shall be deemed to include the above services and no separate payments shall be made towards these.
- b) The cost of all superintendence and labour materials, tools, plants, equipment's, mobilizing and demobilizing equipment fuel lubricants, fixture, transport charges, temporary and permanent works and quarrying charges, testing, screening, washing, handling of materials,

Mowleeswaran Natesan,
Dy. Manager-Civil, BHEL-SBD

CONTRACTOR (SIGN & SEAL)



TENDER DOCUMENT for “Civil Consultancy Services and other associated works for 8MWac Solar PV farm at Tamarind falls, Henrietta (Phase II), Mauritius”

stacking and removal charges, of any rejected materials and water and power arrangements and satisfactory maintenance of the same satisfactory completion of the work intended.

- c) All fees, duties, royalties, rent and compensation to owner for water pollution or taxes and impositions payable to local authorities, which the contractor may become liable or may be put to under any provision of the law for the purpose of in connection with the execution of the contract including levies payable on the transactions.
- d) Supply of complete, Moulds, cost of testing of materials etc.
- e) Working in all conditions including in/under water liquid, conditions etc., and shall also include under water activity.
- f) In the interest of completion of work within the stipulated time, certain works are to be carried out during the monsoon period also. No separate payment will be made to the contractor for such works and it will be deemed to be included in the contract rates.
- g) All materials and labour required for water activity in a protection against risk of accidents and for providing necessary/life jacket, boat, safety belts etc., during the progress of work.
- h) Cleaning the site after the completion of work all debris, left out construction materials machine equipment's, temporary offices, stores, works shop etc., including dressing the area neat and clean shape.
- i) Such other incidental charges or contingencies as may have been provided for in the specifications.

10. LABOUR COLONIES

Labour camp will not be permitted within the project premises.

11. ESCALATION

The rates to be quoted by the tenderer shall be firm and shall cover and include all statutory levies, arising from, acts passed by parliament or by state legislature, the rates shall further be deemed to include statutory levies arising from such Acts, Central or State, which may come in to force subsequent to submission of tenders. The tenderer shall note that no claim for enhancement of rates, on the ground that existing statutory levies have been increased, or that new statutory levies have come in to effect after tender, or on any other ground, will be entertained on any account.

12. QUANTITY

The probable quantities of the several items of work are furnished in the schedule of quantities. It must be clearly understood that neither the probable quantities nor the value of individual items nor the aggregate value of the entire work shall be binding on the Employer/Engineer does not in any way assure the contractor or guarantee that the said probable quantities are correct or that the work will correspond to these. The Employer/Engineer reserve the right to omit, vary or add to the item/work described in the schedule, of quantities and no claim for compensation will be entertaining on this account.

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13. VARIATION/DEVIATION IN QUANTITIES

The contractor shall not make any alteration in addition to or omission from the work as described in the tender document except in pursuance of the written instructions of the Engineer-in-charge. No such deviation from the work described in the tender documents shall be valid unless the same has been specifically confirmed and accepted by the accepting officer in writing and incorporated in the contract. The rates quoted are firm for deviation subject to minimum of (-) 20% and maximum (+) 20% of the total value of work awarded. Deviation beyond the above limits is subject to the standard terms and conditions of BHEL.

14. MATERIALS

BHEL will not supply any materials unless otherwise specified.

15. SUPPLY BY CONTRACTOR

The work is for a completed job including labour and supply of all materials except those otherwise specified in the bid document. The material and works shall be subject to inspection and test as per field quality plan (FQP) duly approved by BHEL.

All materials supplied by the contractor according to the contract conditions shall be subject to inspection and passing by the Engineer-in-charge or his representatives from time to time, the contractor providing all facilities for such instruction free of cost.

BHEL officers connected with the contract shall have the power at any time to inspect and examine any stores or materials intended to be used in or on the work, whether on the site or at any factory or workshop or other place where such stores or materials are being fabricated or manufactured or at any place the same are lying and the contractor shall give necessary facilities for such inspection and examination.

The Engineer-in-charge shall be entitled to have tests made of any stores or materials supplied by the contractor shall provide at his own expense all facilities which the Engineer-in-charge may require for this purpose. If at the discretion of the Engineer-in-charge an independent expert is employed to make any such tests his charges shall be borne by the contractor only if the tests disclosed that the said stores or materials are not in accordance with the provision of the contract.

Should the Engineer-in-charge consider at any time during the design, erection and commissioning on prior to the expiry of the Maintenance Period that the design/drawing, stores or materials provided by the contractor are unsound or of quality inferior to that contracted for, or otherwise not in accordance with the contract (in respect where the decision of the Engineer-in-charge shall be final and conclusive) the contractor shall on demand, in writing from the Engineer-in-charge specifying the design/drawing, stores or materials complained of, not with-standing that the same may have been inadvertently passed, certified that and paid forth with remove the stores or materials so specified and provide other and suitable design/drawing, stores or materials at his own expense, to the entire satisfaction of the Engineer-in-charge and in the event of his failing to do so within a

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Dy. Manager-Civil, BHEL-SBD

CONTRACTOR (SIGN & SEAL)



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period to be specified by the Engineer-in-charge, in his demand aforesaid, the Engineer-in-charge may replace within the other design/drawing, stores or materials complained of at the risk and expense in all respect of the contractor.

The liability of the contractor under these conditions, shall not extend beyond the maintenance period aforesaid except as regards stores or materials which the Engineer-in-charge shall have previously given notice to the contractor to replace (Maintenance period for any work under this organization will be six months from the date of actual completion of the particular work and handing over to BHEL).

16. INTERRUPTION TO THE WORKS

While quoting the rates/prices the Contractor should take in to account the fact that due to the design or other stipulations at site, or the necessity to follow a particular sequence of overall construction operation, or non-supply of particular drawings/specification, or the connected work or other reasons, interruptions are likely to be encountered in a work of this nature and magnitude. No claims for such interruptions will be entertained on any account.

17. EXTENSION OF TIME OR PENALTY/LIQUIDATED DAMAGES

If the contractor fails to maintain the required progress in terms of condition clause 17 below or to complete the work and clear the site on or before the contracted or extended the period of completion, he shall, without prejudice to any other right or remedy of the BHEL on account of such breach, pay as agreed compensation an amount calculated as stipulated below

For unfinished anticipated value of work where finished portion is fit for use

Rate of compensation as follows:

- Completion period (as originally stipulated) not exceeding 6 months.@ 1 percent per week
- Completion period (as originally stipulated) Exceeding 6 months and not exceeding 2 years...@ 0.5 percent per week
- Completion period (as originally stipulated) exceeding 2 years..... @ 0.25 percent per week

Provided always that the total amount of compensation for delay to be paid under condition shall not exceed the under noted percentage of the anticipated contract value

- Completion period (as originally stipulated) not exceeding 6 months.@ 10 percent of anticipated value of work
- Completion period (as originally stipulated) Exceeding 6 months and not exceeding 2 years...@ 10 percent of anticipated value of work
- Completion period (as originally stipulated) Exceeding 2 years.....@ 5 percent of anticipated value of work

The amount of compensation may be adjusted or set off against any sum payable to the Contractor under this or any other contract with the BHEL.

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Dy. Manager-Civil, BHEL-SBD

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18. COMPLETION OF WORK AND MEASUREMENT (AS APPLICABLE)

- a) All work shall be carried out according to authorized dimensions and measurement will be restricted to those authorized dimensions even though the Contractor may for convenience of this work exceed the authorized dimensions.
- b) All work shall be measured in accordance with the applicable standard method of measurements prescribed by the Indian Standard Institution (1200 latest edition) unless otherwise specified.
- c) The Contractor shall admit for technical inspection, works which are likely to be embedded or covered by other works and have the necessary measurement books and certificates to this effect duly signed by the Engineer before the works are covered.
- d) On completion of the work, the Contractor must submit to the Engineer the following documents for passing of works.
 - i. A copy of the working drawing showing there on all addition and alterations in the process of execution.
 - ii. A certificate for embedded and covered up works as in sub-para (C) above
- e) The authorized Contractors representative and a representative of the Employer shall jointly sign a certificate of handing over any completed work and date of signature of that certificate will be that the date from which the maintenance period of that unit will reckoned.
- f) Notwithstanding the above, insurance cover has to be taken by the contractor for the full value of work as also for the duration of the contract period. 50% of the Security Deposit shall be released only on the total completion of the building and handing over to BHEL to their satisfaction. Remaining 50% of Security Deposit shall be released subject to the stipulation in BHEL after 6 months from the date of completion of site activity (as applicable).

19. COMPLETION PERIOD:

Time is essence of the contract. The time schedule shall be as prescribed in the Contract (as per the following paragraph). The time for completion shall be reckoned from the date of commencement of work at Site/notice to start the work as certified by BHEL Engineers.

The complete design work as per scope of work shall be completed **within 8 weeks** from the date of placement of order /Notice to start the work by BHEL. However, the stipulation time period for the contract shall be **12 months** from the date of placement of order /Notice to start the work by BHEL. The Contractor Shall start the work within 7 days from the date of work order.

The entire work shall be completed by the contractor within the time schedule or within such extended periods of time as may be allowed by BHEL as per BHEL terms and condition and BHEL General Conditions of Contract.

The BHEL General Conditions of Contract forms a part of this tender document. The complete copy of BHEL General Conditions of Contract 2019 shall be furnished to the bidder as per their request.

Mowleeswaran Natesan,
Dy. Manager-Civil, BHEL-SBD

CONTRACTOR (SIGN & SEAL)



TENDER DOCUMENT for “Civil Consultancy Services and other associated works for 8MWac Solar PV farm at Tamarind falls, Henrietta (Phase II), Mauritius”

20. RUNNING ACCOUNT PAYMENTS

During execution of work, monthly payments of all works in place will be made as per the actual work done in respect of items executed but no claim on the account will be entertained, if for any reason payments are not so made. PRICE VARIATION clause not applicable.

21. MOBILIZATION ADVANCE/ADVANCE PAYMENT - NOT APPLICABLE

22. INTEREST & RECOVERY - NOT APPLICABLE

23. Statutory Deduction towards Income Tax will be made as per rules.

24. In respect of all labour directly or indirectly employed on the work by the Contractor, the Contractor shall comply with the provisions of the contract labour (Regulation and Abolition) Act 1970 or any amendment thereof and all legislations and rules of the State and or Central Government or other Authority, framed from time to time governing the protection of health, sanitary arrangements, wages, welfare and safety for labour employed on building and construction works. The rules and other statutory obligations with regard to fair wages, welfare and safety measures, maintenance of the register etc., will be deemed to be part of the contract.

25. The Contractor is required to take insurance for all workers employed on works towards payment for workmen compensation. The insurance has to be taken out within 15 days of the award of work and has to be produced at the time of signing agreement. Half (1/2%) shall be deducted for every bill if the contractor fails to produce a proof of having taken such an insurance to cover his workmen. However the contractor shall be fully responsible for all the consequences arising out of such default. This may also be read with relevant clauses of BHEL GCC 2019.

26. The Contractor has to comply with Building and Other Construction worker's Welfare Cess Act (1996) BOCW (as applicable).

27. The management of BHEL shall be at liberty to terminate the contract by issuing a month's notice to the contractor without assigning any reason what so ever. As regards unsatisfactory performance or noncompliance with any of the terms & conditions of the contract by the contractor. The management of BHEL shall have the right to terminate the contractor forthwith without notice & rearrange the balance work through other agencies at the risk & cost of the contractor & under such circumstances, the Earnest Money Deposit/Security Deposit paid by the contractor shall stand forfeited.

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TENDER DOCUMENT for “Civil Consultancy Services and other associated works for 8MWac Solar PV farm at Tamarind falls, Henrietta (Phase II), Mauritius”

28. WORKMEN COMPENSATION POLICY

The contractor is required to take Insurance for all the workers employed on the works towards payments for workmen compensation. The Insurance has to be taken out within 15 days of the award of work and has to be provided at the time of signing the agreement. Half percent (0.5%) of the amount shall be deducted from every bill if the contractor fails to produce a proof of having taken such an insurance to cover his workmen. However, the contractor shall be fully responsible for the consequences arising out of such default.

29. LAW GOVERNING THE CONTRACT AND COURT JURISDICTION

The contract shall be governed by the Law for the time being in force in the Republic of India. The Civil Court having original Civil Jurisdiction at Bengaluru, shall alone have exclusive jurisdiction in regard to all claims in respect of the Contract. No other Civil Court shall have jurisdiction in case of any dispute, under this contract.

30. LIST OF STANDARDS

Structural Design shall be carried out in accordance with the relevant British Codes of Practice and Mauritius Standards, which apart from those mentioned above, shall include the following, viz:-

A. CIVIL WORKS

- I. BS8110 – Reinforced Concrete
- II. BS5950 –Structural Steelwork
- III. BS8007 – Water Retaining Structures
- IV. MS10 – Reinforcement
- V. MS3 – For antifungal paint on internal and external surface painting
- VI. BS 5628: Part 1: 1992 - Code of practice for the use of masonry.
- VII. BS 5628: Part 2 and 3: 1985 - Code of practice for the use of masonry.
- VIII. BS 2782: Part 3 - Methods of testing plastics
- IX. BS 1377: Part 1 - Methods of test for soils for civil engineering purposes.
- X. BS 1377: Part 4 - Methods of test for soils for civil engineering purposes.

B. ELECTRICAL WORKS

- I. Mauritian Standard MS 63; “Code of Practice for Electrical Installation in Buildings”.

These standards are indicative, any additional standard/specification required to be followed shall be adhered to by the contractor.

Complete design and construction materials shall comply with the relevant British standard, Mauritius Standards, European Standards and/or international standards as found applicable as per requirement of BHEL and the owner as approved.

Mowleeswaran Natesan,
Dy. Manager-Civil, BHEL-SBD

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TENDER DOCUMENT for “Civil Consultancy Services and other associated works for 8MWac Solar PV farm at Tamarind falls, Henrietta (Phase II), Mauritius”

31. ADDITIONAL CLAUSES FOR GST:

I. BHEL GST Number of Nodal Agency:

Nodal Unit Registered as Supplier of Goods/Services in GST: Will be intimated later after award of work.

- II. HSN (Harmonized System of Nomenclature) / SAC (Services Accounting Code) to be mandatorily mentioned in all quotations & invoices submitted.
- III. Invoice submitted should be in the format as specified under GST Laws viz. all details as mentioned in Invoice Rules like GSTN registration number, invoice number, quantity, rate, value, taxes with nomenclature – CGST, SGST, IGST mentioned separately, HSN Code / SAC Code etc.
- IV. Payment of GST to bidders as applicable will be made only if it is matching with data uploaded by Bidders
- V. Bidders to give undertaking that GST as mentioned in the Invoice has been paid/will be paid either through cash or admissible input credit and also file the returns
- VI. For invoices paid on Reverse charge basis – that it is “payable on reverse charge basis” to be mentioned on the invoice.
- VII. With respect to supplies, bidder should intimate BHEL immediately on dispatch for parallel billing on customer.
- VIII. Bidder should get GST registration, if not available, in the state of Kerala immediately after placement of order.

32. List of Annexures Attached:

Annexure No.	Description of Annexure
A	Certification of Work safety by Contractor
B	Acceptance Of Conditions of Contract/ Specification/Scope of Work
C	Certificate Of Declaration Confirming the Knowledge of Site Condition
D	Certificate regarding ban/blacklisting of bidder
E	Form of Tender
F	Certificate by Chartered Accountant
G	EFT Form
H	Techno-Commercial Deviation Sheet
I	Certificate Of Declaration Confirming the Mauritius local Laws
J	Undertaking for compliance of Mauritius and International standards

Mowleeswaran Natesan,
Dy. Manager-Civil, BHEL-SBD

CONTRACTOR (SIGN & SEAL)



TENDER DOCUMENT for “Civil Consultancy Services and other associated works for 8MWac Solar PV farm at Tamarind falls, Henrietta (Phase II), Mauritius”

ANNEXURE A

(To be made on Bidder's letter head)

SAFETY DECLARATION

Subject: Certification of Work safety during “Civil Consultancy Services and other associated works for 8MWac Solar PV farm at Tamarind falls, Henrietta (Phase II), Mauritius”.

This is to certify that, during the execution of the work for “Civil Consultancy Services and other associated works for 8MWac Solar PV farm at Tamarind falls, Henrietta (Phase II), Mauritius”, undertaken by us, we shall be solely responsible for the Safety and health of our team consisting of site engineers, technicians and labour working at the site. Required statutory provisions governing Workmen safety and protection and accident compensation shall be our sole responsibility and entirely covered by us during the course of mobilization and execution of works. All statutory norms and guidelines issued by government and/or any statutory authority for COVID-19 (or) any pandemic situation will be taken care by us.

For and on behalf of
M/s

Mowleeswaran Natesan,
Dy. Manager-Civil, BHEL-SBD

CONTRACTOR (SIGN & SEAL)



TENDER DOCUMENT for “Civil Consultancy Services and other associated works for 8MWac Solar PV farm at Tamarind falls, Henrietta (Phase II), Mauritius”

ANNEXURE B

(To be made on Bidder’s letter head)

CONDITIONS OF CONTRACT/ SPECIFICATION/ SCOPE OF WORK

It is hereby agreed by me/us that the BHEL General Conditions of Contract, Special conditions of contract, Scope cum Technical specification of work and their subsequent amendments/ Additions/deletions to clauses if any, and conditions pertaining the settlement of disputes by Arbitration form an integral part of the tender documents and that the tender submitted by me/ us is subject to the aforesaid BHEL Conditions of Contract/ Specification/Scope for the work given in NIT which has been read, understood and accepted by me/us.

For and on behalf of
M/s

Mowleeswaran Natesan,
Dy. Manager-Civil, BHEL-SBD

CONTRACTOR (SIGN & SEAL)



TENDER DOCUMENT for “Civil Consultancy Services and other associated works for 8MWac Solar PV farm at Tamarind falls, Henrietta (Phase II), Mauritius”

ANNEXURE C

**CERTIFICATE OF DECLARATION CONFIRMING THE KNOWLEDGE OF SITE
CONDITION**

I/We hereby declare and confirm that we have acquired full knowledge and information about the site conditions, wage structure, industrial climate and total quantum of work involved. We further confirm that the above information is true and correct and we will not raise any claim of any nature due to lack of knowledge of site condition.

For and on behalf of
M/s

Mowleeswaran Natesan,
Dy. Manager-Civil, BHEL-SBD

CONTRACTOR (SIGN & SEAL)



**TENDER DOCUMENT for “Civil Consultancy Services and other associated works for
8MWac Solar PV farm at Tamarind falls, Henrietta (Phase II), Mauritius”**

ANNEXURE D

(To be made on Bidder's letter head)

TO WHOM SO EVER IT MAY CONCERN

This is to certify that our firm is not blacklisted / under hold from BHEL SBD Bangalore or banned by any unit/region/office of BHEL.

This is to certify that we / our firm is not guilty by a Court of Law in India for any offence involving fraud, dishonesty and moral turpitude.

