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Dharamshala Smart City Limited,
Old Himuda Building, Chilgari,
Dharamshala, Himachal Pradesh, 176215
Phone: 01892 – 226677

NOTICE INVITING TENDER (NIT)

REF No. : DSCL/Mountaineering & Paragliding -67/2018-56

Date: 26/05/2020

DHARAMSHALA SMART CITY LIMITED (hereafter referred to as "AUTHORITY")
invites online bids from the eligible bidders through www.hptenders.gov.in for
"Construction of Hostel at Regional Mountaineering Centre at
Dharamshala"

BID INFORMATION

Sr. No.	Particulars	Information
1	RFP No	DSCL/03/2020
2	Scope of work	Construction of Hostel Building for Regional Mountaineering Centre at Dharamshala.
3	Location of Work	Dharamkot, Dharamshala
4	Estimated Cost of the work	Rs.3,84,40,329.00
5	Time of completion of the work	18 months from the date of signing the contract or 15 th day of issuance of Letter of Award whichever is earlier.
6	Defect Liability Period (DLP)	12 months from the date of issuance of Completion Certificate
7	Type of Contract	Item Rate Contract
8	Date of issue of Tender documents online	26 th May 2020
9	Last date for sending pre-bid queries	6 th June 2020 at 15:00 hrs. at dscltender@gmail.com
10	Date, Time & Place of Pre-bid Meeting	No pre-bid meeting shall be conducted. However webinar may be arranged on request of interested parties on 9 th June 2020



BID INFORMATION		
Sr. No.	Particulars	Information
11	Last date for Online Purchase of Tender Document.	18 th June 2020 till 14:00 hrs.
12	Last date of Online Submission of Bids	18 th June 2020 till 17:00 hrs.
13.	Last date of EMD + Hard Copy (Pre-Qualification and Technical Proposal) Submission of Bids.	19 th June 2020 till 12:30 hrs.
14.	Date & Time for Opening of Pre- Qualification and Technical Bid	19 th June 2020 at 15:00 hrs.
15	Date & Time for Opening of Financial Bid	To be intimated later
16	Tender document Fee	Rs.10,000/- (Rupees Ten Thousand only) to be paid only through Demand Draft (DD) in favor of "Dharamshala Smart City Limited"
17	Earnest Money Deposit (EMD)	Rs.8,00,000/- (Rupees Eight Lakhs Only)
18	Security Deposit (Performance Bank Guarantee (PBG)	10% of the Contract Amount (by the successful bidder to be furnished within 15days of issue of Letter of Acceptance)
19	Project Award Criteria	Through L1 (Lowest Financial Bid) Process

For further details and general enquiries, prospective bidders may contact MD cum CEO, Dharamshala Smart City Limited, Old HIMUDA building, Chilgari, Distt Kangra, PIN 176215, Himachal Pradesh, Ph. No.: 01892-226677, during working hours before the last date and time of submission of tender document. Any modification / corrigendum / Addendum made in Tender documents will be hoisted on website. Bidders are advised to visit the website regularly till the date of submission of bid.


MD CUM CEO
DHARAMSHALA SMART CITY LIMITED

Cc : Chief Finance Officer, DSCL
Teamleader, PMC, DSCL



Disclaimer

The information contained in this Request for Proposal (RFP) document or subsequently provided to Bidders, whether verbally or in documentary or any other form by or on behalf of Dharamshala Smart City Limited or any of its employees or advisers, is provided to Bidders on the terms and conditions set out in this RFP document and such other terms and conditions subject to which such information is provided.

This RFP document is not an agreement or an offer to the prospective Bidders or any other person. The purpose of this RFP document is to provide interested parties with information that may be useful to them in the formulation of their proposals pursuant to this RFP document. This RFP document includes statements, which reflect various assumptions and assessments arrived in relation to the proposed assignment. Such assumptions, assessments and statements do not purpose to contain all the information that each Bidder may require. This RFP document may not be appropriate for all persons, and it is not possible for Department, its employees or advisers to consider the objectives, technical expertise and particular needs of each party who reads or uses this RFP document. The assumptions, assessments, statements and information contained in this RFP document, may not be complete, accurate, adequate or correct. Each Bidder should, therefore, conduct its own investigations and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments and information contained in this RFP document and obtain independent advice from appropriate sources.

Information provided in this RFP document to the Bidders may be on a wide range of matters, some of which may depend upon interpretation of law. The information given is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. Dharamshala Smart City Limited accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on the law expressed herein.

Dharamshala Smart City Limited, its employees and advisers make no representation or warranty and shall have no liability to any person including any Bidder under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this RFP document or otherwise, including the accuracy, adequacy, correctness, reliability or completeness of the RFP document and any



assessment, assumption, statement or information contained therein or deemed to form part of this RFP document or arising in any way in this Selection Process. Dharamshala Smart City Limited also accepts no liability of any nature whether resulting from negligence or otherwise however caused arising from reliance of any Bidder upon the statements contained in this RFP document.

Dharamshala Smart City Limited may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumption contained in this RFP document.

The issue of this RFP document does not imply that DSCL is bound to select a Bidder or to appoint the Selected Bidder, as the case may be, for the proposed Assignment and Dharamshala Smart City Limited reserves the right to reject all or any of the Proposals without assigning any reasons whatsoever.

The Bidder shall bear all its costs associated with or relating to the preparation and submission of its proposal including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by Dharamshala Smart City Limited or any other costs incurred in connection with or relating to its Proposal. All such costs and expenses will remain with the Bidder and Dharamshala Smart City Limited shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by Bidder in preparation for submission of the Proposal, regardless of the conduct or outcome of the Selection Process.



List of Abbreviations and Definitions

List of Abbreviations

ABD	Area Based Development
AMC	Annual Maintenance Contract
BEC	Bid Evaluation Committee
BOQ	Bill of Quantities
BSNL	Bharat Sanchar Nigam Limited
CBSE	Central Board of Secondary Education
CEO	Chief Executive Officer
CH	Chainage
D.C	Deputy Commissioner
DMC	Dharamshala Municipal Corporation
DSCL	Dharamshala Smart City Limited
DPR	Detail project Report
EIC	Engineer in Charge
FR	Feasibility report
HP	Himachal Pradesh
HPSEB	Himachal Pradesh State Electricity Board
INR	Indian Rupees
IPH	Irrigation and public health
MD	Managing Director
MC	Municipal Corporation
MS	Mild Steel
NIT	Notice Inviting Tender
PCP	Pan-City Proposals
PIS	Public Information System
PMC	Project Management Consultants
PWD	Public Work Department
RFP	Request for proposal
RMC	Regional Mountaineering Centre
SCP	Smart City Proposal
SS	Stainless Steel
SPV	Special Purpose Vehicle



Definitions:

In this "Bid / RFP Document" the following words and expression will have the meaning as herein defined where the context so admits