For and on behalf of
M/s

Mowleeswaran Natesan,
Dy. Manager-Civil, BHEL-SBD

CONTRACTOR (SIGN & SEAL)



TENDER DOCUMENT for “Civil Consultancy Services and other associated works for 8MWac Solar PV farm at Tamarind falls, Henrietta (Phase II), Mauritius”

ANNEXURE E

FORM OF TENDER

Having examined the invitation to bid, Instructions to Bidder, conditions of contract, Specifications, tender schedule, and other tender documents for the above work, we the undersigned, offer to construct, erect complete and maintain the whole of the said in conformity with the said bid documents on the terms and conditions and under the provisions set out or called for in the contract documents at the rates listed in the schedule of unit prices or else wherein the contract documents.

We undertake if our bid is accepted, to commence the works from the date of issue of award/handing over the site and to complete and delivery the whole of the works comprised in the contract as per the time schedule agreed to the contract document.

We agree to abide by this bid for the period of three months from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before expiry of the period.

Until and unless a formal intimation /work order, together with your award thereof shall constitute a binding contract between us.

For and on behalf of
M/s

Mowleeswaran Natesan,
Dy. Manager-Civil, BHEL-SBD

CONTRACTOR (SIGN & SEAL)



TENDER DOCUMENT for “Civil Consultancy Services and other associated works for 8MWac Solar PV farm at Tamarind falls, Henrietta (Phase II), Mauritius”

ANNEXURE F

(Certificate by Chartered Accountant on letter head)

This is to Certify that M/S.
(Hereinafter referred to as 'company') having its registered office at
.....is registered under MSMED Act 2006, (Entrepreneur
Memorandum No (Part-11dated:
Category: (Micro/Small) (Copy enclosed).
Further verified from the Books of Accounts that the investment of the company as on date
..... as per MSMED Act 2006 is as follows:

I. For Manufacturing Enterprises: Investment in plant and machinery (i.e. original cost excluding land and building and the items specified by the Ministry of Small Scale Industries vide its notification No.S.O.I722(E) dated October 5, 2006 :

Rs.Lacs

2. For Service Enterprises: Investment in equipment (original cost excluding land and building and furniture, fittings and other items not directly related to the service rendered or as may be notified under the MSMED Act, 2006:

RsLacs

(Strike off whichever is not applicable)

The above investment of Rs Lacs is within permissible limit of Rs -----Lacs for Micro/Small (Strike off which is not applicable) Category under MSMED Act 2006.

Or

The company has been graduated from its original category (Micro/ Small) (Strike off which is not applicable) and the date of graduation of such enterprise from its original category is ----- (dd/mm/yyyy) which is within the period of 3 years from the date of graduation of such enterprise from its original category as notified vide 5.0. No. 3322(E) dated 01.11.2013 published in the gazette notification dated 04.11.2013 by Ministry of MSME.

Date:

(Signature)

Name –

Membership number

Seal of Chartered Accountant

Mowleeswaran Natesan,
Dy. Manager-Civil, BHEL-SBD

CONTRACTOR (SIGN & SEAL)



TENDER DOCUMENT for "Civil Consultancy Services and other associated works for 8MWac Solar PV farm at Tamarind falls, Henrietta (Phase II), Mauritius"

ANNEXURE G

Electronic Funds Transfer (EFT) OR Paylink Direct Credit Form				
Please Fill up the form in CAPITAL LETTERS only.				
TYPE OF REQUEST(Tick one): _____ CREATE _____ CHANGE				
BHEL Vendor / Supplier Code:				
Company Name :				
Permanent Account Number(PAN):				
Address				
City: _____		PINCODE	_____	STATE
Contact Person(s)				
Telephone No:				
Fax No:				
e-mail id:				
1	Bank Name:			
2	Bank Address:			
3	Bank Telephone No:			
4	Bank Account No:			
5	Account Type: Savings/Cash Credit			
6	9 Digit Code Number of Bank and branch appearing on MICR cheque issued by Bank			
7	Bank swift Code(applicable for EFT only)			
8	Bank IFSC code(applicable for RTGS)			
9	Bank IFSC code(applicable for NEFT)			
A I hereby certify that the particulars given above are true, correct and complete and that I, as a representative for the above named Company, hereby authorize BHEL, EDN, Bangalore to electronically deposit payments to the designated bank account.				
B If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information, I would not hold BHEL / transferring Bank responsible.				
C This authority remains in full force until BHEL, EDN, Bangalore receives written notification requesting a change or cancellation.				
D I have read the contents of the covering letter and agree to discharge the responsibility expected of me as a participant under ECS / EFT.				
Date:				
Authorized Signatory:				
Designation:				
Company Seal				
Telephone NO. with STD Code				
Bank Certificate				
We certify that _____ has an Account No _____ with us and we confirm that the bank details given above are correct as per our records.				
Date: _____ (.....)				
Place: _____ Signature				
Please return completed form along with a blank cancelled cheque or photocopy thereof to: Bharat Heavy Electricals Ltd, Attn: Solar Business Division, Malleswaram, BANGALORE - 560 012 In case of any Query, please call : 080-26998xxx / 2674xxxx or fax no. 080-2674xxxx				

Mowleeswaran Natesan,
Dy. Manager-Civil, BHEL-SBD

CONTRACTOR (SIGN & SEAL)



TENDER DOCUMENT for “Civil Consultancy Services and other associated works for 8MWac Solar PV farm at Tamarind falls, Henrietta (Phase II), Mauritius”

ANNEXURE H

(To be made on Bidder's letter head)

TECHNO-COMMERCIAL DEVIATION SHEET

Tender Enquiry No & Date: SBD/ SCPV/ MAURITIUS/ 8 MW/ CS/02; Dt.: 08.07.2021

Work Description: CIVIL CONSULTANCY SERVICES AND OTHER ASSOCIATED WORKS FOR 8MW_{AC} SOLAR PV FARM AT TAMARIND FALLS, HENRIETTA (PHASE-II), MAURITIUS

We have gone through the complete tender enquiry and its corrigendum mentioned above and read and understood the Pre- Qualification Criteria, Instructions to Tenderer along with Enclosures, Special Condition of Contract along with its annexures, scope of Work Cum Technical Specification, BHEL General Conditions of Contract 2019 etc.

We hereby confirm that, we have following deviations with technical and commercial terms and conditions of NIT:

Clause No. & NIT page no.	NIT Clause	Deviation proposed	Remarks

Mention any deviations from Tender enquiry if any, else mention “No deviation “

We hereby confirm that except for above, there are no other Deviation from all terms and conditions mentioned in Tender documents.

Seal & Signature of Authorized
Representative /Bidder

Name:

Designation:

Date:

Mowleeswaran Natesan,
Dy. Manager-Civil, BHEL-SBD

CONTRACTOR (SIGN & SEAL)



TENDER DOCUMENT for “Civil Consultancy Services and other associated works for 8MWac Solar PV farm at Tamarind falls, Henrietta (Phase II), Mauritius”

Name of Bidder:

ANNEXURE I

(To be made on Bidder's letter head)

CERTIFICATE OF DECLARATION CONFIRMING THE COMPLIANCE OF MAURITIUS LOCAL LAWS

It is hereby agreed by me/us that I/We shall abide by the Mauritius local laws as may applicable for execution of contract. Any dispute arises on the same either in my/our name or on BHEL shall be settled by me/us.

For and on behalf of
M/s

Mowleeswaran Natesan,
Dy. Manager-Civil, BHEL-SBD

CONTRACTOR (SIGN & SEAL)



TENDER DOCUMENT for “Civil Consultancy Services and other associated works for 8MWac Solar PV farm at Tamarind falls, Henrietta (Phase II), Mauritius”

ANNEXURE J

(To be made on Bidder's letter head)

**UNDERTAKING FOR COMPLIANCE OF MAURITIUS STANDARD AND
DEPLOYMENT OF MAURITIUS PROFESSIONAL REGISTERED
ENGINEER/ARCHITECT**

I/We hereby declare and confirm that we shall comply to the Mauritius standards in our design and drawings. I/We are agreeable to do design confirming to British standard, Mauritius standard, European standards and/or any international standards as per instruction of BHEL.

I/We hereby declare and confirm that we will purchase the standards/codes (in original) required for the design and submit the same to BHEL.

I/We hereby declare and confirm that we will deploy the Mauritius Professional Registered Engineer/Architect registered with “The Council of Registered Professional Engineers of Mauritius (CRPE)”, as per BHE instruction. Mauritius Professional Registered Engineer/Architect should have minimum 10 years of experience. The complete detail along with curriculum vitae of Mauritius Professional Registered Engineer/Architect shall be furnished to BHEL for approval.

For and on behalf of
M/s

Mowleeswaran Natesan,
Dy. Manager-Civil, BHEL-SBD

CONTRACTOR (SIGN & SEAL)



TENDER DOCUMENT for “Civil Consultancy Services and other associated works for 8MW_{ac} Solar PV farm at Tamarind falls, Henrietta (Phase II), Mauritius”

SBD/ SCPV/ MAURITIUS/ 8 MW/ CS/02, Dt.: 08-07-2021

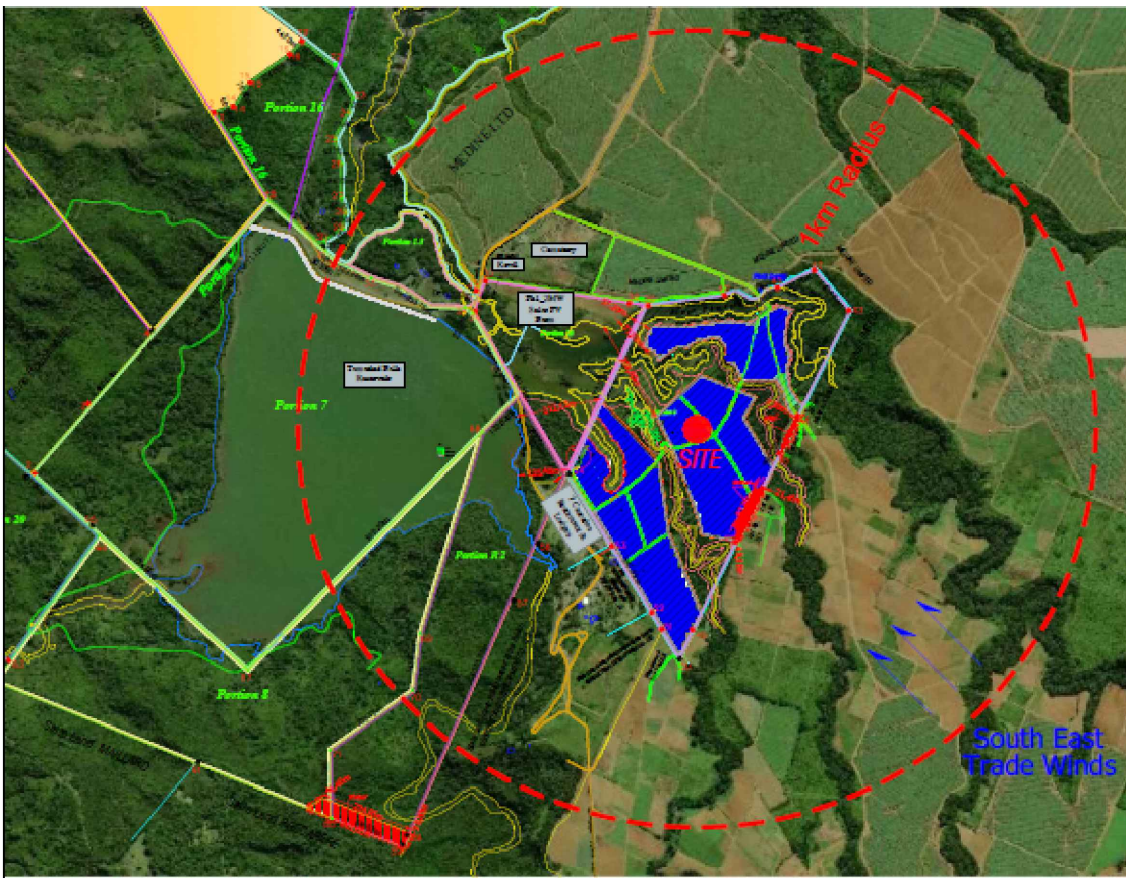
TENTATIVE TENDER DRAWINGS

“CIVIL CONSULTANCY SERVICES AND OTHER ASSOCIATED WORKS FOR 8MW_{AC} SOLAR PV FARM AT TAMARIND FALLS, HENRIETTA (PHASE-II), MAURITIUS”

NAME OF BIDDER:
(AFFIX SEAL & SIGNATURE ON ALL PAGES OF PRICE BID)

Mowleeswaran Natesan,
Dy. Manager-Civil, BHEL-EDN

CONTRACTOR (SIGN & SEAL)



LOCATION PLAN

NOTES:-

- 1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS AND CONDITION SPECIFICATION AND SCHEDULE OF ITEMS.
- 2. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METRES, UNO.
- 3. RETAINING WALL FOR EDGE PROTECTION MAY BE PROVIDED AS AND WHERE REQUIRED AS PER SITE CONDITION.
- 4. STREAM CROSSING CONCRETE STRUCTURE MAY BE PROVIDED AT STREAM LOCATED BETWEEN THE FIRST AND THE SECOND LOT.
- 5. SEPTIC TANK AND ABSORPTION PIT SHALL BE LOCATED AT LEAST 2M AWAY FROM ANY BUILDING AND SITE BOUNDARY AS PER SITE CONDITION.
- 6. SEPTIC TANK SHALL HAVE A CAPACITY OF 3 CU. M. AND ABSORPTION PIT SHALL HAVE A WALL SURFACE AREA OF 20 SQ. M.

LEGEND:

- CSS - COMPACT SUBSTATION
- TYP. - TYPICAL
- U.N.O. - UNLESS NOTED OTHERWISE
- CL - CENTER LINE
- ➔ - PROPOSED STORM WATER DRAIN OUTFALL POINT

DETAIL DESCRIPTION OF EACH LOT	
LOT/PLOT	TOTAL NO. OF TABLES
LOT-A	136 TABLES
LOT-B	390 TABLES
LOT-C	400 TABLES
TOTAL NO. OF TABLES	926 TABLES

FOR TENDER PURPOSE ONLY

PROJECT:

8MWac SOLAR PV FARM AT TAMARIND FALLS, HENRIETTA (PHASE-II), MAURITIUS

OWNER:

CEB (GREEN ENERGY) Co. Ltd.

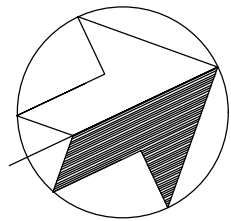
EPC CONTRACTOR:

BHARAT HEAVY ELECTRICALS LTD
ELECTRONICS DIVISION, BANGALORE, INDIA

TITLE

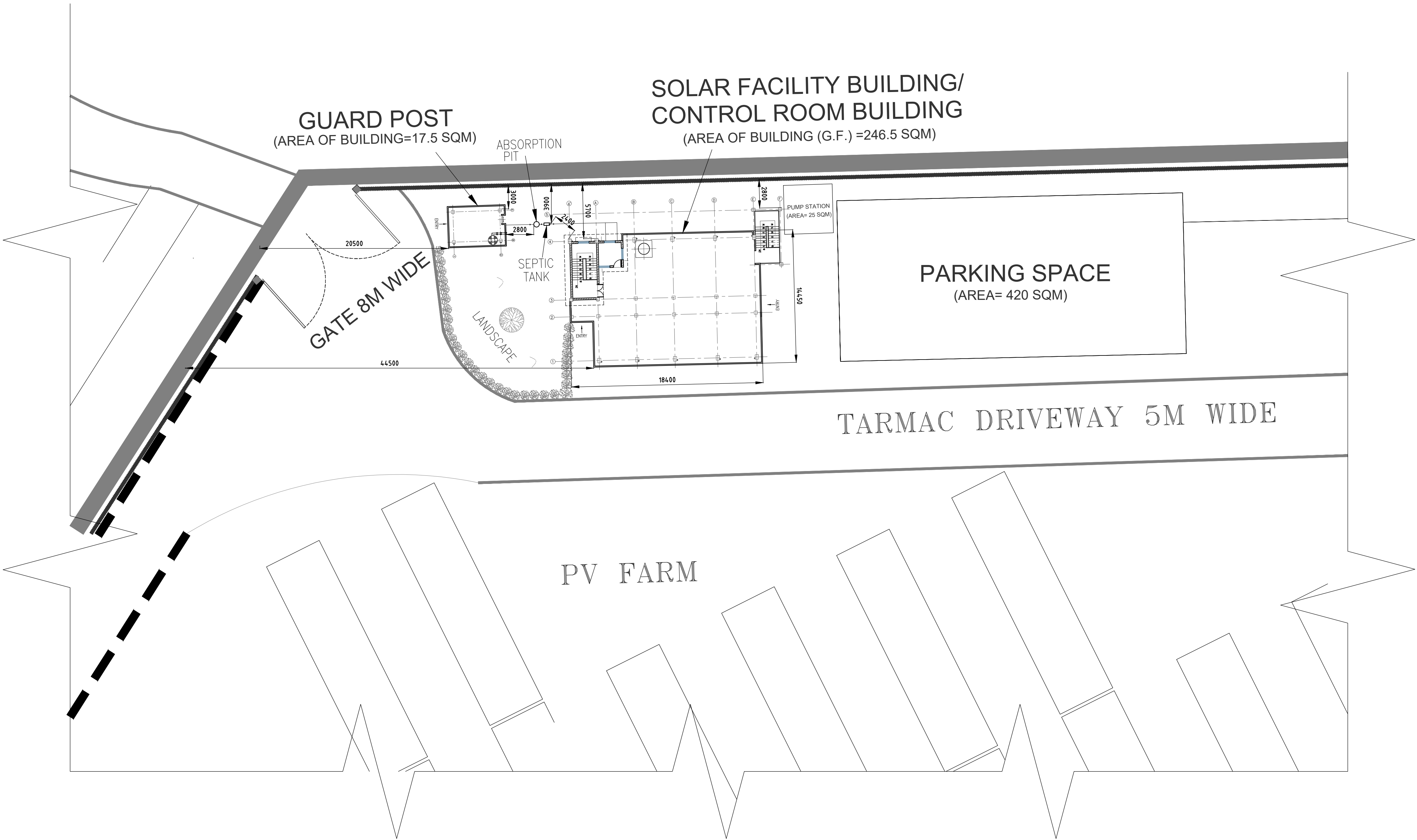
SITE PLAN

REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD



NORTH

OUTSIDE PLANT BOUNDARY



NOTES:-

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS AND CONDITION SPECIFICATION AND SCHEDULE OF ITEMS.
2. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METRES, UNO.
3. RETAINING WALL FOR EDGE PROTECTION MAY BE PROVIDED AS AND WHERE REQUIRED AS PER SITE CONDITION.
4. STREAM CROSSING CONCRETE STRUCTURE MAY BE PROVIDED AT STREAM LOCATED BETWEEN THE FIRST AND THE SECOND LOT.
5. SEPTIC TANK AND ABSORPTION PIT SHALL BE LOCATED AT LEAST 2M AWAY FROM ANY BUILDING AND SITE BOUNDARY AS PER SITE CONDITION.
6. SEPTIC TANK SHALL HAVE A CAPACITY OF 3 CU. M. AND ABSORPTION PIT SHALL HAVE A WALL SURFACE AREA OF 20 SQ. M.

LEGEND:

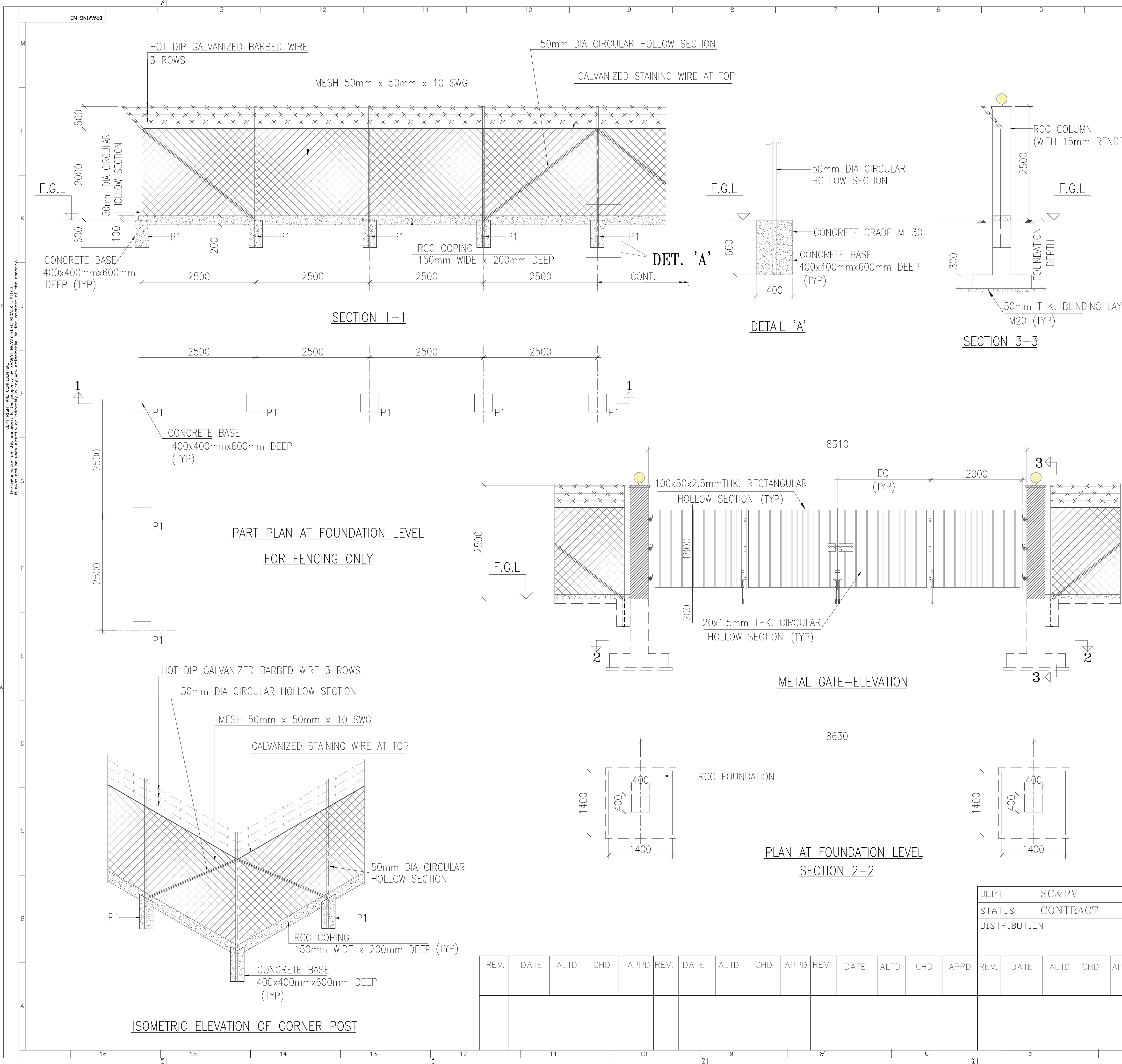
- CSS - COMPACT SUBSTATION
TYP. - TYPICAL
U.N.O. - UNLESS NOTED OTHERWISE
C - CENTER LINE

FOR TENDER PURPOSE ONLY

DEPT.	SC&PV
STATUS	CONTRACT
DISTRIBUTION	

REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD

PROJECT:	8MWac SOLAR PV FARM AT TAMARIND FALLS, HENRIETTA (PHASE-II), MAURITIUS																			
OWNER:	<div><div></div>CEB (GREEN ENERGY) Co. Ltd.</div>																			
EPC CONTRACTOR:	<div><div></div>BHARAT HEAVY ELECTRICALS LTD ELECTRONICS DIVISION, BANGALORE, INDIA</div>																			
TITLE	PART DRAWING OF SITE PLAN																			
																SCALE 1:100	DRAWING NO.			
																	SHEET 1 OF 1			
																REV. 00				



NOTES:-

1. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METRES.

2. FIGURED DIMENSIONS ONLY SHALL BE FOLLOWED.

3. ALL CONCRETE SHALL BE GRADE M-30 (EXCEPT BLINDING LAYER).

4. 50mm THICK BLINDING LAYER (GRADE M20) SHALL BE PROVIDED BELOW GATE COLUMN FOUNDATION.

5. CONCRETE COPING SHALL BE PAINTED (AFTER CLEANING) WITH AT LEAST 3 COATS OF ANTIFUNGUS PAINT.

6. ALL STRUCTURAL MEMBERS SHALL BE GALVANIZED AS PER SPECIFICATION

7. NON-GALVANIZED METAL SURFACE/METAL SUPPORT SHALL BE PAINTED WITH ONE COAT OF TWO-PACK PRIMER, ONE COAT OF UNDERCOAT AND PAINT WITH HARD GLOSS ENAMEL PAINT.

8. BARBED WIRE SHALL BE HOT DIPPED GALVANIZED.

9. GATE SHALL BE FIXED WITH 3NO.'S HEAVY DUTY HINGES.

10. IN CASE OF DIFFERENCE IN TOPOGRAPHY, ADDITIONAL METAL BRACKET SHALL BE SUITABLY PROVIDED TO MAINTAIN THE LEVEL.

11. CONCRETE COPING SHALL BE PAINTED WITH AT LEAST 3 COATS OF ANTI-FUNGUS PAINT OF APPROVED BRAND AND COLOUR.

12. METAL GATE COLUMN SHALL BE PAINTED WITH AT LEAST 3 COATS OF ANTI-FUNGUS PAINT OF APPROVED BRAND AND COLOUR.

LEGEND:

F.G.L. - FINISHED GROUND LEVEL

F.F.L. - FINISHED FLOOR LEVEL

T.O.C. - TOP OF CONCRETE

THK. - THICKNESS

TYP. - TYPICAL

U.N.O. - UNLESS NOTED OTHERWISE

CL - CENTER LINE

FOR TENDER PURPOSE ONLY

PROJECT:

8MWac SOLAR PV FARM AT TAMARIND FALLS, HENRIETTA (PHASE-II), MAURITIUS

OWNER:

CEB (GREEN ENERGY) Co. Ltd.

EPC CONTRACTOR:

BHARAT HEAVY ELECTRICALS LTD

ELECTRONICS DIVISION, BANGALORE, INDIA

TITLE:

CHAIN LINK FENCING AND METAL GATE GENERAL ARRANGEMENT & DETAILS

DEPT.