1. **"Affiliate"** shall mean a company that either directly or indirectly
 - a. controls or
 - b. is controlled by or
 - c. is under common control with
 - d. A Bidding Company and "control" means ownership by one company of at least twenty six percent (26%) of the voting rights of the other company.
 2. **"ABD"** Shall mean Area Based Development in the Dharamshala Smart city proposals.
 3. **"Authority"** shall refer to DSCL
 4. **"B.I.S"** shall mean specifications of Bureau of Indian Standards (BIS);
 5. **"Bid / Tender"** shall mean the Techno Commercial and Price Bid submitted by the Bidder along with all documents / credentials / attachments / annexure etc., in response to this RFP, in accordance with the terms and conditions hereof.
 6. **"Bidder / Bidding Company"** shall mean Bidding Company submitting the Bid. Any reference to the Bidder includes Bidding Company / including its successors, executors and permitted assigns as the context may require;
 7. **"Bid Deadline"** shall mean the last date and time for submission of Bid in response to this RFP as specified in Bid information Sheet;
 8. **"Bid Capacity"** shall means capacity offered by the bidder in his Bid under invitation.
 9. **"BOQ"** Bill of Quantity
 10. **"Chartered Accountant"** shall mean a person practicing in India or a firm whereof all the partners practicing in India as a Chartered Accountant(s) within the meaning of the Chartered Accountants Act, 1949;
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11. **"Competent Authority"** shall mean Managing Director cum CEO of DHARAMSHALA SMART CITY LIMITED himself and / or a person or group of persons nominated by Managing Director / CEO for the mentioned purpose herein;
12. **"Commencement Date"** shall be the 15th day of issue of the Letter of Award or the date of signing the contract whichever is earlier.
13. **"Commissioning"** means Successful operation of the Project / Works by the successful Bidder, for the purpose of carrying out Performance Test(s) as defined in RFP.
14. **"Company"** shall mean a body incorporated in India under the Companies Act, 1956 or Companies Act, 2013 including any amendment thereto;
15. **"Completion Date"** shall mean the end date for completion of works which will be the date of issuance of the completion certificate
16. **"Contract"** Agreement made between DSCL and the selected bidder on issue of Letter of Award.
17. **"Contract date"** Date of signing the contract
18. **"Contract Amount"** The total price quoted by the selected bidder
19. **"DSCL"** Dharamshala Smart City Limited
20. **"DLP"** Defect Liability Period
21. **"Engineer" / "Engineer-in-Charge"** means the Engineer appointed by DSCL for the supervision and management of the Project
22. **"HPSEB"** means Himachal Pradesh State Electricity Board
23. **"PMC"** means Project Management Consultants
24. **"Price Bid"** shall mean the Bidder's quoted Price as per the Section - IV of this RFP;
25. **"RFP"** shall mean Request for Proposal (RFP) / Bid Document / Tender Document



Interpretations

1. Words comprising the singular shall include the plural & vice versa.
2. An applicable law shall be construed as reference to such applicable law including its amendments or re-enactments from time to time.
3. A time of day shall save as otherwise provided in any agreement or document be construed as a reference to Indian Standard Time.
4. Different parts of this contract are to be taken as mutually explanatory and supplementary to each other and if there is any differentiation between or among the parts of this contract, they shall be interpreted in a harmonious manner so as to give effect to each part.
5. The table of contents and any headings or sub headings in the contract has been inserted for case of reference only & shall not affect the interpretation of this agreement.



1. Instruction to Bidders

1.1 General Information and Guidelines

1.1.1 Purpose

DHARAMSHALA SMART CITY LIMITED seeks the services of a reputed company, for **“Construction of Hostel for Regional Mountaineering Centre at Dharamshala”** (hereinafter referred to as the “Project”). This document provides information to enable the bidders to understand the broad requirements to submit their Proposals. The detailed scope of work is provided in Section 2.0 of this RFP document.

1.1.2 Consortium

- i. The Bidder for participation in the Selection Process, may be a single entity or a group of entities (the “Consortium”), coming together to execute the project. The term 'Bidder' used herein would apply to both a single Entity and a Consortium.
- ii. The Successful Bidder at no given point of time, may assign or delegate its rights, duties or obligations under the Agreement/ Contract except with prior written consent of the Authority
- iii. No bidder applying individually, or as a member of a Consortium, as the case may be, can be a member of any other consortium bidding for the Project.
- iv. In the event the bidder is a Consortium, it shall, comply with the following additional requirements:
 - a) Number of members in a consortium shall not exceed 2 (Two) including the Lead Member
 - b) The Members of the Consortium shall nominate one member as the Lead Member



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- c) The Members of the Consortium shall be jointly and severally responsible for successful implementation of the Project throughout the terms of the contract.
- d) The Lead Member shall be authorized and shall be fully responsible for the accuracy and veracity of the representations and information submitted by the Consortium or its members respectively from time to time in the response to this RFP.
- e) The Members of the Consortium shall submit a Consortium Agreement set out in Annexure 1.4 *inter alia* consisting of the following:
- Undertake that each of the members of the Consortium shall have an independent, definite and separate scope of work, allocated as per each member's field of expertise.
 - Commit to the profit and loss sharing ratio of each member.
 - Commit to the scope of work, rights, obligations and liabilities to be held by each member.
 - Provide a brief description of the roles and responsibilities of individual members; and clearly define the proposed administrative arrangements (organization chart) for the management and execution of the Project.
 - Include a statement to the effect that all the members of the Consortium shall be jointly and separately liable for all obligations in relation to the Contract until the completion of the Project in accordance with the Contract
- f) In case the Successful Bidder is a Consortium, then no change in the Lead member is permissible. Change of the other member in the Consortium can be done only under extreme circumstances such as non-performance of that member, insolvency or bankruptcy of that member, which shall be done only with the prior written approval of the AUTHORITY. Provided that in the event of any such approved change of
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Consortium member, the member (company) replacing outgoing Consortium member shall have same or higher financial, technical and legal qualifications as the outgoing member, and to the satisfaction of DHARAMSHALA SMART CITY LIMITED. In the event AUTHORITY does not grant approval for the change of the Consortium member (other than the Lead Member) or suitably qualified replacement member (companies) are not available/ found, the exit of such Consortium member shall constitute a breach of the Contract.

- g) All members of the consortium are required to follow the highest level of work ethics, if any member of the consortium has a Conflict of Interest or indulges in Prohibited Practices; the whole Consortium is liable to be disqualified. Further, in the event any entity has been barred by the Central Government, any State Government, a statutory authority or a public sector undertaking, as the case may be, from participating in any project or bid, and the bar subsists as on the date of Last Date of Submission, it would not be eligible to submit a Proposal either by itself or as part of a Consortium.

1.1.3 Sub-Contracting

Sub-Contracting is not allowed for this RFP

1.1.4 Completeness of Bid

The bid should be complete in all respects. Failure to furnish all information required by the RFP document or submission of a proposal not substantially responsive to the RFP document in every respect will be at the bidder's risk and may result in rejection of its Bid and forfeiture of the EMD.

1.1.5 Proposal Preparation Costs



- 1 The bidder shall submit the bid at its cost and expense. AUTHORITY shall not be held responsible for any cost incurred by the bidder. Submission of a bid does not entitle the bidder to claim any cost and rights over AUTHORITY and AUTHORITY shall be at liberty to cancel any or all bids without giving any notice.
- 2 All materials submitted by the bidder shall be the absolute property of AUTHORITY and no copyright etc. shall be entertained by AUTHORITY.

1.1.6 Pre-bid Meeting and Queries

1. AUTHORITY will host a Pre-Bid meeting as per the date mentioned in the RFP Bid Information Sheet. The authorized representatives, limited to 2, of the interested bidders may attend the pre-bid meeting at their own cost. The purpose of the meeting is to provide bidders with information regarding the RFP and the proposed solution requirements in reference to the RFP. Pre-Bid meeting will also provide each bidder with an opportunity to seek clarifications regarding any aspect of the RFP and the Project.
2. All bidders shall e-mail their queries to dscltender@gmail.com in the form and manner as prescribed in Annexure 5. The response to the queries will be published on www.hptenders.gov.in. No queries will be entertained thereafter. The response of AUTHORITY shall become integral part of RFP document. AUTHORITY shall not make any warranty as to the accuracy and completeness of responses.
3. AUTHORITY shall endeavor to respond to the questions raised or clarifications sought by the Bidders. However, AUTHORITY reserves the right not to respond to any question or provide any clarification, in its sole discretion, and nothing in this clause shall be taken or read as compelling or requiring AUTHORITY to respond to any question or to provide any clarification.
4. AUTHORITY may also on its own motion, if deemed necessary, issue interpretations and clarifications to all Bidders. All clarifications and



interpretations issued by AUTHORITY shall be deemed to be part of the Bidding Documents. Verbal clarifications and information given by AUTHORITY or its employees or representatives shall not in any way or manner be binding on AUTHORITY.

1.1.7 Amendment of RFP Document

- 1 All the amendments made in the document would be published on the e-Tendering Portal only and shall be part of RFP.
- 2 The Bidders are advised to visit the e-tendering portal on regular basis to check for necessary updates. AUTHORITY also reserves the right to amend the dates mentioned in this RFP.

1.1.8 Supplementary Information to the RFP

If AUTHORITY deems it appropriate to revise any part of this RFP or to issue additional data to clarify an interpretation of provisions of this RFP, it may issue corrigendum(s) to this RFP. Any such corrigendum shall be deemed to be incorporated by this reference into this RFP.

1.1.9 DHARAMSHALA SMART CITY LIMITED's Right to Terminate the Process

AUTHORITY may terminate the RFP process at any time and without assigning any reason. AUTHORITY reserves the right to amend/ edit/ add/ delete any clause of this RFP Document. This will be informed to all and will become part of the RFP and information for the same would be published on the e-Tendering portal.

1.1.10 Site Visit and Verification of Information

- a) The Bidder are encouraged to visit and examine the site or sites and obtain for itself, at its own responsibility and risk, all information that may be necessary for submission of the bid and entering into the Contract. The costs of visiting the site or sites shall be at the Bidder's own expense.



- b) The location of the project is in the premises of the Regional Mountaineering Centre at Dharamkot, Dharamshala.
- c) Typical drawings are provided in the drawings section of this RFP which may be modified according to the site conditions if required. Working drawings shall be produced in line with the typical drawings incorporating the site requirements prior to commencement of work by the contractor.
- d) Estimated quantities are provided in the Bill of quantities. Measured quantities as per execution on site shall be included in the payment certificate.

1.2 Key Requirements of the Bid

1.2.1 RFP Document/Tender Fee

RFP can be downloaded from the website www.hptenders.gov.in. RFP Document Fee as per the Bid Information Sheet shall be paid through online-Tendering Payment Gateway/ Bank Demand Draft only. The RFP document fee shall be non-refundable. Without the payment of tender fee the bids will be taken as incomplete and non-responsive and shall not be considered.

1.2.2 Earnest Money Deposit (EMD)

- 1 In terms of this RFP, a Bidder is required to submit EMD as per the Bid Information Sheet in the form of Demand Draft/ Fixed Deposit Receipt(s)/ Bank Guarantee issued by any nationalized/ scheduled commercial bank in favor of "MD cum CEO, DHARAMSHALA SMART CITY LIMITED", Dharamshala.
- 2 The EMD of unsuccessful bidders will be returned within 90 (ninety) days from the date of opening of the financial proposal. The Bid Security, for the amount mentioned above, of the Successful Bidder would be returned upon submission of Performance Bank Guarantee for an amount equal to



10% of Total Contract Value in the format provided in Annexure 8 of the RFP.

- 3 No interest will be paid by AUTHORITY on the EMD amount and EMD will be refunded to all the bidders (including the Successful Bidders) without any accrued interest on it.
- 4 The bid submitted without EMD, mentioned above, will be summarily rejected.
- 5 The EMD may be forfeited:
 - a. If a bidder withdraws its bid or increases its quoted prices during the period of bid validity or its extended period, if any.
 - b. In case of a Successful Bidder, if the bidder fails to sign the contract in accordance with the terms and conditions or furnish the required Performance Security.
 - c. If during the bid process, a bidder indulges in any such deliberate act as would jeopardize or unnecessarily delay the process of bid evaluation and finalization.
 - d. If, during the bid process, any information is found false/ fraudulent/ *mala fide*, and then AUTHORITY shall reject the bid and, if necessary, initiate action.
 - e. If the Bidder does not accept the correction of the Bid Price, pursuant to Sub Clause 1.4.7.2
- 6 The decision of AUTHORITY regarding forfeiture of the EMD shall be final and binding upon bidders.



1.3 Instruction to Bidders

1.3.1 Bid Submission Format

The entire Bid shall be submitted strictly as per the format specified in this RFP. Bids with any deviation from the prescribed format are liable for rejection.

1.3.2 Bid Submission Instructions

1. The complete bidding process will be online (e-Tendering). Hard copy in three cover system submission of bids shall be in accordance with the instructions given in the Table below:

Particulars	Instructions
Cover 1	PRE-QUALIFICATION CUM TECHNICAL BID
Fee	Proof of submission of RFP Document.
Pre-Qualification	The Pre-Qualification Proposal shall be prepared in accordance with the requirement specified in this RFP and the formats are prescribed in Annexure 1 of the RFP. Pre-Qualification Proposal should be submitted through Online bid submission process and also in Hard Copy as mentioned in the Bid Information Sheet.
Technical Bid	The Technical Proposal shall be prepared in accordance with the requirements specified in this RFP and the formats as prescribed in Annexure 2 of the RFP. Technical Proposal should be submitted through online bid submission process and also in Hard Copy as mentioned in the Bid Information Sheet.
Cover 2 :	FINANCIAL BID
Financial Bid	The Financial Proposal shall be prepared in accordance with the requirements specified in this RFP and in the formats prescribed in Annexure 3 of the RFP. Financial bid uploaded on online portal shall be printed, duly signed and submitted in cover 2.
Cover 3 :	The sealed technical bid and financial bid covers duly superscribed shall be put in a bigger cover and sealed and superscribed appropriately



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2. The following points shall be in consideration for submission of bids:
 - a. AUTHORITY shall not accept delivery of Bids in any manner other than that specified in this RFP. Bid delivered in any other manner shall be treated as defective, invalid and rejected.
 - b. The Bidder is expected to price all the items and services sought in the RFP and proposed in the technical proposal. The Bid should be comprehensive and inclusive of all the services to be provided by the Bidder as per the scope of work and in accordance with the terms and conditions as set out in the Contract.
 - c. AUTHORITY may seek clarifications from the Bidder on the technical bid. Any of the clarifications by the Bidder on the technical proposal should not have any commercial implications. The Financial Bid submitted by the Bidder should be inclusive of all the items in the technical bid and should incorporate all the clarifications provided by the Bidder on the technical proposal during the evaluation of the technical offer
 - d. Technical Proposal shall not contain any financial information and shall be unconditional.
 - e. If any Bidder does not qualify the pre-qualification criteria stated in Section 1.4.5 of this RFP, the technical and financial proposals of the Bidder shall not be opened in the e-Tendering system. Similarly, if the Bidder does not meet the technical evaluation criteria, the financial bid of the Bidder shall not be opened in the e-Tendering system.
 - f. It is required that all the proposals submitted in response to this RFP should be unconditional in all respects, failing which AUTHORITY reserves the right to reject the proposal.

1.3.3 Late Bid and Bid Validity Period

Bids received after the due date and the specified time (including the extended period if any) for any reason whatsoever, shall not be entertained and shall not



be opened in the e-Tendering system. The validity of the bids submitted before deadline shall be till 180 days from the last date of submission of the bids.

1.3.4 Modification and Withdrawal of Bids

No bid shall be withdrawn in the interval between the deadline for submission of bids and the expiration of the validity period specified by the bidder on the bid form. Entire EMD shall be forfeited if any of the bidders withdraw their bid during the validity period.

1.3.5 Non-conforming Bids

A Bid may be construed as a non-conforming proposal and ineligible due to the following:

- a. If it does not comply with the requirements of this RFP
- b. If the Bid does not follow the format requested in this RFP or does not appear to address the particular requirements of AUTHORITY.

1.3.6 Language of Bids

The Bids should be submitted in English language only. If any supporting documents submitted are in any language other than English, then the translation of the same in English language is to be duly attested by the bidder and submitted with the bid, and English translation shall be validated at AUTHORITY's discretion.

1.3.7 Authentication of Bid

- a) Authorized person of the bidder who signs the bid shall obtain the authority letter from the bidder, which shall be submitted with the Bid. All pages of the bid and its annexure, etc. shall be signed and stamped by the person or persons signing the bid.
- b) The Bidder should submit a Power of Attorney as per the format set forth in Annexure 6, authorizing the signatory of the Bid to commit the Bidder.

1.3.8 Acknowledgement of Understanding of Terms



By submitting a Bid, each Bidder shall be deemed to acknowledge that he has carefully read all sections of this RFP, including all forms, schedules, annexures, corrigendum and addendums (if any) hereto, and has fully informed itself as to all existing conditions and limitations.