SC&PV

STATUS

CONTRACT

DISTRIBUTION

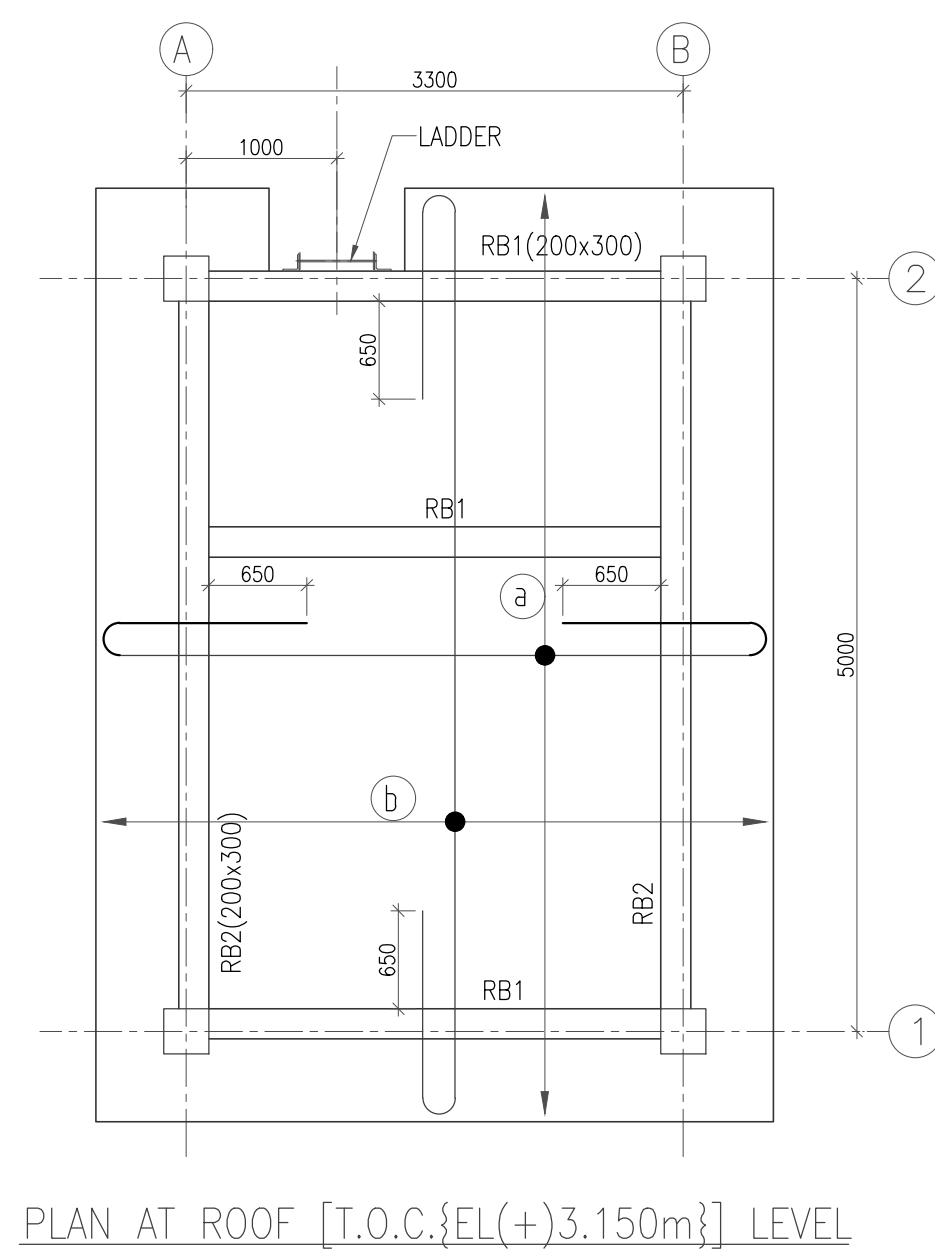
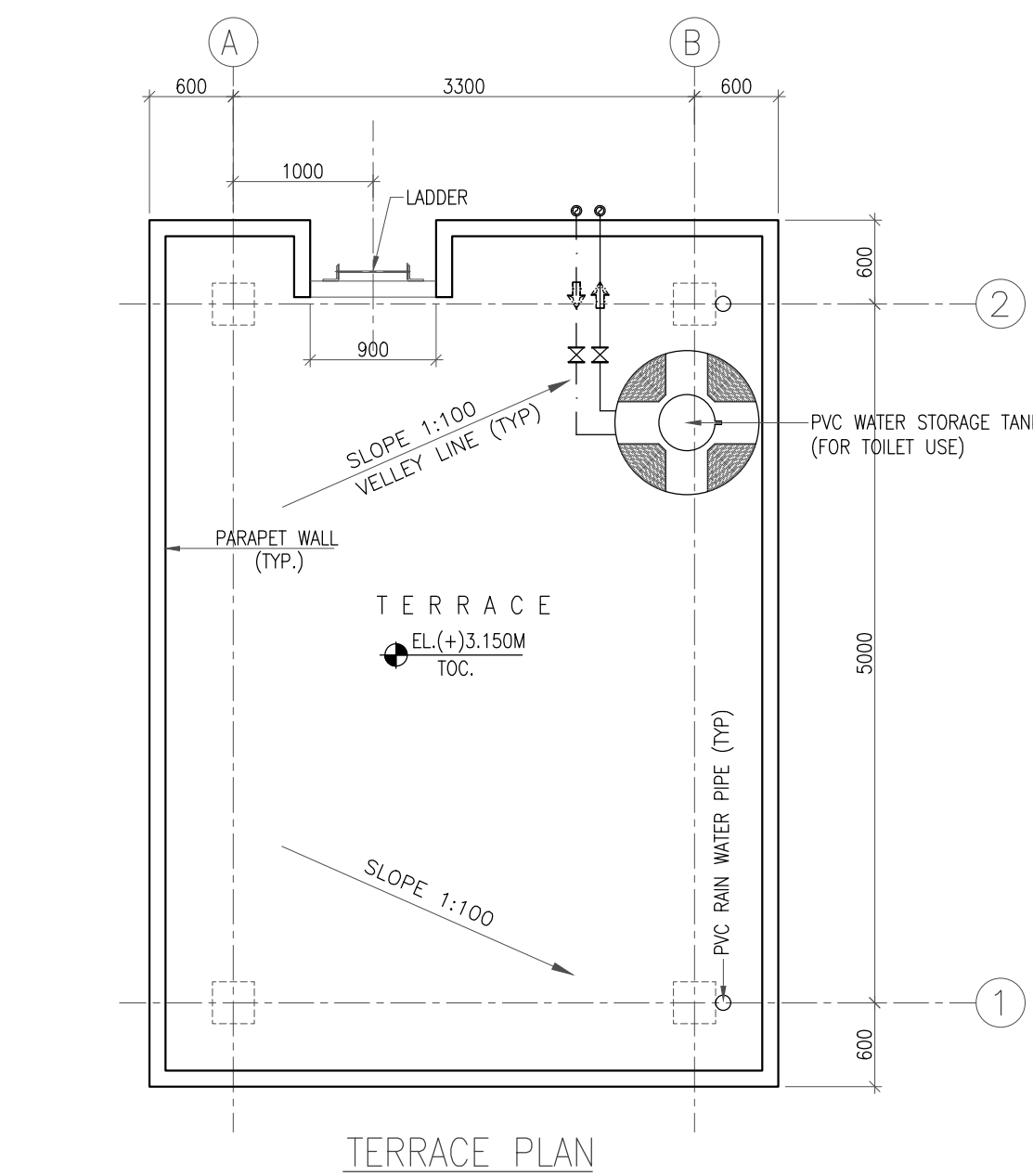
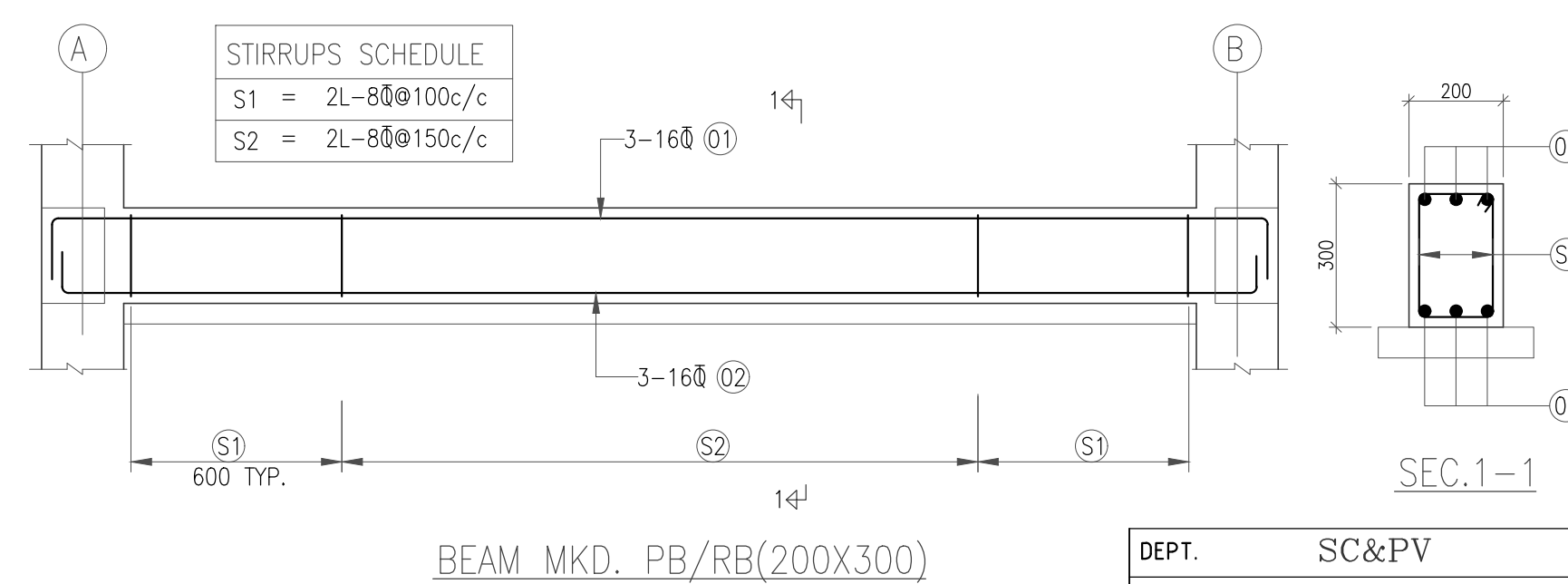
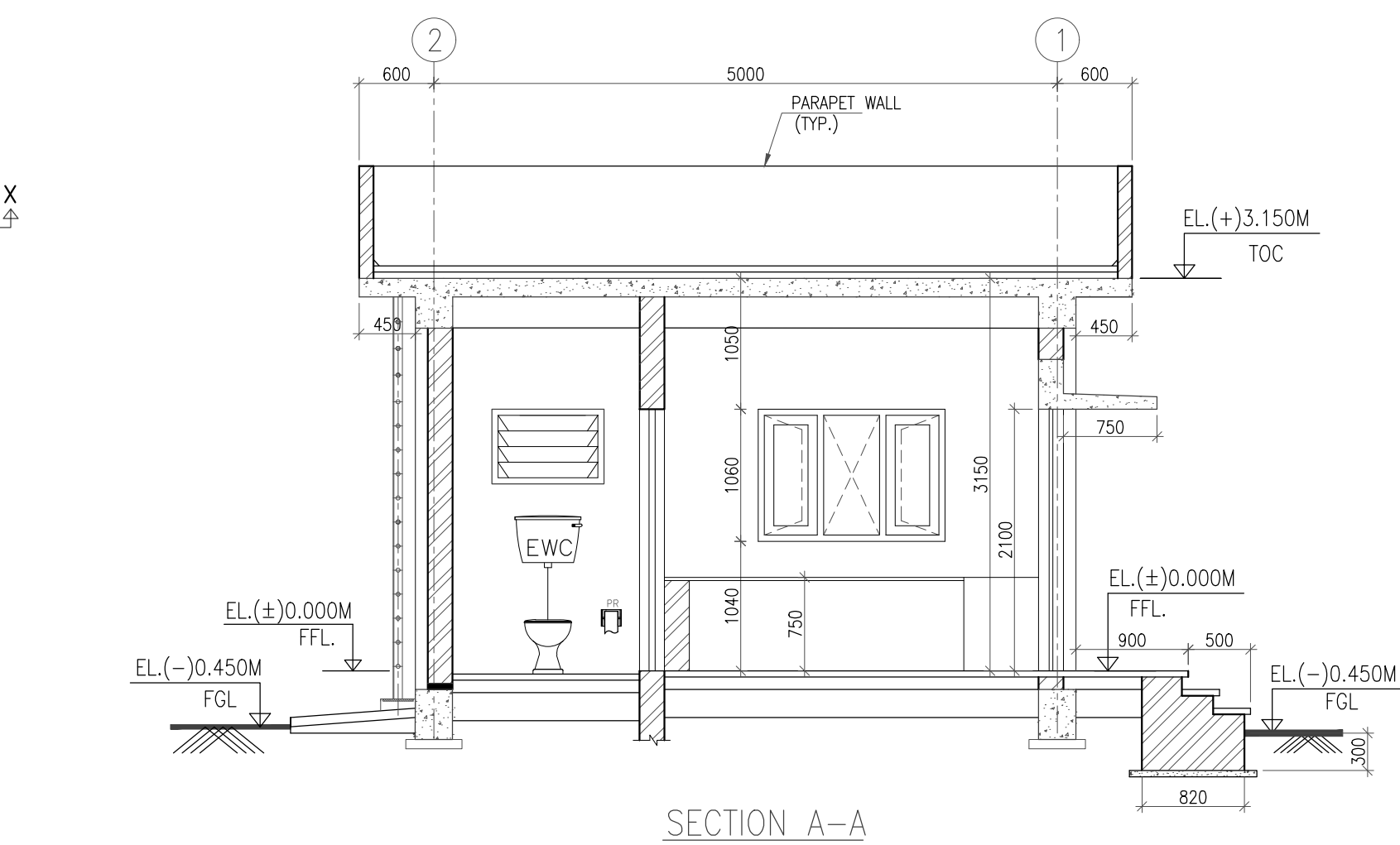
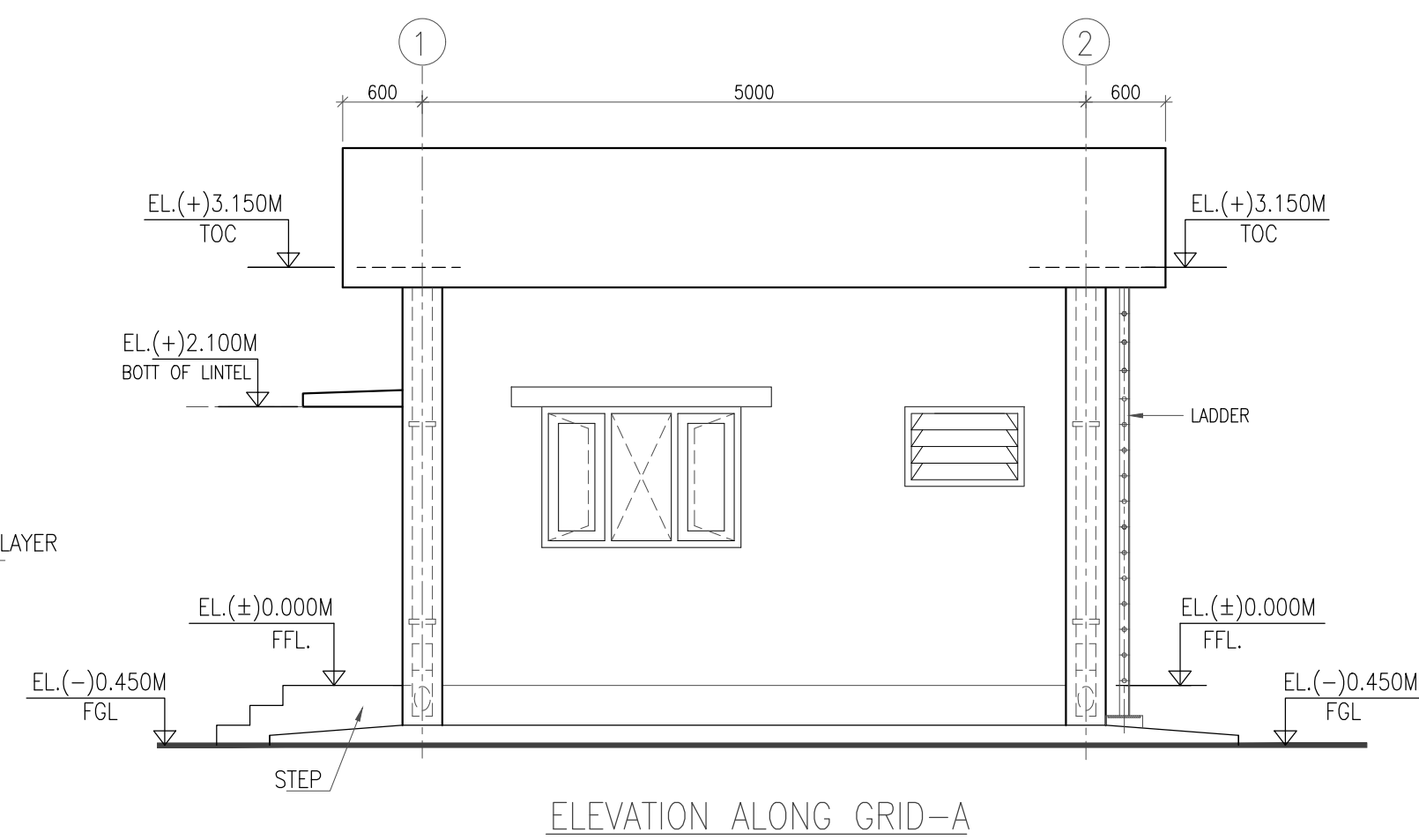
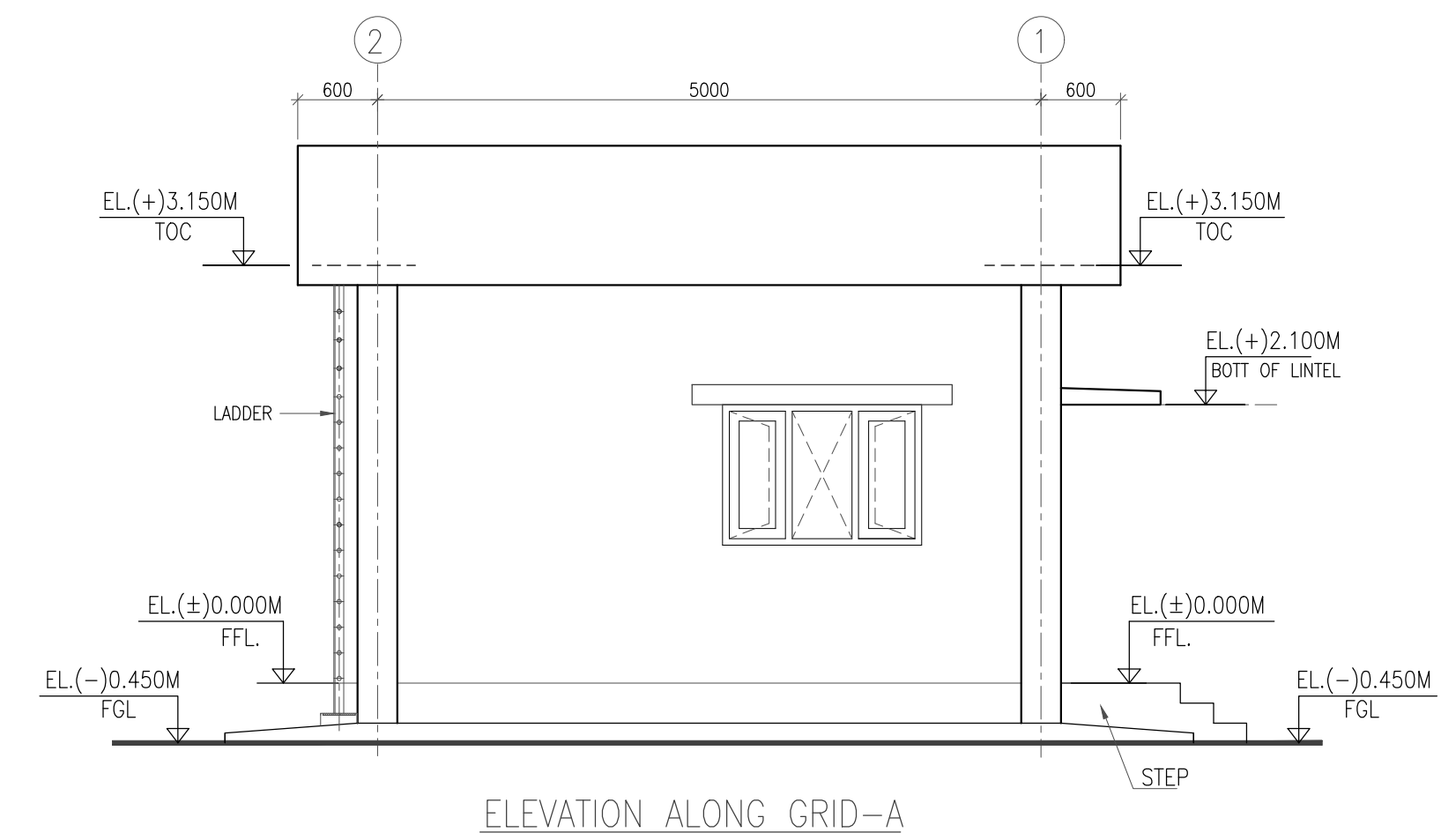
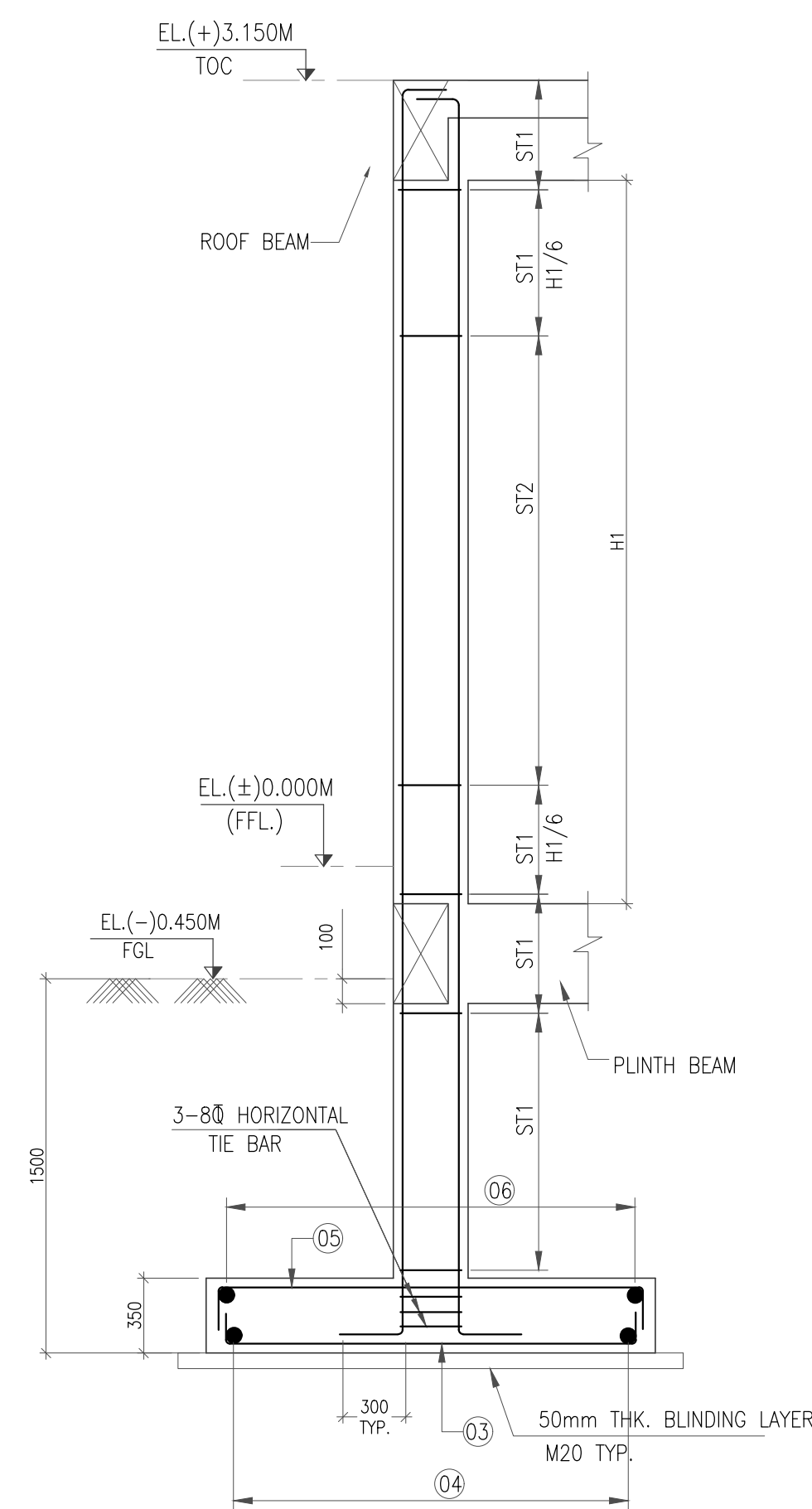
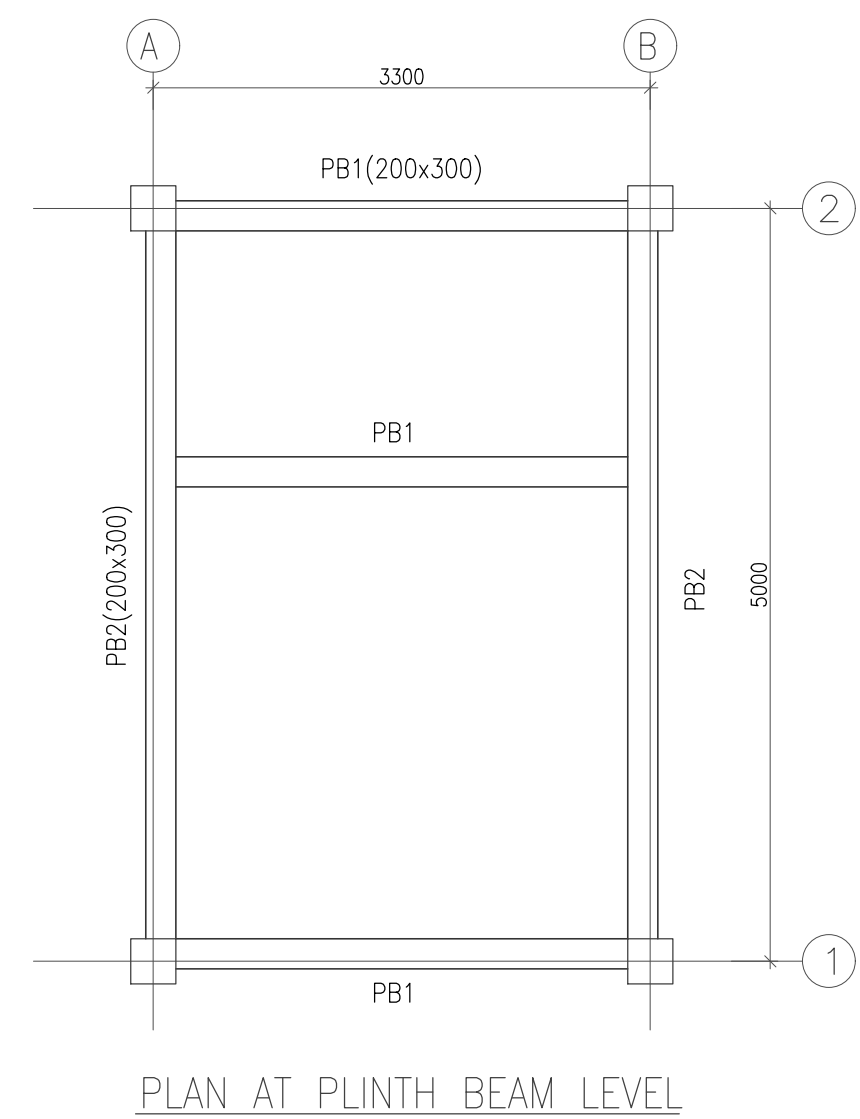
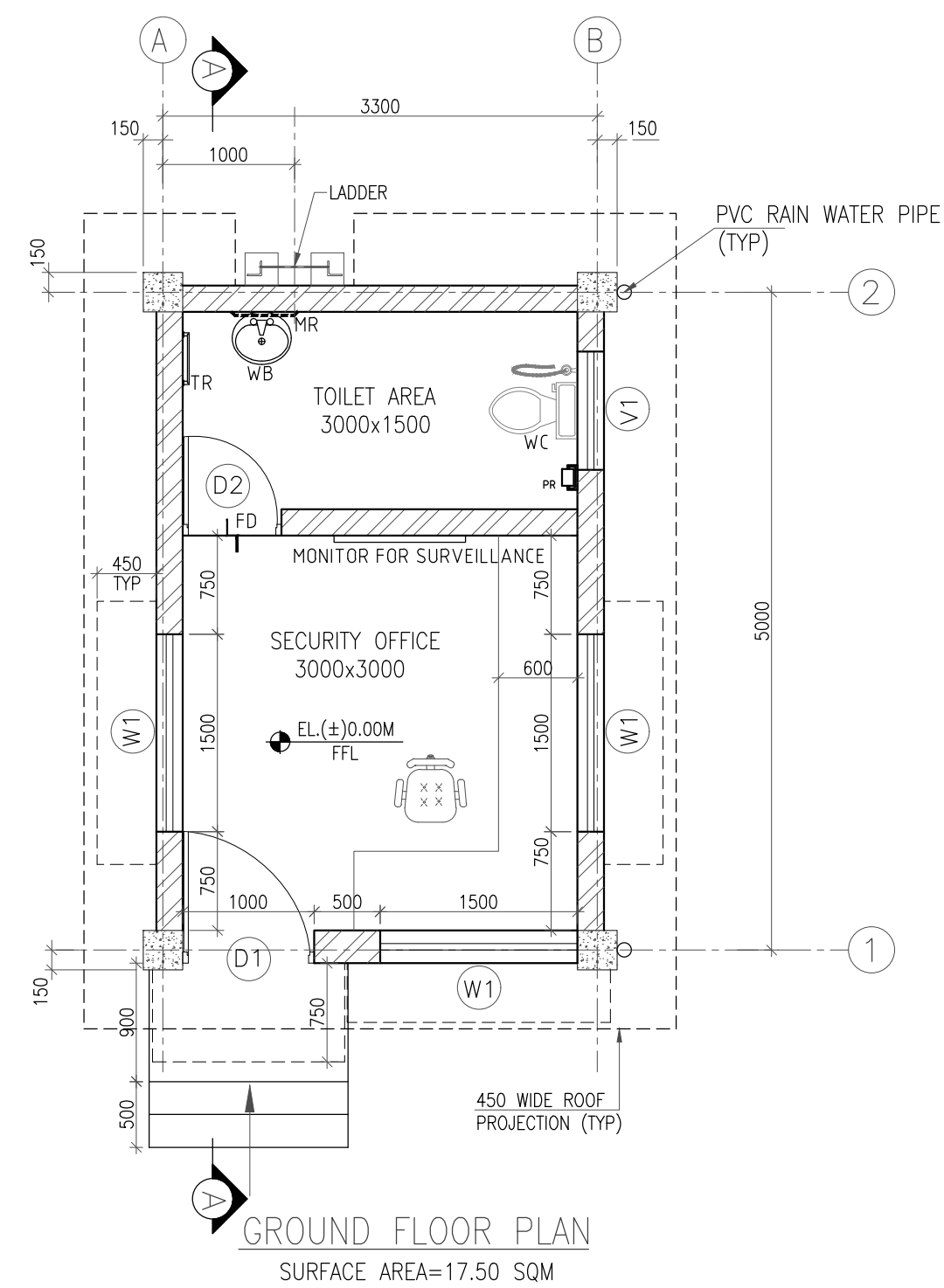
REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD

SCALE 1: 75

DRAWING NO.