1.4 Evaluation Process

- a. AUTHORITY will constitute a Bid Evaluation Committee (BEC) to evaluate the responses of the bidders
- b. The BEC constituted by AUTHORITY shall evaluate the responses to the RFP (Cover 1 and Cover 2) and all supporting documents / documentary evidence. Inability to submit requisite supporting documents / documentary evidence, may lead to rejection.
- c. The decision of the BEC in the evaluation of responses to the RFP shall be final. No correspondence shall be entertained outside the process of negotiation/ discussion with the Committee.
- d. The BEC may ask for meetings with the Bidders to seek clarifications on their proposals and may visit Bidder's Site to validate the credentials/ citations claimed by the bidder.
- e. The BEC reserves the right to reject any or all proposals on the basis of any deviations.
- f. Each of the responses shall be evaluated as per the criteria and requirements specified in this RFP.
- g. Please note that BEC may seek inputs from their professional, external experts in the Bid evaluation process.

1.4.1 Bid Opening

- a. Total transparency shall be observed and ensured while opening the Bids. All Bids shall be opened in the presence of Bidder's representatives who choose to attend the Bid opening sessions on the specified date, time and address.



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- b. AUTHORITY reserves the rights at all times to postpone or cancel a scheduled Bid opening.
 - c. Bid opening shall be conducted in 2 (Two) Stages;
 - Stage 1 - RFP Document fee and Bid Security/EMD, Pre-Qualification Proposal and Technical Proposal
 - Stage 2- Financial Bid
 - d. The venue, date and time for opening the Pre-qualification Proposal are mentioned in the RFP Bid Information Sheet. The date and time for opening the Financial Proposals would be communicated to the qualified bidders.
 - e. The Financial Proposals of only those bidders will be opened who fulfill the criteria in Technical Evaluation.
 - f. The Bidder's representatives who are present shall sign a register evidencing their attendance. In the event of the specified date of Bid opening being declared a holiday for AUTHORITY, the bids shall be opened at the same time and location on the next working day. In addition to that, if the representative of the Bidder remains absent, AUTHORITY will continue process and open the bids of all the bidders
 - g. During Bid opening, preliminary scrutiny of the Bid documents shall be made to determine whether they are complete, whether required EMD has been furnished, whether the Documents have been properly signed, and whether the bids are generally in order. Bids not conforming to such preliminary requirements shall be prima facie rejected. AUTHORITY has the right to reject the bid after due diligence is done.

1.4.2 Evaluation of Pre-Qualification Proposals

- a) Authority shall open Cover 1 marked "Pre-Qualification cum Technical Document" on Bid opening date.



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- b) Response to the Pre-Qualification Requirements shall be evaluated in accordance with the requirements specified in this RFP and in the manner prescribed in Section 1.4.5 of the RFP. **Each of the Pre-Qualification condition mentioned in Section 1.4.5 of the RFP is MANDATORY.** In case the Bidder does not meet any one of the conditions, the bidder will be disqualified.
 - c) The Pre-Qualification proposal must contain all the documents in compliance with instructions given in the Annexure 1.

1.4.3 Evaluation of Technical Proposal

The evaluation of the Technical Proposals will be carried out in the following manner:

- a) Authority will review the technical bids of the short-listed bidders to determine whether the technical proposals are substantially responsive. Bids that are not substantially responsive are liable to be disqualified at AUTHORITY's discretion.
 - b) Bidders' proposal will be evaluated as per the requirements and guidelines specified in the Annexure 2 and technical evaluation criteria as mentioned in Section 1.4.6 of the RFP.
 - c) The Bidders are required to submit all required documentation in support of the evaluation criteria specified (e.g. Detailed Project citations and copy of work order, clients contact information for verification, and all other components) as required for technical evaluation.
 - d) At any time during the Bid evaluation process, BEC may seek oral/ written clarifications from the Bidders. The BEC may seek inputs from their professional and technical experts in the evaluation process.
 - e) Authority reserves the right to do a reference check of the past experience stated by the Bidder. Any feedback received during the reference check shall be taken into account during the technical evaluation process.
 - f) The Financial Proposals of Bidders who do not qualify technically shall be not be opened in the e-Tendering system.
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- g) AUTHORITY reserves the right to accept or reject any or all bids without giving any reasons thereof.
- h) AUTHORITY shall inform to the technically shortlisted Bidders about the date and venue of the opening of the financial proposals.

1.4.4 Financial Proposal Evaluation

- a) All the technically qualified bidders will be notified to participate in Financial Proposal opening process by Bid Evaluation Committee.
- b) Financial Proposals for the technically qualified bidders will then be opened on the notified date and time and reviewed to determine whether the financial proposals are substantially responsive. Bids that are not substantially responsive are liable to be disqualified at AUTHORITY's discretion.
- c) Financial Proposals that are not meeting the condition mentioned in Annexure 3 shall be liable for rejection.
- d) Total Cost of Bid (TCB) shall be calculated based on the Bill of Quantities given in Annexure 3.2 of the RFP.
- e) If there is a discrepancy between words and figures, the amount in words shall prevail. For any calculation/ summation error etc. the bid shall be corrected as per Cl.1.4.7 or may be rejected as per the decision of the Bid Evaluation Committee.

1.4.5 Pre-Qualification Criteria

The proposal failing to meet any of the below pre-qualification eligibility criteria shall be disqualified and will not be considered for technical evaluation process.

S No	Basic Requirement	Specific Requirements	Documents Required
1	Legal Entity	The Bidder should be Class A Contractor registered under unified registration system in CPWD with a	Copy of Certificate of Registration and copies of valid PAN, GSTIN, as



S No	Basic Requirement	Specific Requirements	Documents Required
		valid UIN or Equivalent Registration in any State Govt. Dept. Central Govt. Dept., other Govt. Dept / undertaking of state/Central Govt. P.S.U.	per statutory requirement.
2	Financial Eligibility	The Bidder should have average annual Turnover of Rs. 4 Crores during the last 3 audited financial years.	Certificate from The Statutory Auditor/Chartered accountant
3	Solvency Certificate	Solvency for an amount of 40% of the estimated amount of tender	Solvency Certificate from a Nationalised Bank not older than six months as on the date of submission of the bid.
4	Balance sheet	The bidder should not have incurred loss in more than two years during the last five consecutive years' balance sheet	Certified and audited by Chartered Accountant
5	Blacklisting	The Sole Bidder or any member of the consortium should not be black listed by Central Government/any State Government/ Public Sector undertaking entity in India or similar agencies globally for unsatisfactory, Past performance, corrupt, fraudulent or any other unethical business practices as on date of submission of the proposal.	Undertaking by the authorized signatory as per the format given as Annexure 4

1.4.6 Technical Evaluation Criteria

Technical proposals of only those firms, whose bids are found responsive, shall be opened for further evaluation. Technical proposals will be evaluated for their compliance of eligibility to various tender requirements.

1.4.6.1 Bidder should have successfully completed infrastructure works of similar nature with any Central/State Govt. Department / Public Sector Undertaking / City Development. i.e Construction of



multistoreyed building works involving steel truss and sheet roofing, etc., in the last Five years ending previous day of the last day of submission of tenders. This should be certified by an officer not below the rank of Executive Engineer / Project Manager.

1.4.6.2 The value of the **Completed works shall be minimum**

a. Three contracts of each not less than 40% of the estimated cost of tender

OR

b. Two contracts of each not less than 60% of the estimated cost of tender

OR

c. One Contract of not less than 80% of the estimated cost of tender

***Note:** The value of executed works shall be brought to current price level by enhancing the actual value of work at simple rate of 7% per annum calculated from the date of completion to the last date of receipt of applications for tender.

To qualify for a contract for which bids are invited in the NIT, the bidder must demonstrate having experience and resources sufficient to meet the aggregate of the qualifying criteria. Sub-contractors' experience and resources shall not be taken into account in determining the bidder's compliance with the qualifying criteria except to the extent stated above.

1.4.6.3 Bid Capacity

Bidders who meet the minimum qualification criteria will be qualified only if their available bid capacity is more than the total bid value. The available bid capacity will be calculated as under:

Assessed Available Bid Capacity = A x N x 2 - B,

Where

'N' = No. of years prescribed for completion of the subject contract.

'A' = Maximum value of works executed in any one year during last Five years (at current price level)*

'B' Value at current price level of existing commitments and ongoing works to be completed in the next 'N' years



*Note: The value of executed works shall be brought to current price level by enhancing the actual value of work at simple rate of 7% per annum calculated from the date of completion to the last date of receipt of applications for tender.

The details of projects shall be furnished under Appendix 2.3 & 2.4.

The Bid Capacity shall be assessed by the bidder and declaration submitted as per Annexure 2.5

1.4.6.4 Project Staff

The Bidder should have sufficient number of Technical and Administrative staff required for proper execution of the contract. The following project staff should be available throughout the construction period.

SI	Designation	Nos. required	Qualification	Experience in similar projects
1	Project Manager	1	Degree in Civil Engineering	10 years
2	Planning Engineer/ Quantity Surveyor	1	Degree/Diploma in Civil Engineering	2/5 years respectively
3	Site Engineer	1	Degree/Diploma in Civil Engineering	2/5 years respectively
4	MEP Engineer	1	Degree/Diploma in Elect/Mech Engineering	2/5 years respectively
5	Surveyor	1	Diploma /Certificate in Survey	1 year
6	Site Accountant	1	B.Com	5 years

The applicant should submit a list of these employees stating clearly the name and designation / capacity they would be involved in this project in Annexure 2.6.

1.4.6.5 Disqualification



The Financial offers of those bidders who do not qualify the technical evaluation shall not be opened and no claim in this regard shall be entertained.

Even though a bidder appears to meet the pre-qualifying criteria, he could be disqualified if he has:

- a. Made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements;
- b. Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures, etc.
- c. Submitted the RFP, which is not accompanied by the required documentation or is non-responsive.
- d. Failed to provide clarifications related thereto when asked by the technical committee.
- e. Where such firm has already submitted the bid.
- f. Is black listed / barred by GOI/State Gov't /State or Central PSU/ as on date. The company/firm shall on its letterhead submit an undertaking that it has not been blacklisted by GoI/State Gov't/State or Central PSU in last three years from the date of submission of bids for this RFP.

If any such information which would have entitled DSCL to reject or disqualify the bidder becomes known after the bidder has been qualified, DSCL reserves the right to cancel the qualification of the Bidder at any later stage.

1.4.7 Financial Evaluation Criteria

1.4.7.1 Bid to be substantially responsive

If a "Financial Bid" is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation

A substantially responsive "Financial Bid" is one which conforms to all the terms, conditions, and specifications of the Bidding documents, without material deviation or reservation. A material deviation or reservation is one



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- (a) which effects in any substantial way the scope, quality or performance of the Works;
- (b) which limits in any substantial way, inconsistent with the Bidding documents, the Employer's right or the Bidder's obligations under the Contract; or
- (c) whose rectification would affect unfairly the competitive position of the Bidders presenting substantially responsive Bids.

1.4.7.2 Correction of Errors

"Financial Bids" determined to be substantially responsive will be checked by the Employer for any arithmetic errors. Errors will be corrected by the Employer as follows:

- (a) where there is a discrepancy between the rates in figures and in words, the rate in words will govern; and
- (b) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern the contract price.

The amount stated in the "Financial Bid" will be corrected by the Employer in accordance with the above procedure and the bid amount adjusted with the concurrence of the Bidder in the following manner.

- (c) If the Bid price increase as a result of these corrections, the amount as stated in the bid will be the "bid price" and the increase will be treated as rebate;
- (d) If the bid price decreases as a result of the corrections, the decreased amount will be treated as "bid price". Such adjusted bid price shall be considered as binding upon the Bidder.

If the Bidder does not accept the corrected amount the Bid will be rejected, and the Bid security may be forfeited in accordance with Sub-Clause 1.2.2.5 (e).



1.5 Award of Contract

1.5.1 Award Criteria

1. All the technically qualified bidders will be notified through email to participate in Financial Proposal opening process by the Bid Evaluation Committee.
2. The cost indicated in the Financial Proposal shall be deemed as final and reflecting the total cost of services and should be stated in INR only. Omissions, if any, in costing of any item shall not entitle the Bidder to be compensated and the liability to fulfill its obligations as per the Scope of Work and Technical Specifications within the total quoted price shall be that of the Bidder. The Bidder shall bear all taxes, GST, duties, fees, levies and other charges imposed under the Applicable Law as applicable.
3. The Bidder with the Lowest VALUE OF FINANCIAL BID (L1) will be declared as a successful bidder
4. If there is more than one bidder having the same value of the financial proposal, AUTHORITY reserves the right to finalize the Successful Bidder and that will be binding on all bidders

1.5.2 Letter of Acceptance (LoA)

Prior to the expiration of the period of bid validity, the AUTHORITY will notify the Successful Bidder in writing or by fax or email, to be confirmed in writing by letter, that its bid has been accepted. LoA will constitute the formation of the contract. Upon the Successful Bidder's furnishing of Performance Bank Guarantee, AUTHORITY will promptly notify each unsuccessful bidder.

1.5.3 Signing of Contract

AUTHORITY shall notify the Successful Bidder that its bid has been accepted by a Letter of Award on acceptance of the Performance Guarantee. The Successful Bidder shall enter into contract agreement with AUTHORITY within the time frame mentioned in the Letter of Award issued to the Successful Bidder by the AUTHORITY.



1.5.4 Failure to Agree With the Terms & Conditions of the RFP / Contract

Failure of the Successful Bidder to agree with the Terms & Conditions of the RFP/ Contract shall constitute sufficient grounds for the annulment of the award, in which event AUTHORITY may invite for fresh RFP. The EMD shall be forfeited and the bidder will be blacklisted.

1.5.5 DHARAMSHALA SMART CITY LIMITED's Right to accept any Bid and to Reject any or All Bids

AUTHORITY reserves the right to accept or reject any Bid, and to annul the bidding process and reject any or all Bids at any time prior to award of Contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for AUTHORITY's action.

1.6 Performance Bank Guarantee

- a) Within fifteen (15) working days from the date of issuance of Letter of Award, the Successful Bidder shall at his own expense submit unconditional and irrevocable Performance Bank Guarantee (PBG) for an amount equivalent to 10% of contract value to DSCL.
- b) The PBG shall be from a Nationalized Bank or a Scheduled Commercial Bank in the format prescribed in Annexure 8, payable on demand, for the due performance and fulfillment of the contract by the bidder.
- c) In case of a consortium the PBG shall be drawn mentioning the name of the consortium to whom the work is awarded in the PBG, by any of the consortium partners who is a registered company.
- d) In addition to paper based confirmation system, IT enabled confirmation system will be followed for which the Bank Guarantee will be subjected to.
- e) All charges whatsoever such as premium; commission etc. with respect to the PBG shall be borne by the Successful Bidder.
- f) The PBG may be discharged/returned by AUTHORITY upon being satisfied that there has been due performance of the obligations of the bidder under the contract. However, no interest shall be payable on the PBG.



- g) The PBG shall be valid initially up to 90 days beyond the completion of the Construction Period.
- h) In case the project is extended after the project schedule as mentioned in the RFP, the PBG shall be accordingly extended by the Successful Bidder till 90 days beyond the extended period.
- i) In the event of the Bidder being unable to service the contract for whatever reason AUTHORITY would invoke the PBG. Notwithstanding and without prejudice to any rights whatsoever of AUTHORITY under the contract in the matter, the proceeds of the PBG shall be payable to AUTHORITY as compensation for any loss resulting from the bidder's failure to complete its obligations under the Contract. AUTHORITY shall notify the Bidder in writing of the exercise of its right to receive such compensation 14 (fourteen) days in advance, indicating the contractual obligation(s) for which the Bidder is in default.
- j) AUTHORITY shall also be entitled to make recoveries from the bidder's bills, PBG, or from any other amount due to him, the equivalent value of any payment made to him due to inadvertence, error, collusion, misconstruction or misstatement.
- k) On satisfactory performance and completion of the order in all respects and duly certified to this effect by AUTHORITY, Contract Completion Certificate shall be issued and the PBG would be returned to the Successful Bidder within the time mentioned in the contract.