SHEET 1 OF 1

REV. 00

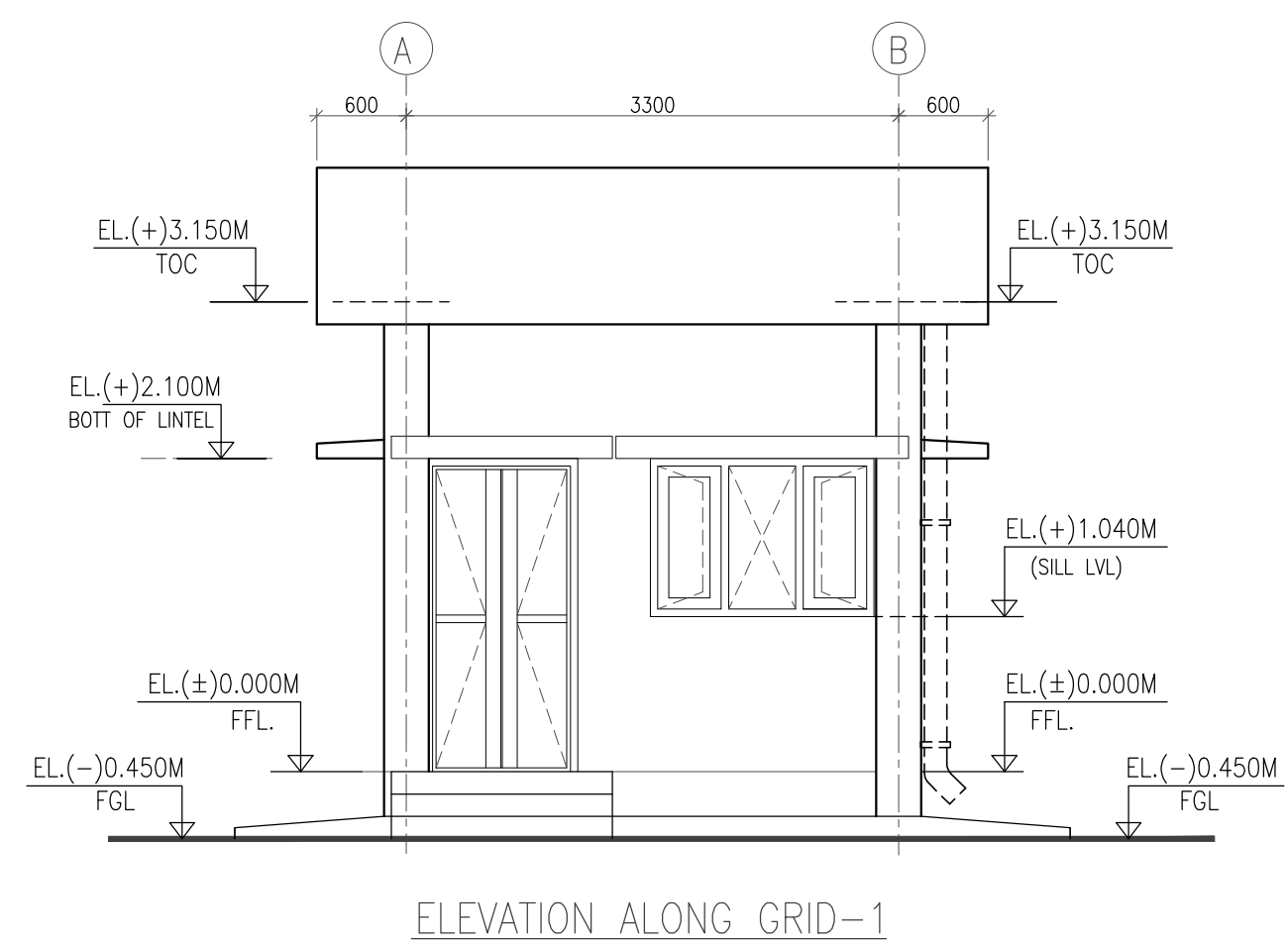
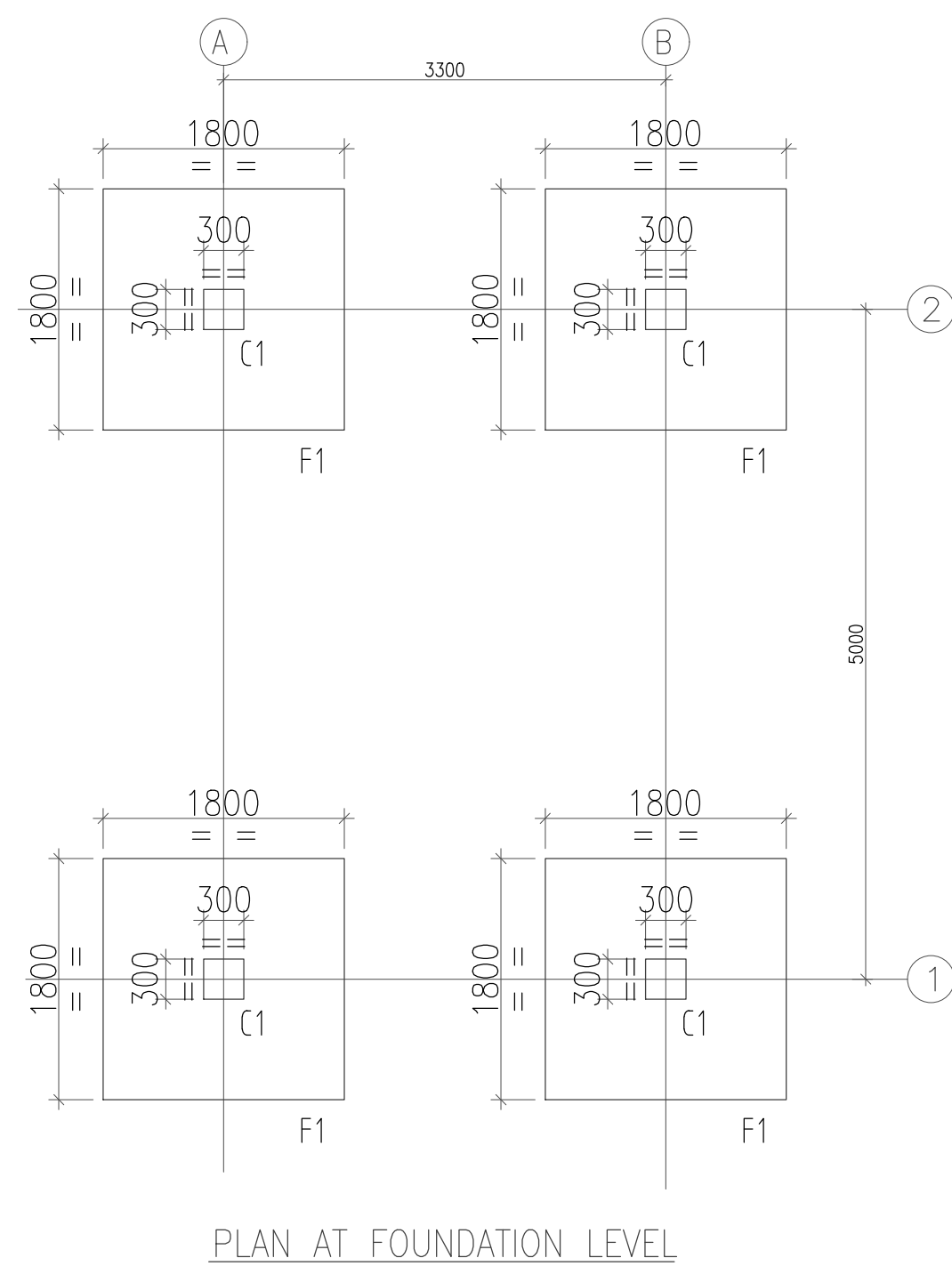


SLAB R/F. SCHEDULE
(a) = 8 Φ @150 c/c
(b) = 8 Φ @150 c/c

COLUMN SCHEDULE

FOUNDATION TO TERMINATION LEVEL	
SIZE.	(300x300)
REINFORCEMENT.	8-16@●
SPACING (ST1)	8@100 C/C (X)
SPACING (ST2)	8@150 C/C (X)
COL. MARKING	C1

STIRRUPS SCHEDULE	
S1	= 2L-8@100c/c
S2	= 2L-8@150c/c



REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD

NOTES:-

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS AND CONDITION SPECIFICATION AND SCHEDULE OF ITEMS.
2. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METRES, UNO.
3. FINISHED FLOOR LEVEL CORRESPONDS TO EL(\pm)0.000M, WHICH IS AT 450MM ABOVE FGL/NGL.
4. ALL CONCRETE SHALL BE GRADE M-30.
5. ALL REINFORCEMENT SHALL BE HIGH YIELD DEFORMED BARS COMPLYING WITH MS10 (2002).
6. CLEAR COVER TO REINF. INCLUDING LINKS



FOR R.C.C MEMBERS







SHALL BE AS UNDER:—

BEAM= 35mm, SLAB = 25mm.

FOOTING= 50mm, COLUMN = 35mm.
7. STANDARD 'L' HOOKS SHALL BE PROVIDED AT THE ENDS OF ALL BARS.
8. EXTERNAL WALL THICKNESS SHALL BE 200MM.

LEGEND:

F.G.L. – FINISHED GROUND LEVEL
F.F.L. – FINISHED FLOOR LEVEL
T.O.C. – TOP OF CONCRETE
THK. – THICKNESS
TYP. – TYPICAL
U.N.O. – UNLESS NOTED OTHERWISE
CL – CENTER LINE
 – SIDE HUNG OPENABLE PANEL
 – FIXED GLASS PANEL

LEGEND FOR TOILET AREA		
	WC	WATER CLOSET
	HF	HEALTH FAUCET FOR EWC
	WB	WASH BASIN
	MR	MIRROR
	TR	TOWEL RAIL
	FD	FLOOR DROP

FOR TENDER PURPOSE ONLY

PROJECT:	8MWac SOLAR PV FARM AT TAMARIND FALLS, HENRIETTA (PHASE-II), MAURITIUS
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OWNER: CEB (GREEN ENERGY) Co. Ltd.

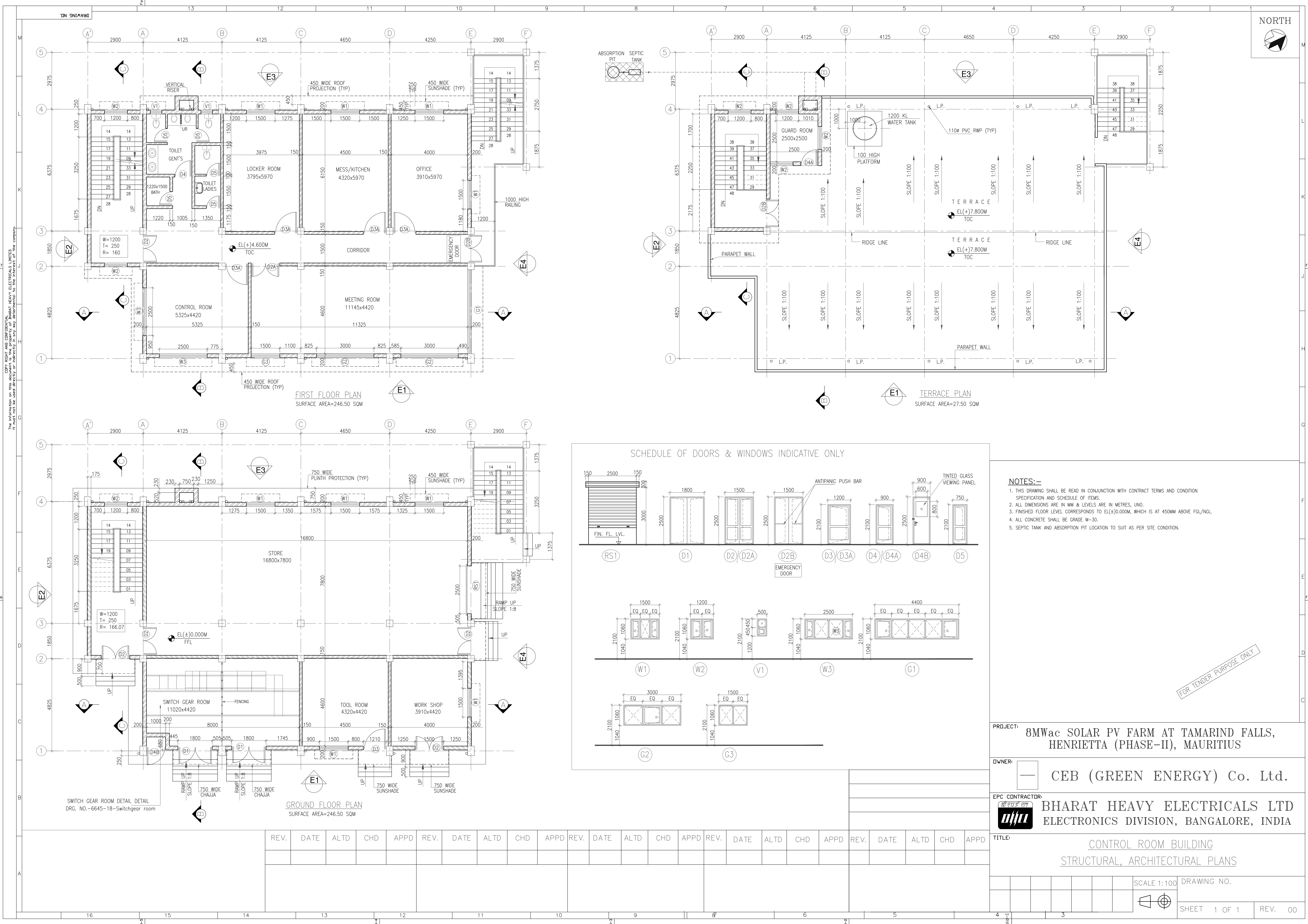
EPC CONTRACTOR:  BHARAT HEAVY ELECTRICALS LTD
ELECTRONICS DIVISION, BANGALORE, INDIA

TITLE	GATE POST BUILDING – STRUCTURAL, ARCHITECTURAL PLANS, ELEVATIONS, SECTIONS & REINFORCEMENT DETAILS
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SCALE 1:100	DRAWING NO.
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SHEET 1 OF 1

REV 00



NOTES:-

- 1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS AND CONDITION SPECIFICATION AND SCHEDULE OF ITEMS.
- 2. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METRES, UNO.
- 3. FINISHED FLOOR LEVEL CORRESPONDS TO EL(+0.000M, WHICH IS AT 450MM ABOVE FGL/WGL.
- 4. ALL CONCRETE SHALL BE GRADE M-30.
- 5. SEPTIC TANK AND ABSORPTION PIT LOCATION TO SUIT AS PER SITE CONDITION.

FOR TENDER PURPOSE ONLY

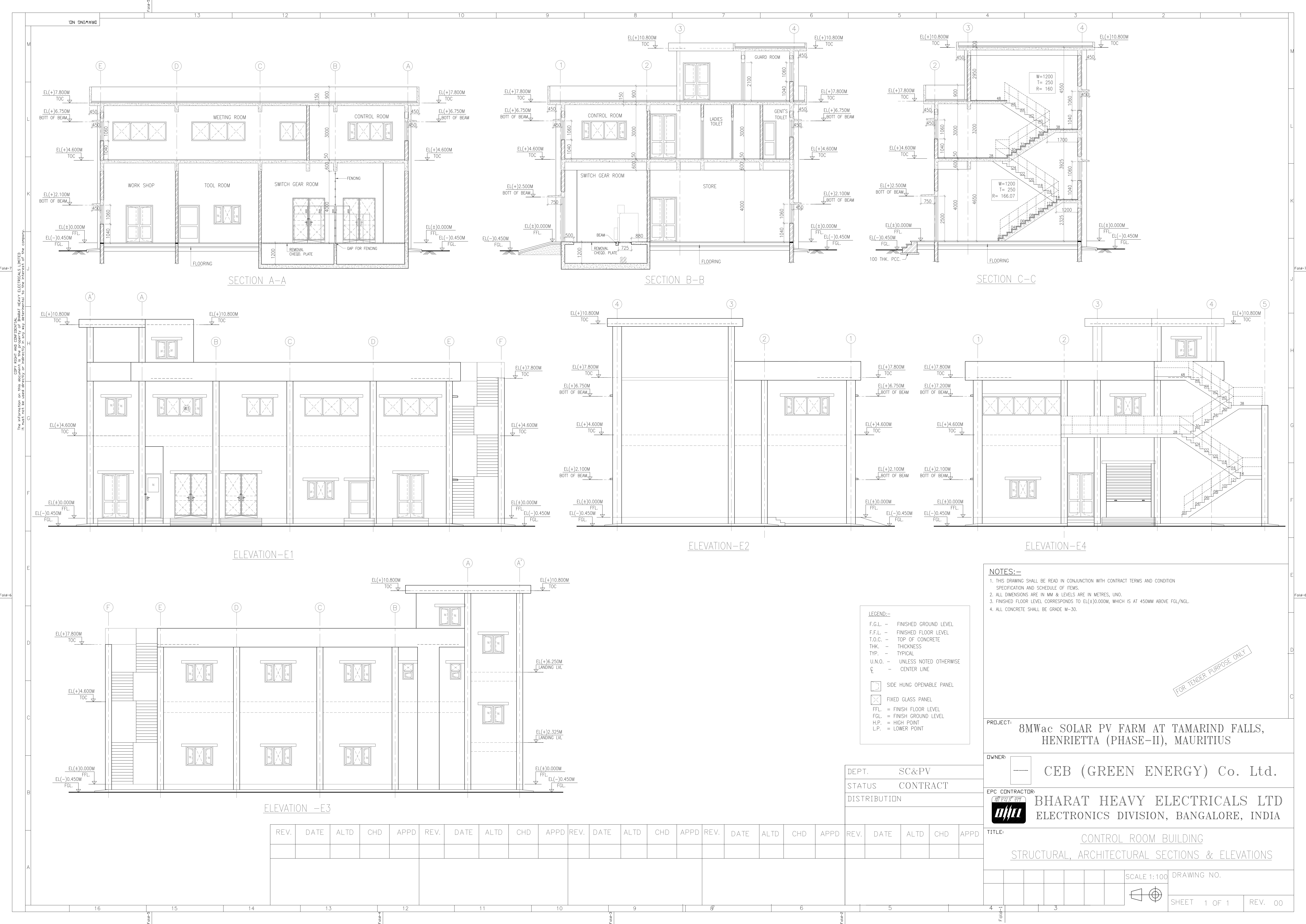
PROJECT: 8MWac SOLAR PV FARM AT TAMARIND FALLS, HENRIETTA (PHASE-II), MAURITIUS

OWNER: CEB (GREEN ENERGY) Co. Ltd.

EPC CONTRACTOR: BHARAT HEAVY ELECTRICALS LTD
ELECTRONICS DIVISION, BANGALORE, INDIA

TITLE: CONTROL ROOM BUILDING
STRUCTURAL, ARCHITECTURAL PLANS

SCALE 1:100		DRAWING NO.	
SHEET 1 OF 1		REV. 00	



NOTES:-

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS AND CONDITION SPECIFICATION AND SCHEDULE OF ITEMS.
- ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METRES, UNO.
- FINISHED FLOOR LEVEL CORRESPONDS TO EL(+0.000M, WHICH IS AT 450MM ABOVE FGL/NGL.
- ALL CONCRETE SHALL BE GRADE M-30.

PROJECT: 8MWac SOLAR PV FARM AT TAMARIND FALLS, HENRIETTA (PHASE-II), MAURITIUS

OWNER: CEB (GREEN ENERGY) Co. Ltd.

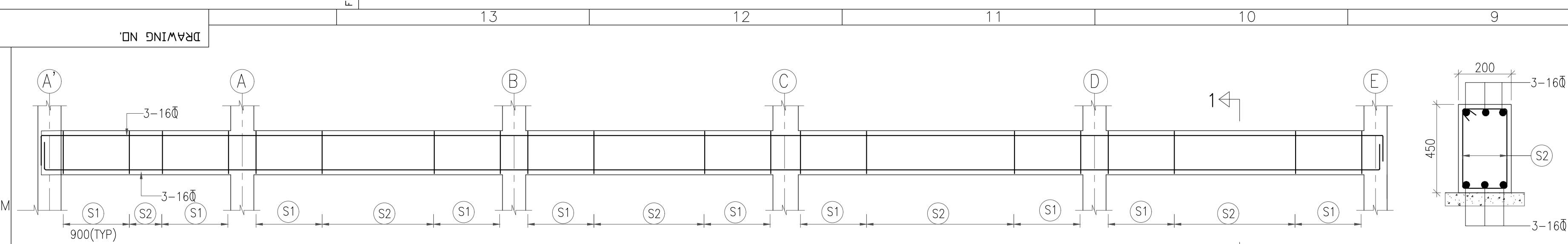
EPC CONTRACTOR: BHARAT HEAVY ELECTRICALS LTD ELECTRONICS DIVISION, BANGALORE, INDIA

TITLE: CONTROL ROOM BUILDING
STRUCTURAL, ARCHITECTURAL SECTIONS & ELEVATIONS

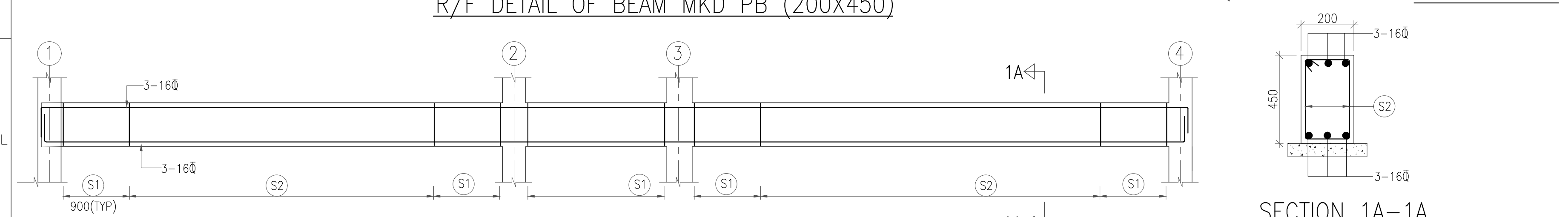
SCALE 1:100 DRAWING NO.

SHEET 1 OF 1 REV. 00

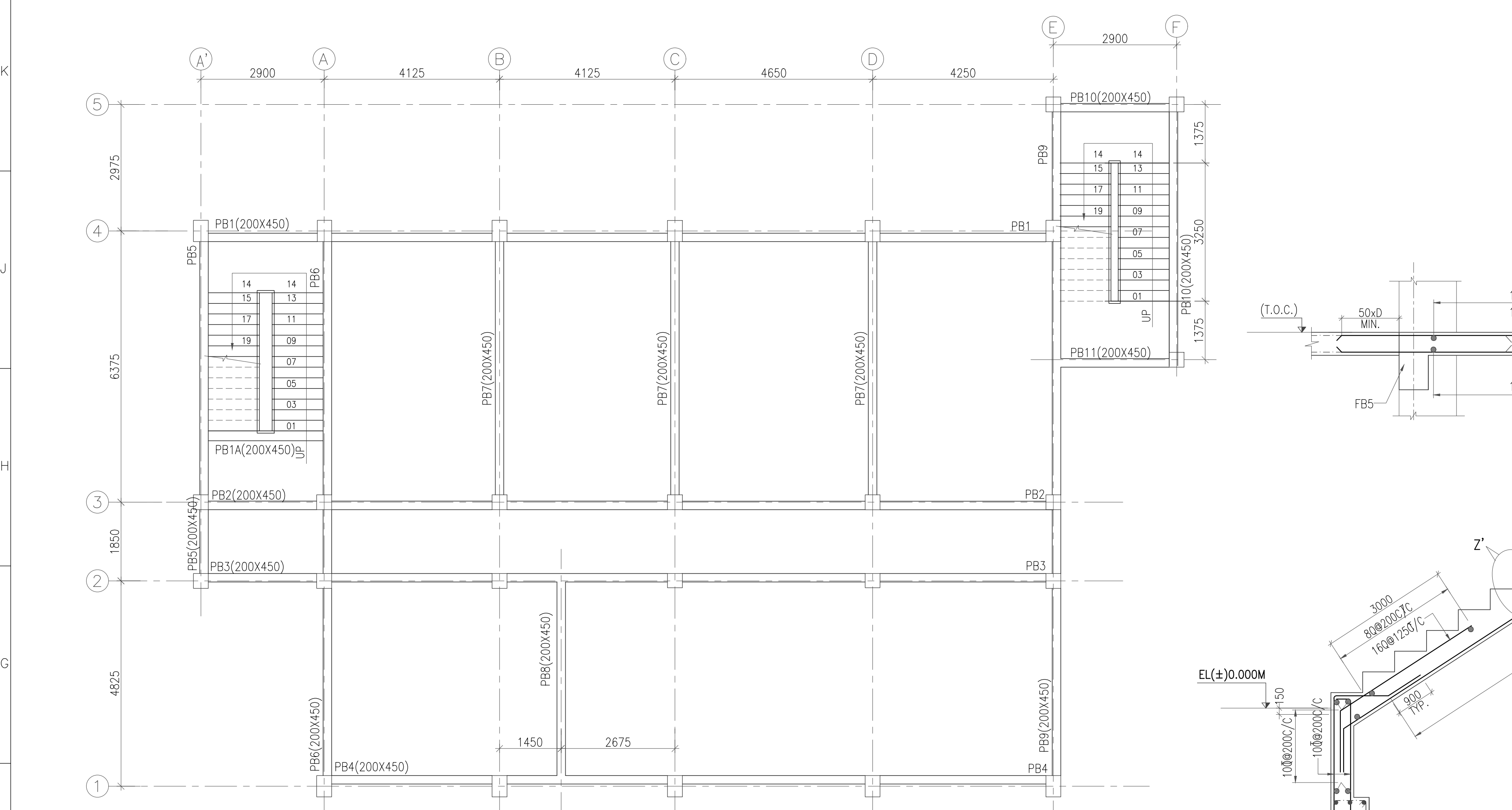
- LEGEND:-**
- F.G.L. - FINISHED GROUND LEVEL
 - F.F.L. - FINISHED FLOOR LEVEL
 - T.O.C. - TOP OF CONCRETE
 - THK. - THICKNESS
 - TYP. - TYPICAL
 - U.N.O. - UNLESS NOTED OTHERWISE
 - CL - CENTER LINE
 - SIDE HUNG OPENABLE PANEL
 - FIXED GLASS PANEL
 - F.F.L. = FINISH FLOOR LEVEL
 - F.G.L. = FINISH GROUND LEVEL
 - H.P. = HIGH POINT
 - L.P. = LOWER POINT



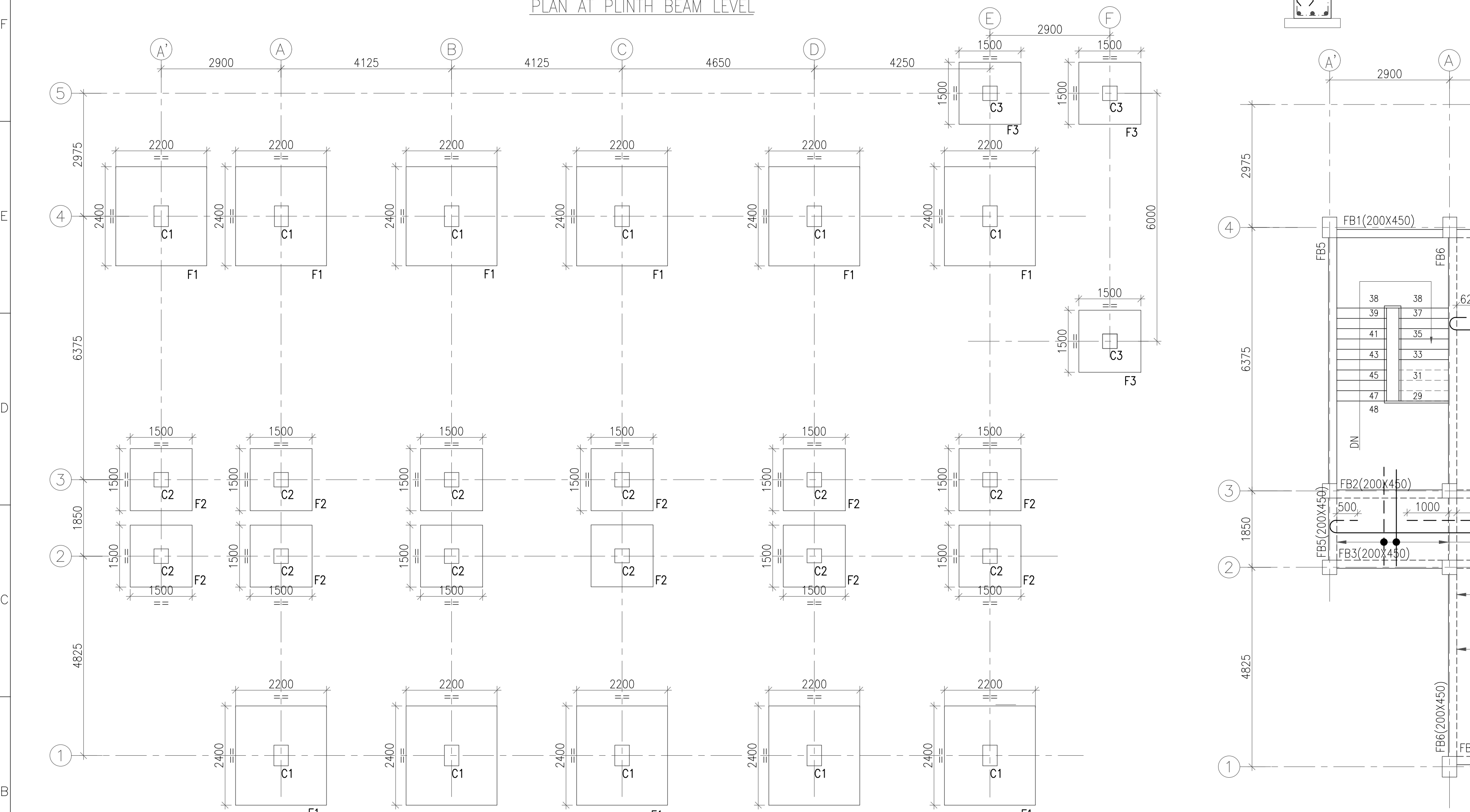
R/F DETAIL OF BEAM MKD PB (200X450)



R/F DETAIL OF BEAM MKD PB (200X450)



PLAN AT PLINTH BEAM LEVEL

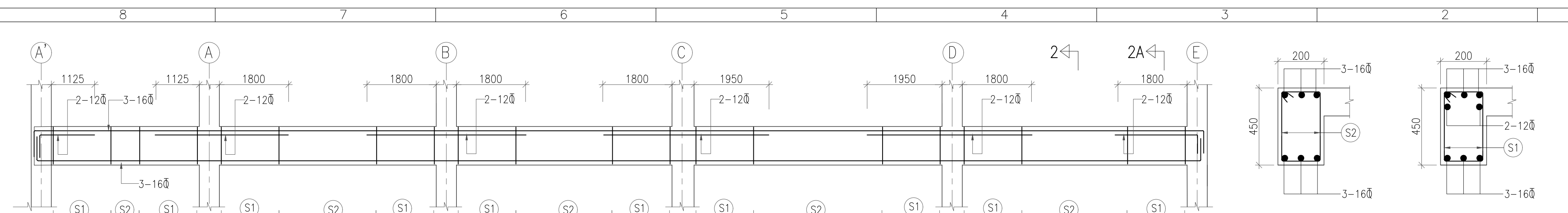


F1
GROUND FLOOR PLAN

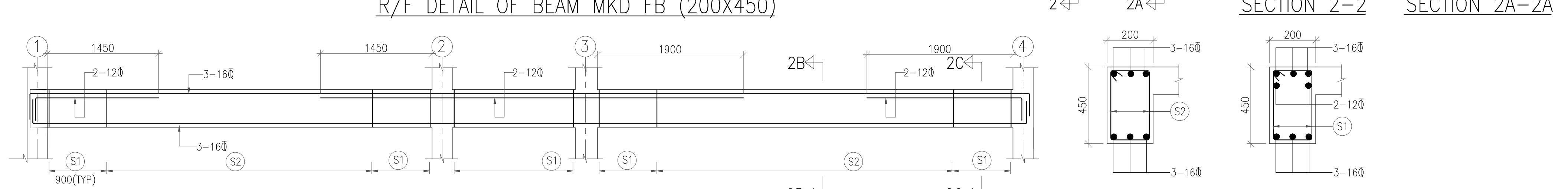
NOTES:—

1. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METRES.
2. FIGURED DIMENSIONS ONLY SHALL BE FOLLOWED.
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCH. DWG.
4. ALL R.C.C. SHALL BE MIX M-30
5. ALL REINFORCEMENT SHALL BE HIGH YIELD DEFORMED BARS COMPLYING WITH MS10 (2002)
6. CLEAR COVER TO REINF. INCLUDING LINKS
FOR R.C.C MEMBERS-- BEAM= 35mm, SLAB = 25mm.
SHALL BE AS UNDER:- FOOTING= 50mm, COLUMN = 35mm.
7. STANDARD "L" HOOKS SHALL BE PROVIDED AT THE ENDS OF ALL BARS.