1.7 VARIATIONS

1.7.1 Changes in the Quantities

- a) The Contractor is bound to carry out any of the items in the Bill of Quantities for quantity variation up to 30% (Thirty percent) excess provided that the change does not exceed 1% (One percent) of Initial Contract Price, at the BoQ rates.
- b) However, a rate or price as shall be appropriate for the excess quantity of item of work if it exceeds both the limits in (a) above shall be approved by the competent authority pursuant to 1.7.2.
- c) If any item of work is not required to be executed or the quantity is less than the quantity specified in the bidding documents due to change in circumstances, the bidder shall not be entitled for any claim or compensation.



1.7.2 Extra items of Work

There shall be an order in writing to execute the extra item of work from the Employer. Extra item can be additional, substituted or altered item depending on their relation to the original item or change in quantity above the limits specified in 1.7.1.b.

The rate for the extra item shall be worked out as specified in GCC Cl. 3.2.6 of the agreement.

1.7.3 Total Variation Cost

The overall value of all variation works shall be limited to 10% (Ten Percent) of the Initial Contract Price.

1.8 Defect Liability Period

The Defect Liability Period shall be 12 months from the date of issuance of the Completion Certificate.

The Contractor shall remedy any and all loss or damage to work during the Defect Liability Period at the Contractor's cost, save and except to the extent that any such loss or damage shall have arisen on account of any default or neglect of the Dharamshala Smart City Limited or on account of a Force Majeure Event..

1.9 Insurance

1.9.1 Insurance during Contract Period

The Contractor shall effect and maintain at its own cost, from the Contract Date till the date of issue of the Completion Certificate, the insurance of Works, Plant and Material for any loss or damage occurring on account of Force Majeure, Malicious Act, Accidental Damage, Explosion, Fire, Terrorism etc.

The insurance stated above shall cover the Authority and the Contractor against all loss or damage from any cause mentioned above.

1.9.2 Insurance for Contractor's Defects Liability

The Contractor shall effect and maintain insurance cover for the works from the date of issue of the Completion Certificate until the end of the Defect Liability Period for any loss or damage for which the Contractor is liable and which arises from a cause occurring (as mentioned in clause 1.9.1) prior to the issue of the Completion Certificate.



The Contractor shall also maintain other insurances for maximum sums as may be required under the applicable Laws and in accordance with Good Industry Practice.

1.9.3 Insurance against injury to Persons and damage to Property

The Contractor shall obtain insurance cover not less than Rs. 25.00 lakhs (Rupees Twenty five lakhs only) against its liability for any loss, damage, death or bodily injury. Or damage to any property (except things insured under Paragraph 1.9.1 and 1.9.2 of this Schedule) or to any person which may arise out of the Contractor's performance of this Agreement.

This insurance shall be per occurrence of not less than the amount stated above with no limit on the number of occurrences.

The contractor shall against its liability for any loss and damage to the property on which the contractor occupies, due to performing the obligations under the contract.

1.9.4 Insurance to be in Joint names

The insurance under Cl. 1.9.1 to 1.9.3 above shall be in the joint names of the Contractor and the Authority.



2. Special Conditions of Contract.

2.1 Scope of work ("Service")

2.1.1 Broad Scope of Work

The scope of work included in the project **Construction of Hostel for the Regional Mountaineering Centre at Dharamkot, Dharamshala** can be summarized as follows.

Sr. No.	Particulars
1	Construction of Hostel building of about 1150sqm as per the drawings provided complete with electrical, plumbing and firefighting works as per specifications.
2	Providing furniture and equipment such as projector for Conference room and Lecture Hall
3	Construction of retaining structures, drains, drive ways, landscaping, etc as per drawing and specifications and as directed by the Engineer

The required soil investigation tests shall be conducted prior to the commencement of construction works.

2.1.2 General Construction Work

1. Detailed working drawings of the components are to be submitted for each part of work and approval obtained before the commencement of the section.
2. All sites shall be cleaned of the debris and be removed off the site at no extra cost.
3. Necessary site clearing, restoration and preparation of working surface.
4. All civil work shall be done in such a way that other activities in the premises are not affected.
5. Retaining structures are required to be provided for land development. Site specific working drawings to be submitted and approved for each location as per the typical design drawings.



6. The Contractor is required to provide and install a Project Information board on site including the name of the Project, the Employer, the Project Management Consultant, the Contractor, the date of Commencement, the duration and the 3D view of the building, as approved by DSCL.

2.1.3 Traffic Management and Safety during construction

1. The Contractor shall at all-time carry out work on the Site in a manner creating least interference to the flow of traffic in the approach roads while ensuring the satisfactory execution of the Project.
2. The Contractor shall take all necessary measures for the safety of site during construction and provide, erect and maintain such barricades, including signs, markings, flags, lights and flagmen as may be required for information and protection of traffic approaching or passing through the section of the road where the works have commenced.
3. Proper barricading of the Site for construction shall be done by the Contractor where ever deep excavations / foundation pits are made.

2.2 Technical Specifications

2.2.1 GENERAL TECHNICAL SPECIFICATIONS

- a) The General Technical Specifications comprise of the Standard Specifications of the Public Works Department, Govt. of Himachal Pradesh and CPWD Specifications, unless and otherwise specifically relaxed wholly or partly through a special clause in the Contract and relevant BIS codes of practice.

The Electrical works shall be as per HPSEB specifications and carried out by a subcontractor who possess the license of appropriate class issued by the Chief Electrical Inspector, HPSEB

- b) Rates shall be inclusive of taxes including work contract tax, duties, GST, royalty etc and any other statutory deductions applicable such as labour cess.



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- c) The special provision in detailed specifications or wording of any item shall gain precedence over corresponding contradictory provision (if any) in the standard specifications or P.W.D. Hand Book where reference to such specifications is given without re-producing the details in contract.
 - d) It is presumed that the Contractor has gone carefully through the Specification and Standard Data Book & P.W.D. Hand Book and the Schedule of Rates of the Division and studied the site conditions before arriving at rates quoted by him. Decision of the Engineer shall be final as regards interpretation of specifications.
 - e) The contractor shall be responsible for making good the damages done to the existing property during construction by his men.
 - f) If it is found necessary from safety point of view to test any part of the structure, the test shall be carried out by the contractor with the help of the Department at his own cost.
 - g) The Contractor shall provide, maintain, furnish and remove on completion, temporary office on work site for the use of Project Engineer / Contractor's site office with exclusive facility for the Engineer's representative.
 - h) General directions or detailed description of work, materials and all coverage of rates given in the specification are not necessary repeated in the Bill of Quantities. Reference is however, drawn to appropriate section clause(s) of the General specifications accordance with which the work is to be carried out.
 - i) In the absence of specific directions to the contrary, the rates and prices inserted in the terms are to be considered as the full inclusive rates and prices for the finished work described there-under and cover all labour, materials, wastage, temporary work, plant overhead charges and profits, as well as the general liabilities, obligations and risks arising out of the General Conditions of Contract.



- j) The quantities set down against the item in the Bill of Quantities are only estimated quantities of each item of work included in the Contract and are not to be taken as a guarantee that the quantities schedule will be carried out or required or that they will not be exceeded.
- k) All measurements will be made in accordance with the units indicated in the Bill of Quantities and read in conjunction with the General Conditions of Contract.
- l) The details shown on drawings and all other information pertaining to the work shall be treated as indicative and provisional only and are liable to variation as found necessary while preparing working drawing which will be supplied by the contractor before execution. The contractor shall not, on account of such variation be entitled to any increase in rates over the ones quoted in the tender which are on measured quantity basis. The contractor has to make his own investigation before quoting for the work.
- m) Protection of underground telephone cable and aerial telephone wires and poles, transmission towers, electrical cables and water supplying lines. During the execution of work, it is likely that the contractor may meet with telephone cable, electrical cables, water supply lines etc. it will therefore be the responsibility of the Contractor to protect them carefully. All such cases should be brought to the notice of the Engineer by the contractor and also to the concerned department. Any damage whatsoever done to these cables and pipe lines by the contractor shall be made good by him at his cost.