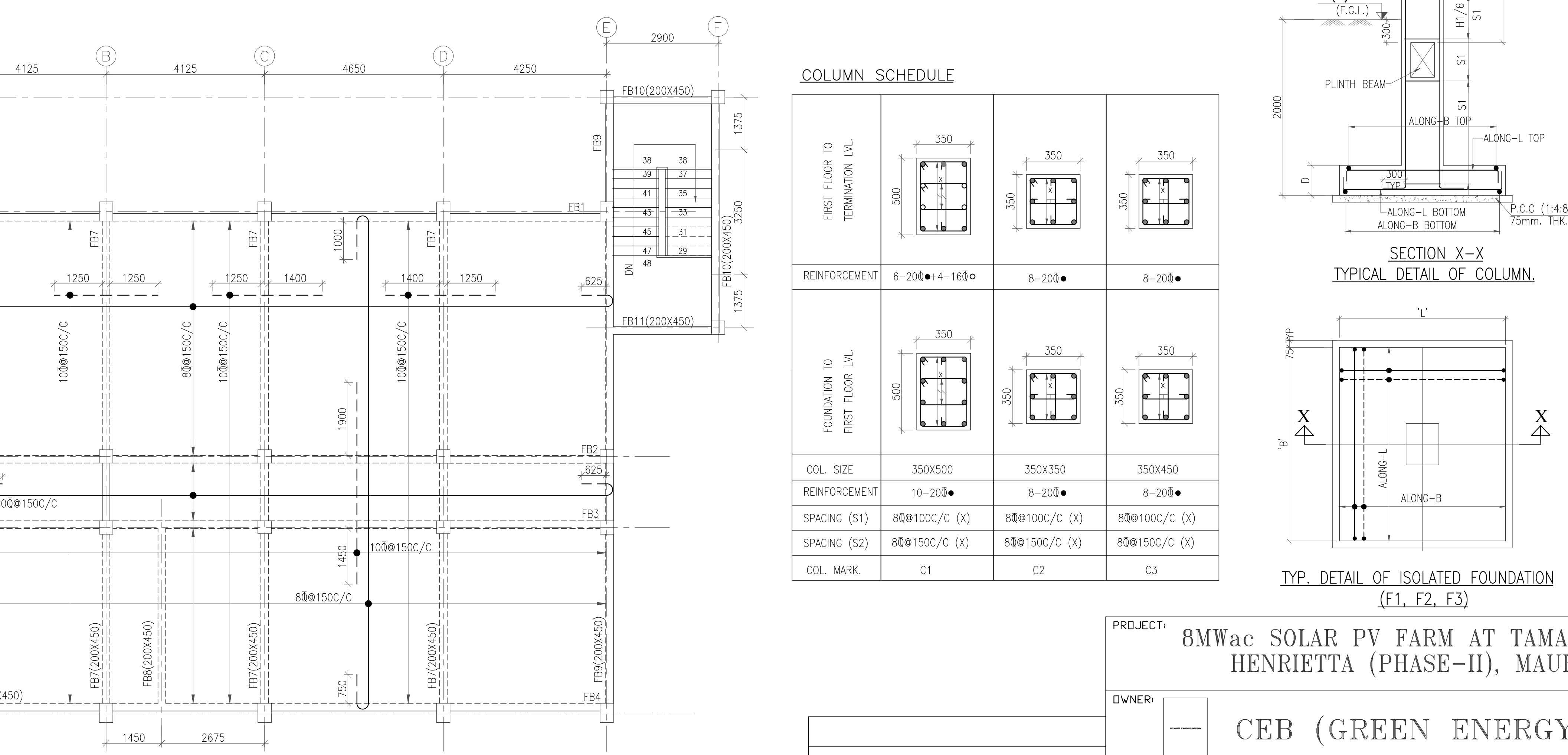
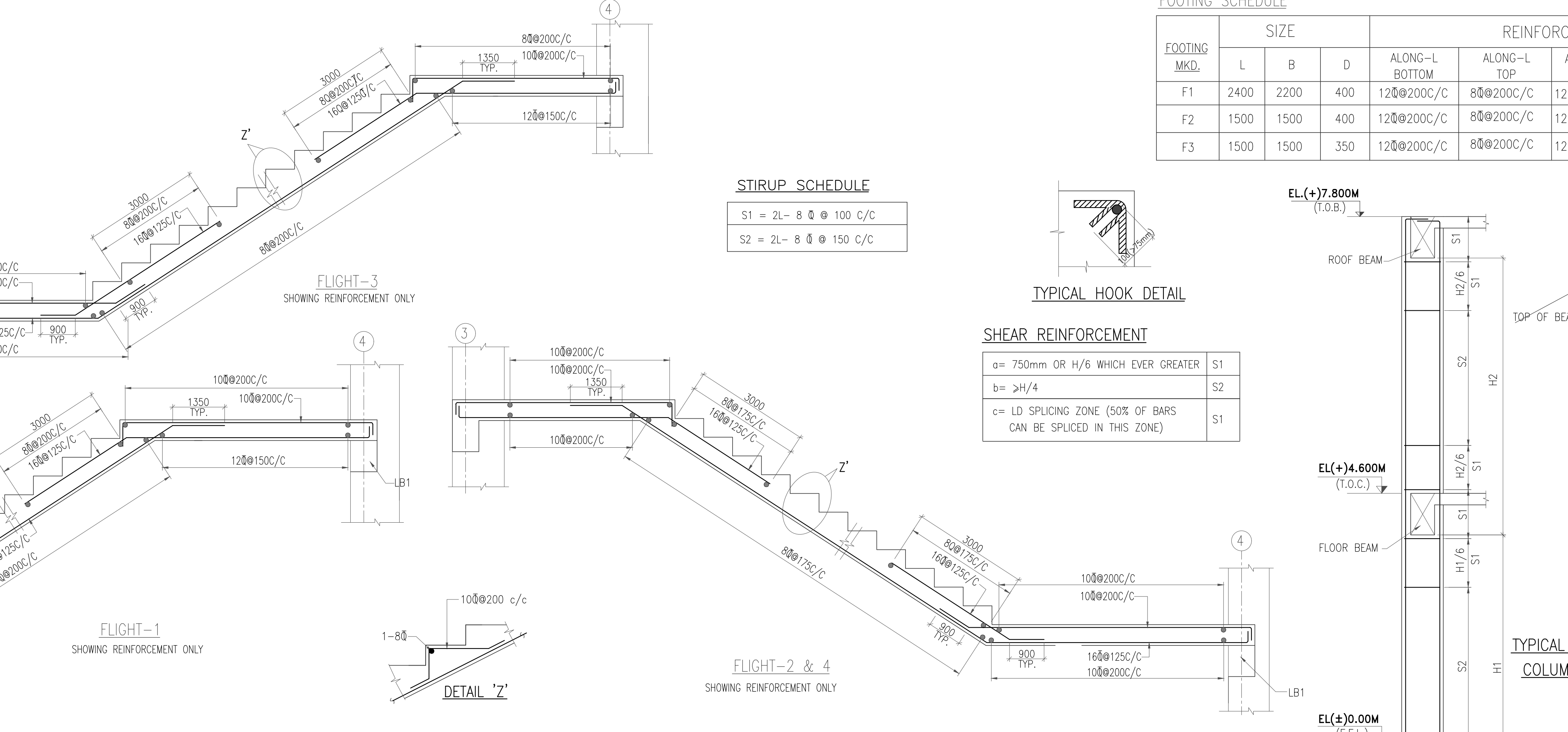
8. BOTTOM BAR INDICATES: _____
9. TOP BAR INDICATES: _____



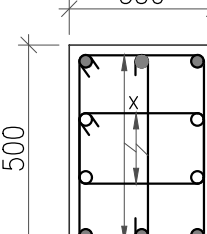
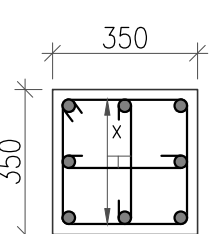
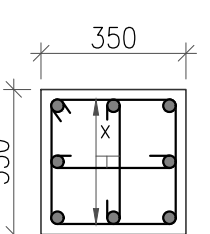
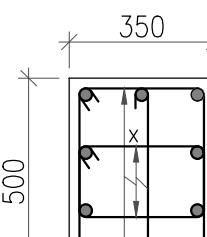
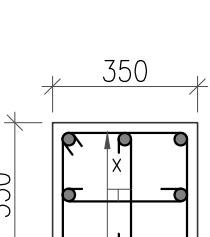
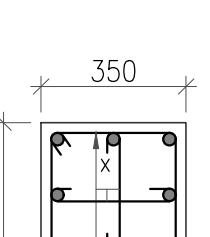
R/F DETAIL OF BEAM MKD FB (200X450)



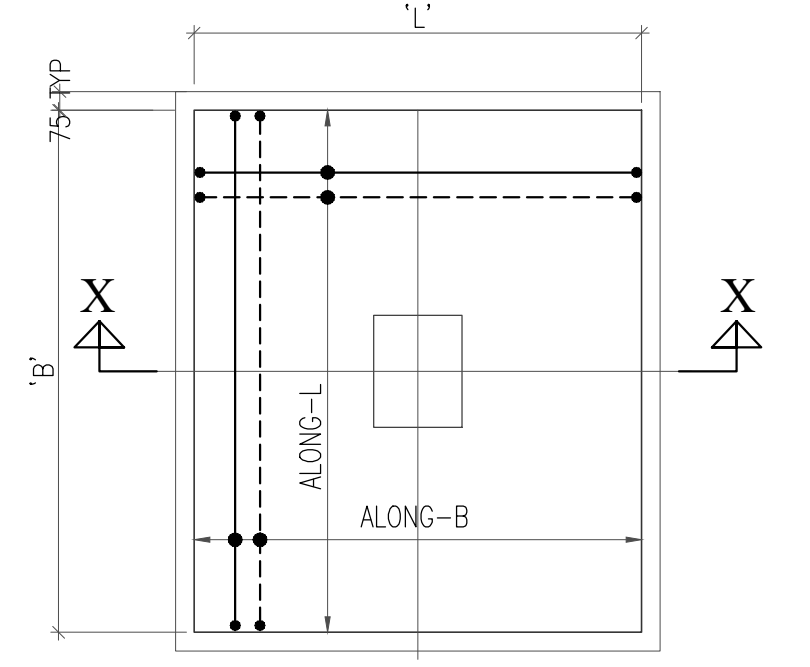
R/F DETAIL OF BEAM MKD FB (200X450)



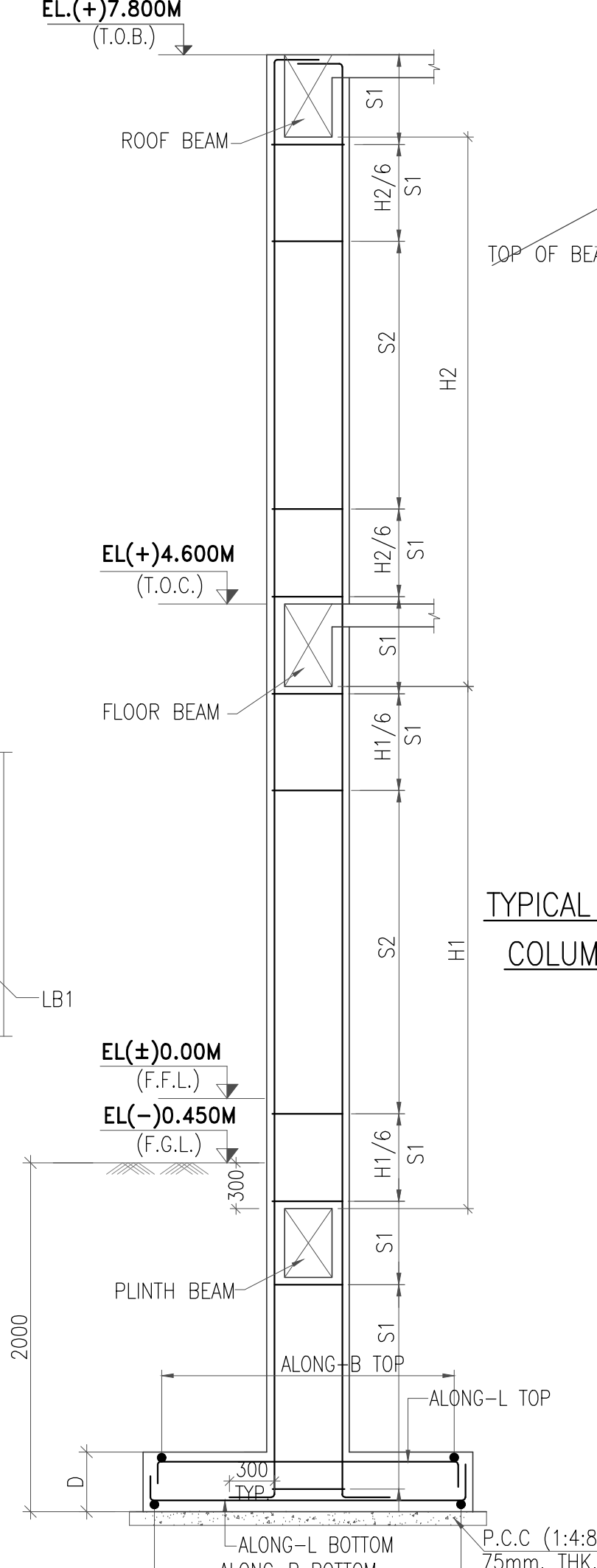
COLUMN SCHEDULE

FIRST FLOOR TO TERMINATION LVL.			
REINFORCEMENT	6-200 ● 4-160 ○	8-200 ●	8-200 ●
FOUNDATION TO FIRST FLOOR LVL.			
COL. SIZE	350X500	350X350	350X450
REINFORCEMENT	10-200 ●	8-200 ●	8-200 ●
SPACING (S1)	800@100C/C (X)	800@100C/C (X)	800@100C/C (X)
SPACING (S2)	800@150C/C (X)	800@150C/C (X)	800@150C/C (X)
COL. MARK.	C1	C2	C3

SECTION X-X
TYPICAL DETAIL OF COLUMN.



TYP. DETAIL OF ISOLATED FOUNDATION
(F1, F2, F3)



SECTION X-X
TYPICAL DETAIL OF COLUMN.

TYPICAL DETAIL FOR SPLICING OF
COLUMN REINFORCEMENT BARS

PROJECT:	8MWac SOLAR PV FARM AT TAMARIND FALLS, HENRIETTA (PHASE-II), MAURITIUS
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OWNER: CEB (GREEN ENERGY) Co. Ltd.

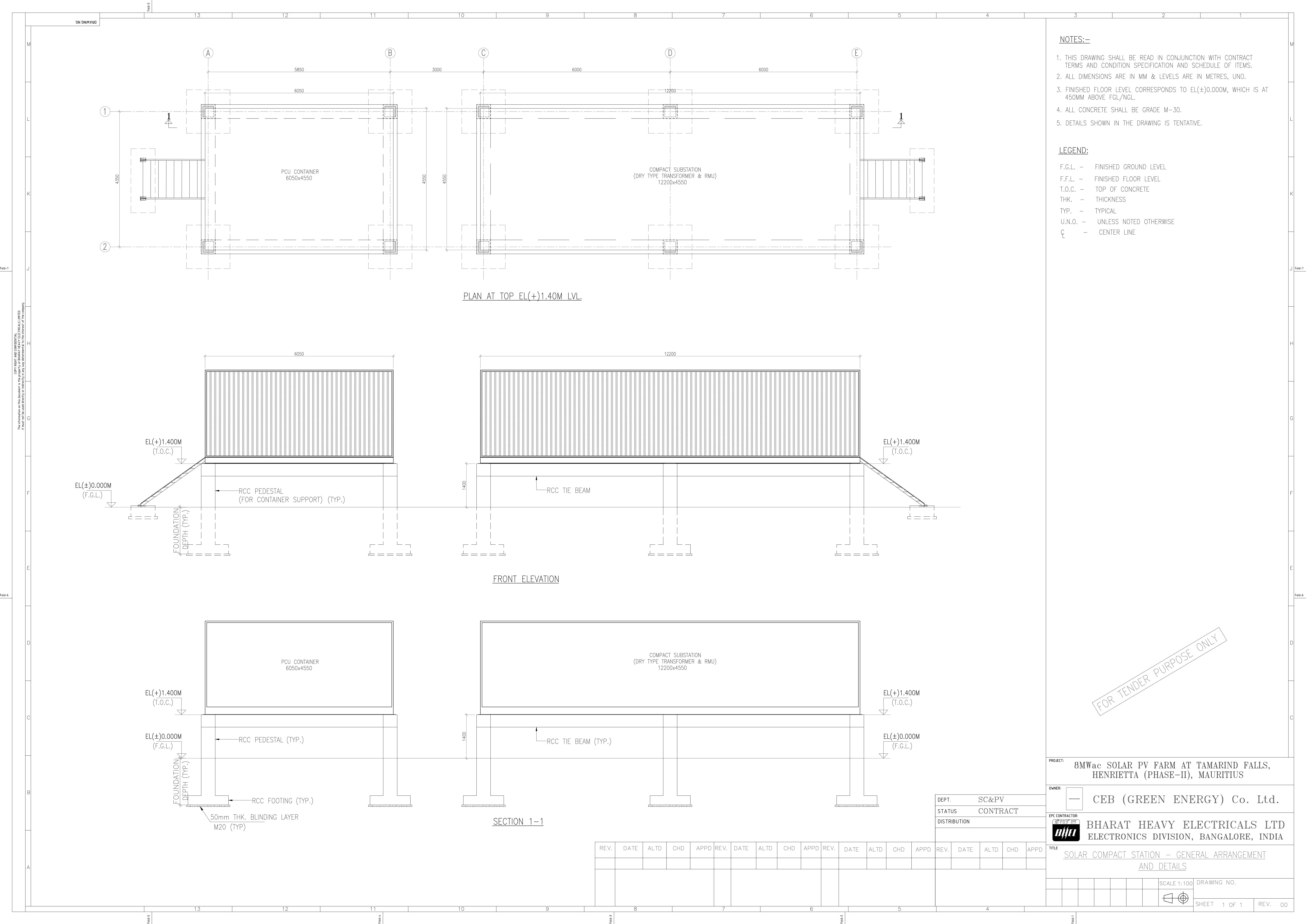
EPC CONTRACTOR:  **BHARAT HEAVY ELECTRICALS LTD.**
ELECTRONICS DIVISION, BANGALORE, INDIA

TITLE: SOLAR FACILITY BUILDING (CONTROL ROOM BUILDING)
GA & RF. DETAIL OF FDN. COL. PLINTH & FLOOR BEA

							SCALE 1:100	DRAWING NO.
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[illegible]

Field	Value
Field	



NOTES:-

- 1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS AND CONDITION SPECIFICATION AND SCHEDULE OF ITEMS.
- 2. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METRES, UNO.
- 3. FINISHED FLOOR LEVEL CORRESPONDS TO EL(±)0.000M, WHICH IS AT 450MM ABOVE FGL/NGL.
- 4. ALL CONCRETE SHALL BE GRADE M-30.
- 5. DETAILS SHOWN IN THE DRAWING IS TENTATIVE.

LEGEND:

- F.G.L. - FINISHED GROUND LEVEL
- F.F.L. - FINISHED FLOOR LEVEL
- T.O.C. - TOP OF CONCRETE
- THK. - THICKNESS
- TYP. - TYPICAL
- U.N.O. - UNLESS NOTED OTHERWISE
- C_L - CENTER LINE

FOR TENDER PURPOSE ONLY

PROJECT: 8MWac SOLAR PV FARM AT TAMARIND FALLS, HENRIETTA (PHASE-II), MAURITIUS

OWNER: CEB (GREEN ENERGY) Co. Ltd.

EPC CONTRACTOR: BHARAT HEAVY ELECTRICALS LTD
ELECTRONICS DIVISION, BANGALORE, INDIA

TITLE: SOLAR COMPACT STATION – GENERAL ARRANGEMENT AND DETAILS

DEPT. SC&PV
STATUS CONTRACT
DISTRIBUTION

REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD

SCALE 1:100

DRAWING NO.