2.2.2 Technical Specifications for Solar Photo Voltaic power plants:

a) Introduction

In grid-connected solar photo-voltaic (PV) systems, solar energy is fed into the building loads that are connected to the HPSEBL grid through a service connection with surplus energy being fed into the



grid and shortfall being drawn from the grid. Production of surplus energy may happen when solar energy produced exceeds the energy consumption of the building. This surplus is fed into the grid. During the night, or when during the day energy demand in the building exceeds solar energy generation, energy is drawn from the grid. Grid-connected solar PV systems have no battery storage and will not work during grid outage. For buildings with grid-connected solar PV systems, the service connection meter needs to be of the bidirectional type, whereby import kWh and export kWh are separately recorded.

A grid-connected solar PV system consists of the solar panels, solar panels mounting structure, one or more solar grid inverters, protection devices, meters, interconnection cables and switches.

Components and parts used in solar PV systems should conform to the BIS or IEC or other international specifications, wherever such specifications are available and applicable.

b) Quality and Workmanship

Solar PV modules are designed to last 25 years or more. It is therefore essential that all system components and parts, including the mounting structures, cables, junction boxes, distribution boxes and other parts also have a life cycle of at least 25 years. Therefore all works shall be undertaken with the highest levels of quality and workmanship. During inspection special attention will be given to neatness of work execution and conformity with quality and safety norms. Non compliant works will have to be redone at the cost of the Installer.

c) System Sizing

As per the solar net metering orders of the Himachal Pradesh Electricity Regulatory Commission (HPERC), crediting of energy for the purpose of net-metering is limited to 90% of the consumed energy during a 12 month settlement period. The maximum recommended solar PV capacity for grid-connected solar PV systems is therefore a capacity that produces not more than 90% of the annual energy consumption of the building.

d) Specification of Solar PV Modules



Solar PV modules shall be of the crystalline silicon type, manufactured in India.

Detailed specifications of the solar PV modules are given below:

<i>Type</i>	Crystalline silicon
<i>Origin</i>	Manufactured in India
<i>Efficiency</i>	$\geq 13\%$
<i>Fill factor</i>	$\geq 70\%$
<i>Degradation warranty</i>	Panel output (W_p) capacity to be $\geq 90\%$ of design nominal power after 10 years and $\geq 80\%$ of design nominal power after 25 years.
<i>Module frame</i>	Non-corrosive and electrolytically compatible with the mounting structure material
<i>Termination box</i>	Thermo-plastic, IP 65, UV resistant
<i>Blocking diodes</i>	Schottky type
<i>Module minimum rated power</i>	The nominal power of a single PV module shall not be less than 74Wp.
<i>RF Identification tag for each solar module</i>	Shall be provided inside the module and must be able to withstand environmental conditions and last the lifetime of the solar module.



<i>Identification tag data</i>	a) Name of the manufacturer of PV Module b) Name of the Manufacturer of Solar cells c) Month and year of manufacture (separately for solar cells and module) d) Country of origin (separately for solar cells and module) e) I-V curve for the module f) W_m , I_m , V_m and FF for the module g) Unique Serial No and Model No of the module h) Date and year of obtaining IEC PV module qualification certificate Name of the test lab issuing IEC certificate j) Other relevant information on traceability of solar cells and module as per ISO 9000 standard
<i>Power output rating</i>	To be given for standard test conditions (STC). I-V curve of the sample module shall be submitted.
<i>Compliance with standards and codes</i>	IEC 61215 / IS 14286 IEC 61730 Part 1 and 2
<i>Salt Mist Corrosion Testing</i>	per IEC 61701

e) Solar PV Modules Mounting Structure

The PV modules shall be mounted on fixed metallic structures having adequate strength and appropriate design, which can withstand the load of the modules and high wind velocities. The support structure shall be hot dip galvanized steel or aluminium.

Detailed specifications for the mounting structure are given below:

<i>Wind velocity withstanding capacity</i>	150 km / hour
<i>Structure material</i>	Hot dip galvanised steel with a minimum galvanisation thickness of 120 microns or aluminium alloy.



<i>Bolts, nuts, fasteners, panel mounting clamps</i>	Stainless steel SS 304
<i>Mounting arrangement for RCC-flat roofs</i>	With removable concrete ballast made of pre-fabricated PCC (1:2:4), M15
<i>Mounting arrangement for metal sheet roofs</i>	Mounting directly on the sheet metal, ensuring stability and wind withstanding capacity, or penetrating the sheet metal and fixing to the sub-structure, ensuring that the roof remains water proof and ensuring stability and wind withstanding capacity.
<i>Mounting arrangement for elevated structures</i>	The elevated structure has to be securely anchored to the supporting surface. Concrete foundations of appropriate weight and depth for elevated structures mounted directly on the ground; Bolted with anchor bolts of appropriate strength for elevated structures mounted on RCCsurfaces.
<i>Mounting arrangement for ground installations</i>	With removable concrete ballast made of pre-fabricated PCC (1:2:4), M15; assuring enough ground clearance to prevent damage of the module through water, animals and other environmental factors.
<i>Installation</i>	The structures shall be designed for simple mechanical on-site installation. There shall be no requirement of welding or complex machinery at the installation site.
<i>Minimum distance between roof edge and mounting structure</i>	0.6m



<i>Access for panel cleaning and maintenance</i>	All solar panels must be accessible from the top for cleaning and from the bottom for access to the module-junction box.
<i>Panel tilt angle</i>	North – south orientation with a fixed tilt angle of 11 – 13 degrees (depending on location), south facing.

The prospective Installer shall specify installation details of the solar PV modules and the support structures with lay-out drawings and array connection diagrams. The work shall be carried out as per the designs approved by the Customer.

f) Solar Array Fuse

The cables from the array strings to the solar grid inverters shall be provided with DC fuse protection. Fuses shall have a voltage rating and current rating as required. The fuse shall have DIN rail mountable fuse holders and shall be housed in thermoplastic IP 65 enclosures with transparent covers.

g) Solar Grid Inverter:

The solar grid inverter converts the DC power of the solar PV modules to grid-compatible AC power.

The detailed specifications of the solar grid inverter are given below.

<i>Total output power (AC)</i>	To match solar PV plant capacity while achieving optimum system efficiency
<i>Input DC voltage range</i>	As required for the solar grid inverter DC input.
<i>Maximum power point (MPPT) tracking</i>	Shall be incorporated
<i>Number of independent MPPT inputs</i>	1 or more
<i>Operation AC voltage</i>	Single phase 230V or Three phase 415V (+ 12.5%, -20%)
<i>Operating Frequency range</i>	47.5 – 52.5 Hz
<i>Nominal frequency</i>	50 Hz



<i>Power factor of the inverter</i>	>0.98 at nominal power
<i>Total harmonic distortion</i>	Less than 3%
<i>Built-in Protection</i>	AC high / low voltage; AC high /low frequency
<i>Anti-islanding protection</i>	As per VDE 0126-1-1, IEC 60255.5 / IEC 60255.27
<i>Operating ambient temperature range</i>	-10 °C - +60 °C
<i>Humidity</i>	0 – 95% Rh
<i>Inverter efficiency</i>	>=95%
<i>Inverter weighted efficiency</i>	>=94%
<i>Protection degree</i>	IP 65 for outdoor mounting, IP 54 for indoor mounting
<i>Communication interface</i>	RS 485 / RS 232 / RJ45
<i>Safety compliance</i>	IEC 62109-1, IEC 62109-2
<i>Environmental Testing</i>	IEC 60068-2 (1,2,14,30)
<i>Efficiency Measurement Procedure</i>	IS/IEC 61683
<i>Cooling</i>	Convection
<i>Display type</i>	LCD for data display. LCD / LED for status display
<i>Display parameters to include</i>	Output power (W), cumulative energy (Wh), DC voltage (V), DC current (A), AC voltage (V), AC frequency (Hz), AC current (A), cumulative hours of operation (h).



h) DC Combiner Box

A DC Combiner Box shall be used to combine the DC cables of the solar module arrays with DC fuse protection for the outgoing DC cable(s) to the DC Distribution Box.

i) DC Distribution Box

A DC distribution box shall be mounted close to the solar grid inverter.