SHEET 1 OF 1

REV. 00



TENDER DOCUMENT for “Civil Consultancy Services and other associated works for 8MW_{ac} Solar PV farm at Tamarind falls, Henrietta (Phase II), Mauritius”

SBD/ SCPV/ MAURITIUS/ 8 MW/ CS/02, Dt.: 08-07-2021

UN-PRICED PRICE BID

“CIVIL CONSULTANCY SERVICES AND OTHER ASSOCIATED WORKS FOR 8MW_{AC} SOLAR PV FARM AT TAMARIND FALLS, HENRIETTA (PHASE-II), MAURITIUS”

NAME OF BIDDER:
(AFFIX SEAL & SIGNATURE ON ALL PAGES OF PRICE BID)

Mowleeswaran Natesan,
Dy. Manager-Civil, BHEL-EDN

CONTRACTOR (SIGN & SEAL)

UN-PRICED PRICE BID					
"CIVIL CONSULTANCY SERVICES AND OTHER ASSOCIATED WORKS FOR 8MWac SOLAR PV FARM AT TAMARIND FALLS, HENRIETTA (PHASE II), MURITIUS".					
TENDER REF.: SBD/ SCPV/ MAURITIUS/ 8 MW/ CS/02, Dt.: 08-07-2021					
SL. NO.	DESCRIPTION OF THE WORK	UNIT	QTY	RATE	AMOUNT
1	Design & getting approval from OWNER/OWNER's CONSULTANT along with Mauritius Registered Engineers/architect certification of all structural, civil and architectural drawings, designs of RCC Buildings including electrical details - drafting, delivery of design documents for Control room (two storied building), Guard (security) room building, etc., as per specifications detailed by BHEL. Details of necessary (STAAD (or) any other softwares) calculations etc. to be submitted for getting OWNER/OWNER's CONSULTANT approval. (Design shall be as per British Standard/Mauritius Standard or standard as directed by BHEL/Owner/Owner's Consultant). (For measurement, outer wall to outer wall dimensions in meters shall be considered) (Payment shall be made on per sq. Meter basis irrespective of no. of design documents and drawings made for unique building as per instruction of BHEL)	Sq.M	605	1404.96	850000
2	Design & getting approval from OWNER/OWNER's CONSULTANT along with Mauritius Registered Engineers/architect certification of all structural, civil and architectural drawings, designs of unique strutures (except RCC building as listed in Sl. No.1 above) including electrical details - drafting, delivery of design documents for Chain link fencing, gate, Compact Sub-station (CSS) foundation, pump house, river cross over structure, Module mounting structure (MMS), MMS foundations, Roads ,pathways, Drains, landscaping, Rain water harvesting, UG water tank, Rain Water harvesting system, retaining wall, slope protection, etc., as per specifications detailed by BHEL. Details of necessary (STAAD (or) any other softwares) calculations etc. to be submitted for getting OWNER/OWNER's CONSULTANT approval. (Design shall be as per British Standard/Mauritius Standard or standard as directed by BHEL/Owner/Owner's Consultant). (Payment shall be made on per unique structure basis irrespective of no. of design documents and drawings made as per instruction of BHEL)	Nos. of Unique Structure	18	138889	2500000
3	Submission & getting approval from OWNER/OWNER's CONSULTANT along with Mauritius Registered Engineers and architect certification on Master plan layout drawing (including all facilities like buildings, structures, MMS array, Road, pathways, Drains, street light, any other misc. strutures, etc. including electrical details) as per specifications and instruction detailed by BHEL. Details of necessary soft copies (AUTOCAD copy (or) any other softwares copies) to be submitted to BHEL after getting OWNER/OWNER's CONSULTANT approval. (All design shall be as per British Standard/Mauritius Standard or standard as directed by BHEL/Owner/Owner's Consultant). (Payment shall be made on per unique drawing basis irrespective of no. of design documents and drawings made as per instruction of BHEL)	Nos. of Unique drawings	1	1000000	1000000
4	Visit to OWNER/OWNER's CONSULTANT office (Mauritius (or) any other location as decided by Owner/Owner's Consultant/BHEL) for drawing/design approvals (including stay 1 or 2days as per the requirement for getting approvals etc.,) (Cost shall include all expenditures, vis., travel cost, boarding, loading, local conveyance, visa charges, etc.)	Per Visit	10	50000	500000
5	Visit to 8 MWp Solar PV farm site at MAURITIUS for technical guidance (to resolve design related issues at site as per requirement). (including stay 1 or 2days as per the site requirement etc.,) (Cost shall include all expenditures, vis., travel cost, boarding, loading, local conveyance, visa charges, etc.)	Per Visit	10	50000	500000
6	Deployment of one Mauritius Professional Registered Civil Engineer (with an experience of at least 10 years) for Monitoring/supervising, certification/approval of works at site, bills, etc.	Per Month	10	100000	1000000
A	TOTAL AMOUNT				6350000.00
B	TAXES @ 18%				1143000.00
C	TOTAL AMOUNT (Inclusive of Tax)				7493000.00
QUOTE PERCENTAGE (%) ABOVE/BELOW (+/-) (OR) AT PAR TO TOTAL AMOUNT					XXXXX
QUOTED PERCENTAGE (%) IN WORDS ABOVE/BELOW (OR) AT PAR TO TOTAL AMOUNT					XXXXX
NOTE:					
1. CONTRACTOR SHOULD QUOTE PERCENTAGE (%) ABOVE/BELOW (OR) AT PAR TO TOTAL AMOUNT					
2. QUOTED PERCENTAGE (%) IS APPLICABLE ON ALL ITEM RATES UNIFORMLY.					

Guidelines for Reverse Auction – 2021

Doc. No. AA:SSP:RA:05
Dated: 08.03.2021

1.0 Scope

This document describes the guidelines to be followed by BHEL for conducting Reverse Auction (RA) for procurement of material/ works/ services. The RA shall follow the philosophy of English Reverse (No ties).

English Reverse (No ties) is a type of auction where the starting price and bid decrement are announced before start of online reverse auction. The interested bidders can thereupon start bidding in an iterative process wherein the lowest bidder at any given moment can be displaced by an even lower bid of a competing bidder, within a given time frame. The bidding is with reference to the current lowest bid in the reverse auction. All bidders will see the current lowest quoted price and their rank. The term 'No ties' is used since more than one bidder cannot give an identical price, at a given instant, during the reverse auction. In other words, there shall never be a tie in the bids.

3.0 Upfront declaration in NIT

Decision to go for RA would be taken before floating of the tender. In case it is decided to go for RA, same shall be declared upfront in NIT by inserting the following **clause**:

"BHEL shall be resorting to Reverse Auction (RA) (Guidelines as available on www.bhel.com) for this tender. RA shall be conducted among the techno-commercially qualified bidders.

Price bids of all techno-commercially qualified bidders shall be opened and same shall be considered for RA. In case any bidder(s) do(es) not participate in online Reverse Auction, their sealed envelope price bid along with applicable loading, if any, shall be considered for ranking."

6.0 Business rules for RA

Model Annexure-I is attached.

7.0 Role of Service Provider

- Acknowledge the receipt of mandate from BHEL.
- Contact the bidders, provide business rules and train them, as required.
- Get the process compliance form signed by all the participating bidders before RA event.

Guidelines for Reverse Auction – 2021

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- Conduct the event as per the contract and business rules.
- Submit the Login Reports, Results, History sheet and authorized final bid from the bidders.
- To obtain price breakup from successful bidder and submit the same to BHEL.

10.0 Reverse Auction Process

10.1 Reverse Auction will be conducted if two or more bidders are techno-commercially qualified. In case of two or three qualified bidders, there shall be no elimination of H1 bidder (whose quote is highest in sealed envelope price bid). In case of four qualified bidders, the H1 bidder shall be eliminated whereas in case of five qualified bidders, H1 & H2 bidders shall be eliminated. However, in case of six or more qualified bidders are available, RA would be conducted amongst first 50% of the bidders arranged in the order of prices from lowest to highest. Number of bidders eligible for participating in RA would be rounded off to next higher integer value if number of qualified bidders is odd (e.g. if 7 bids are qualified, then RA will be conducted amongst lowest four bidders). However, there will be no elimination of qualified bidders who are MSE or qualifying under PPP-MII, Order 2017, irrespective of the number of bidders qualifying techno-commercially.

In case of multiple H1 bidders, all H1 bidders (excluding MSEs and bidders qualifying under PPP-MII, Order 2017) shall be removed provided minimum two bidders remain in fray, else no H1 removal.

- 10.2 During RA, all bidders will see their rank and current L1 price on the screen. Once the RA is done, the ranking status would be based on the last quoted price of the bidder(s) irrespective of the quote received in RA or sealed envelope price bid.
- 10.3 No bidder shall be allowed to lower its bid below the current L1 by more than 5 decrements at one go.

11.0 Processing of case after RA

- 11.2 In case of splitting requirement, bidders who were removed from participation in RA may also be considered for counter offer if the pre-stated (NIT) numbers of suppliers do not accept the counter offer.

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13.0 Others

- 13.2 In case of enquiry through e-Procurement, the sealed electronic price bid (e-bid) is to be treated as sealed envelope price bid.
- 13.3 BHEL will inform bidders the details of service provider who will provide business rules, all necessary training and assistance before commencement of online bidding.
- 13.4 Bidders will be advised to read the 'Business Rules' indicating details of RA event carefully, before reverse auction event.

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ABRIDGED VERSION

Guidelines for Reverse Auction – 2021

Doc. No. AA:SSP:RA:05
Dated: 08.03.2021

Business Rules for Reverse Auction

Annexure – I

This has reference to tender no **{tender number....date...}**. BHEL shall finalise the Rates for the supply of **{item name}** through Reverse Auction mode. BHEL has made arrangement with M/s. **{Service provider}**, who shall be BHEL's authorized service provider for the same. Bidders should go through the instructions given below and submit acceptance of the same.

The technical & commercial terms are as per (a) BHEL Tender Enq. No. {...} dated {...}, (b) Bidders' technical & commercial bid (in case of two part bid) and (c) subsequent correspondences between BHEL and the bidders, if any.

1. Procedure of Reverse Auctioning

- i. Price bids of all techno-commercially qualified bidders shall be opened.
- ii. **Reverse Auction:** The 'bid decrement' will be decided by BHEL.
- iv. Bidders by offering a minimum bid decrement or the multiples thereof can displace a standing lowest bid and become "L1" and this continues as an iterative process. However, no bidder shall be allowed to lower its bid below the current L1 by more than 5 decrements at one go.
- v. After the completion of the reverse auction, the Closing Price shall be available for further processing.
- vi. Wherever the evaluation is done on total cost basis, after Reverse Auction, prices of individual line items shall be reduced on pro-rata basis.

2. **Schedule for reverse auction:** The Reverse Auction is tentatively scheduled on {date}: ;{start time}: ;{Close Time: }.

3. **Auction extension time:** If a bidder places a bid in the last {...} minutes of closing of the Reverse Auction and if that bid gets accepted, then the auction's duration shall get extended automatically for another {...} minutes, for the entire auction (i.e. for all the items in the auction), from the time that bid comes in. Please note that the auto-extension will take place only if a bid comes in those last {...} minutes and if that bid gets accepted as the lowest bid. If the bid does not get accepted as the lowest bid, the auto-extension will not take place even if that bid might have come in the last {...}

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Business Rules for Reverse Auction

Annexure – I

minutes. In case, there is no bid in the last {...} minutes of closing of Reverse Auction, the auction shall get closed automatically without any extension. However, bidders are advised not to wait till the last minute or last few seconds to enter their bid during the auto-extension period to avoid complications related with internet connectivity, network problems, system crash down, power failure, etc.

The above process will continue till completion of Reverse Auction.

Complaints/ Grievances, if any, regarding denial of service or any related issue should be given in writing thru e-mail/ fax to M/s. {Service provider} with a copy to BHEL within 15 minutes prior to initial closing time of Reverse Auction.

4. **Bid price:** The Bidder has to quote the {...} Price inclusive of Packing & Forwarding charges, all the routine & type tests as per tender scope, taxes, duties, freight and insurance as specified in tender document. including loading (if indicated by BHEL due to deviations in technical/ commercial terms) for the Items specified. Details are as shown in Excel Sheet for calculation of total cost to BHEL (To be specified by Unit as per NIT conditions).
5. **Bidding currency and unit of measurement:** Bidding will be conducted in *Indian Rupees per Unit* of the material as per the specifications {...}

In case of foreign currency bids, exchange rate (TT selling rate of State Bank of India) as on scheduled date of tender opening (Part-I bid) shall be considered for conversion in Indian Rupees. If the relevant day happens to be a Bank holiday, then the forex rate as on the previous bank (SBI) working day shall be taken.
6. **Validity of bids:** Price shall be valid for {... days} from the date of reverse auction. These shall not be subjected to any change whatsoever.
7. **Lowest bid of a bidder:** In case the bidder submits more than one bid, the lowest bid at the end of Reverse Auction will be considered as the bidder's final offer to execute the work.
8. Unique user IDs shall be used by bidders during bidding process. All bids

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Business Rules for Reverse Auction

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made from the Login ID given to the bidders will be deemed to have been made by the bidders/ bidders' company.

9. **Post auction procedure:** BHEL will proceed with the Lowest Bid in the Reverse Auction for further processing.
11. Reverse auction shall be conducted by BHEL (through M/s {Service Provider}), on pre-specified date, while the bidders shall be quoting from their own offices/ place of their choice. Internet connectivity shall have to be ensured by bidders themselves.

During the RA process if a bidder is not able to bid and requests for extension of time by FAX/ email/ phone then time extension of additional 15 minutes will be given by the service provider provided such requests come before 5 minutes of auction closing time. However, only one such request per bidder can be entertained.

In order to ward-off contingent situation of connectivity failure bidders are requested to make all the necessary arrangements/ alternatives whatever required so that they are able to circumvent such situation and still be able to participate in the reverse auction successfully. Failure of power or loss of connectivity at the premises of bidders during the Reverse auction cannot be the cause for not participating in the reverse auction. On account of this, the time for the auction cannot be extended and neither BHEL nor M/s. {Service provider} is responsible for such eventualities.

12. Proxy bids: Proxy bidding feature is a pro-bidder feature to safe guard the bidder's interest of any internet failure or to avoid last minute rush. The proxy feature allows bidders to place an automated bid in the system directly in an auction and bid without having to enter a new amount each time a competing bidder submits a new offer. The bid amount that a bidder enters is the minimum that the bidder is willing to offer. Here the software bids on behalf of the bidder. This obviates the need for the bidder participating in the bidding process until the proxy bid amount is decrementally reached by other bidders. When proxy bid amount is reached, the bidder (who has submitted the proxy bid) has an option to start participating in the bidding process.

The proxy amount is the minimum amount that the bidder is willing to offer.

Guidelines for Reverse Auction – 2021

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Business Rules for Reverse Auction

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During the course of bidding, the bidder cannot delete or change the amount of a proxy bid.

Bids are submitted in decrements (decreasing bid amounts). The application automates proxy bidding by processing proxy bids automatically, according to the decrement that the auction originator originally established when creating the auction, submitting offers to the next bid decrement each time a competing bidder bids, regardless of the fact whether the competing bids are submitted as proxy or standard bids. However, it may please be noted that if a manual bid and proxy bid are submitted at the same instant manual bid will be recognized as the L1 at that instant.

In case of more than one proxy bid, the system shall bid till it crosses the threshold value of 'each lowest proxy bid' and thereafter allow the competition to decide the final L1 price.

Proxy bids are fed into the system directly by the respective bidders. As such this information is privy only to the respective bidder(s).

13. Bidders are advised to get fully trained and clear all their doubts such as refreshing of Screen, quantity being auctioned, tender value being auctioned etc from M/s {Service provider}.
14. M/s. {Service provider}, shall arrange to demonstrate/ train the bidder or bidder's nominated person(s), without any cost to bidders. M/s. {Service provider}, shall also explain the bidders, all the business rules related to the Reverse Auction. Bidders are required to submit their acceptance to the terms/ conditions/ modalities before participating in the Reverse Auction in the process compliance form as enclosed. Without this, the bidder will not be eligible to participate in the event.
15. Successful bidder shall be required to submit the final prices (L1) in prescribed format (Annexure – VI) for price breakup, quoted during the Reverse Auction, duly signed and stamped as token of acceptance without any new condition (other than those already agreed to before start of auction), after the completion of auction to M/s. {Service provider} besides BHEL within two working days of Auction without fail.
16. Any variation between the final bid value and that in the confirmatory

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Business Rules for Reverse Auction

Annexure – I

signed price breakup document will be considered as tampering the tender process and will invite action by BHEL as per extant guidelines for suspension of business dealings (as available on www.bhel.com).

17. Bidders' bid will be taken as an offer to execute the work/ supplies the item as per enquiry no. {...} dt. {...}. Bids once made by the bidder, cannot be cancelled/ withdrawn and bidder shall be bound to execute the work as mentioned above at bidder's final bid price. Should bidder back out and not execute the contract as per the rates quoted, BHEL shall take action as per extant guidelines for suspension of business dealings (as available on www.bhel.com).
18. Bidders shall be able to view the following on their screen along with the necessary fields during Reverse Auction:
 - a. Leading (Running Lowest) Bid in the Auction (only total price of package)
 - b. Bid Placed by the bidder
 - c. Start Price
 - d. Decrement value
 - e. Rank of their own bid during bidding as well as at the close of auction.
19. BHEL's decision on award of contract shall be final and binding on all the Bidders.
20. BHEL reserves the right to extend, reschedule or cancel the Reverse Auction process at any time, before ordering, without assigning any reason, with intimation to bidders.
21. BHEL shall not have any liability to bidders for any interruption or delay in access to the site irrespective of the cause. In such cases, the decision of BHEL shall be binding on the bidders.
22. Other terms and conditions shall be as per bidder's techno-commercial offers and other correspondences, if any, till date.
23. If there is any clash between this business document and the FAQ available, if any, in the website of M/s. {Service provider}, the terms & conditions given in this business document will supersede the information contained in the FAQs. Any changes made by BHEL/ service provider (due to unforeseen

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contingencies) after the first posting shall be deemed to have been accepted if the bidder continues to access the portal after that time.

24. Bidder shall not divulge either his Bids or any other exclusive details of BHEL to any other party. If the Bidder or any of his representatives are found to be involved in Price manipulation/ cartel formation of any kind, directly or indirectly by communicating with other bidders, action as per extant BHEL guidelines for suspension of business dealings (as available on www.bhel.com), shall be initiated by BHEL.

ABRIDGED VERSION



TENDER DOCUMENT for “Civil Consultancy Services and other associated works for 8MW_{ac} Solar PV farm at Tamarind falls, Henrietta (Phase II), Mauritius”

SBD/ SCPV/ MAURITIUS/ 8 MW/ CS/02, Dt.: 08-07-2021

PRICE BID

“CIVIL CONSULTANCY SERVICES AND OTHER ASSOCIATED WORKS FOR 8MW_{AC} SOLAR PV FARM AT TAMARIND FALLS, HENRIETTA (PHASE-II), MAURITIUS”

NAME OF BIDDER:
(AFFIX SEAL & SIGNATURE ON ALL PAGES OF PRICE BID)

Mowleeswaran Natesan,
Dy. Manager-Civil, BHEL-EDN

CONTRACTOR (SIGN & SEAL)

PRICE BID					
"CIVIL CONSULTANCY SERVICES AND OTHER ASSOCIATED WORKS FOR 8MWac SOLAR PV FARM AT TAMARIND FALLS, HENRIETTA (PHASE II), MURITIUS".					
TENDER REF.: SBD/ SCPV/ MAURITIUS/ 8 MW/ CS/02, Dt.: 08-07-2021					
SL. NO.	DESCRIPTION OF THE WORK	UNIT	QTY	RATE	AMOUNT
1	Design & getting approval from OWNER/OWNER's CONSULTANT along with Mauritius Registered Engineers/architect certification of all structural, civil and architectural drawings, designs of RCC Buildings including electrical details - drafting, delivery of design documents for Control room (two storied building), Guard (security) room building, etc., as per specifications detailed by BHEL. Details of necessary (STAAD (or) any other softwares) calculations etc. to be submitted for getting OWNER/OWNER's CONSULTANT approval. (Design shall be as per British Standard/Mauritius Standard or standard as directed by BHEL/Owner/Owner's Consultant). (For measurement, outer wall to outer wall dimensions in meters shall be considered) (Payment shall be made on per sq. Meter basis irrespective of no. of design documents and drawings made for unique building as per instruction of BHEL)	Sq.M	605	1404.96	850000
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5	Visit to 8 MWp Solar PV farm site at MAURITIUS for technical guidance (to resolve design related issues at site as per requirement). (including stay 1 or 2days as per the site requirement etc.,) (Cost shall include all expenditures, vis., travel cost, boarding, loading, local conveyance, visa charges, etc.)	Per Visit	10	50000	500000
6	Deployment of one Mauritius Professional Registered Civil Engineer (with an experience of at least 10 years) for Monitoring/supervising, certification/approval of works at site, bills, etc.	Per Month	10	100000	1000000
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QUOTE PERCENTAGE (%) ABOVE/BELOW (+/-) (OR) AT PAR TO TOTAL AMOUNT					
QUOTED PERCENTAGE (%) IN WORDS ABOVE/BELOW (OR) AT PAR TO TOTAL AMOUNT					
NOTE:					
1. CONTRACTOR SHOULD QUOTE PERCENTAGE (%) ABOVE/BELOW (OR) AT PAR TO TOTAL AMOUNT					
2. QUOTED PERCENTAGE (%) IS APPLICABLE ON ALL ITEM RATES UNIFORMLY.					