The DC distribution box shall be of the thermo-plastic IP65 DIN-rail mounting type and shall comprise the following components and cable terminations:

- Incoming positive and negative DC cables from the DC Combiner Box;
- DC circuit breaker, 2 pole (the cables from the DC Combiner Box will be connected to this circuit breaker on the incoming side);
- DC surge protection device (SPD), class 2 as per IEC 60364-5-53;
- Outgoing positive and negative DC cables to the solar grid inverter.

As an alternative to the DC circuit breaker a DC isolator may be used inside the DC Distribution Box or in a separate external thermoplastic IP 65 enclosure adjacent to the DC Distribution Box. If a DC isolator is used instead of a DC circuit breaker, a DC fuse shall be installed inside the DC Distribution Box to protect the DC cable that runs from the DC Distribution Box to the Solar Grid Inverter.

j) AC Distribution Box

An AC distribution box shall be mounted close to the solar grid inverter.

The AC distribution box shall be of the thermo plastic IP65 DIN rail mounting type and shall comprise the following components and cable terminations:

- Incoming 3-core / 5-core (single-phase/three-phase) cable from the solar grid inverter
- AC circuit breaker, 2-pole / 4-pole
- AC surge protection device (SPD), class 2 as per IEC 60364-5-53
- Outgoing cable to the building electrical distribution board.

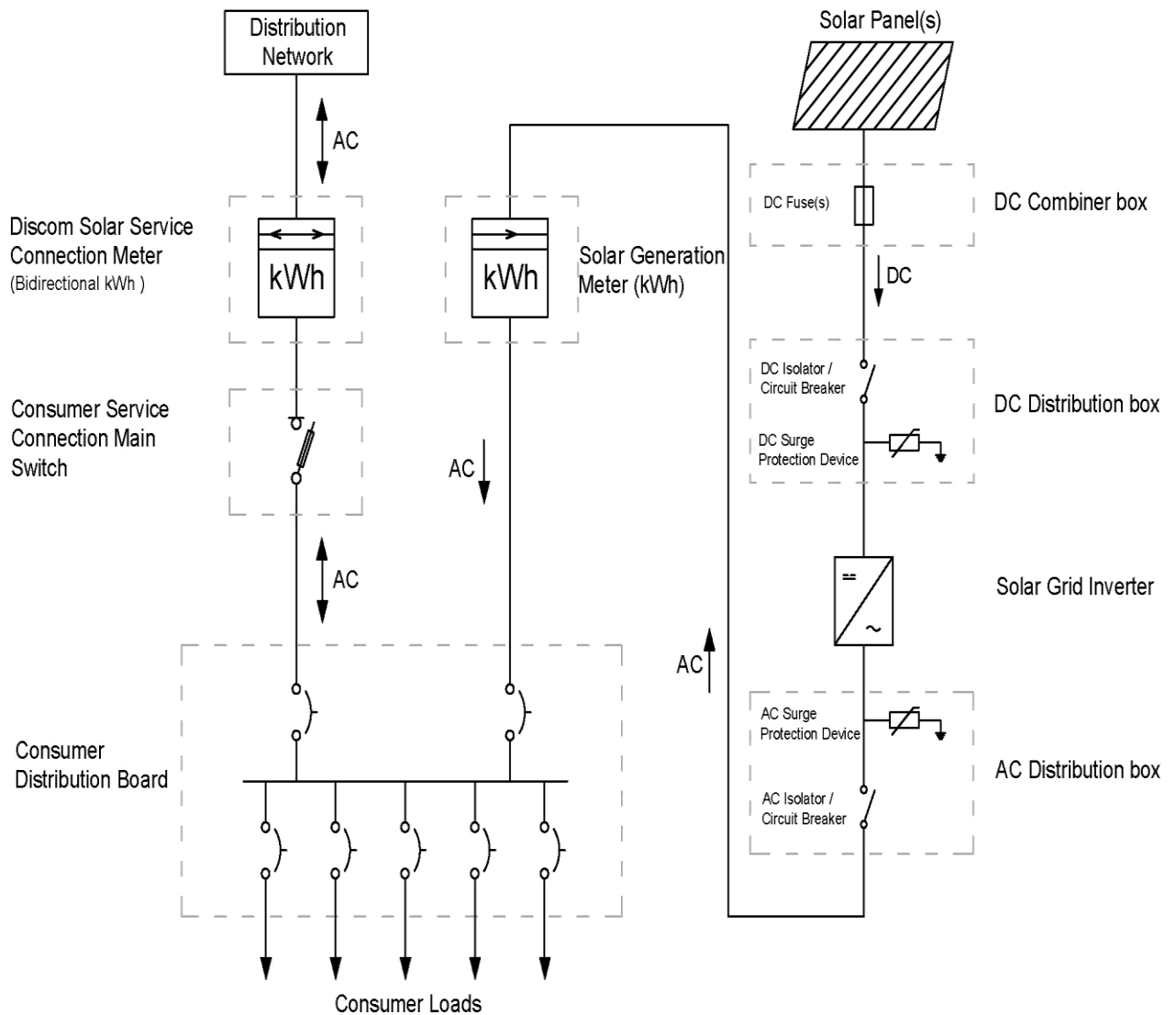
Connection to the Building Electrical System

The AC output of the solar grid inverter shall be connected to the building's electrical system after the HPSEBL service connection meter and main switch on the load side. The solar grid inverter



output shall be connected to a dedicated module in the Main Distribution Board (MDB) of the building. It shall not be connected to a nearby load or socket point of the building. The connection to the electrical system of the building shall be done as shown in typical wiring diagram.

Typical wiring diagram for grid-connected solar PV system



k) Cables

All cables shall be supplied conforming to IEC 60227/ IS 694 & IEC 60502/ IS 1554. Voltage rating: 1,100V AC, 1,500V DC



For the DC cabling, XLPE or XLPO insulated and sheathed, UV stabilised single core flexible copper cables shall be used. Multi-core cables shall not be used.

For the AC cabling, PVC or XLPE insulated and PVC sheathed single or multi-core flexible copper cables shall be used. Outdoor AC cables shall have a UV-stabilised outer sheath.

The total voltage drop on the cable segments from the solar PV modules to the solar grid inverter shall not exceed 2.0%.

The total voltage drop on the cable segments from the solar grid inverter to the building distribution board shall not exceed 2.0%

The DC cables from the SPV module array shall run through a UV-stabilised PVC conduit pipe of adequate diameter with a minimum wall thickness of 1.5mm.

Cables and wires used for the interconnection of solar PV modules shall be provided with solar PV connectors (MC4) and couplers.

All cables and conduit pipes shall be clamped to the rooftop, walls and ceilings with thermo-plastic clamps at intervals not exceeding 50 cm. The minimum DC cable size shall be 4.0 mm² copper. The minimum AC cable size shall be 4.0 mm² copper. In three phase systems, the size of the neutral wire shall be equal to the size of the phase wires. The following colour coding shall be used for cable wires:

- DC positive: red (the outer PVC sheath can be black with a red line marking)
 - DC negative: black
 - AC single phase: Phase: red; neutral: black
 - AC three phase: Phases: red, yellow, blue; neutral: black
 - Earth wires: green

Cables and conduits that have to pass through walls or ceilings shall be taken through a PVC pipe sleeve.

Cable conductors shall be terminated with tinned copper end-ferrules to prevent fraying and breaking of individual wire strands. The termination of the DC and AC cables at the Solar Grid Inverter shall be done as per instructions of the manufacturer, which in most cases will include the use of



special connectors.

l) Earthing

The PV module structure components shall be electrically interconnected and shall be grounded.

Earthing shall be done in accordance with IS 3043-1986, provided that earthing conductors shall have a minimum size of 6.0 mm² copper, 10 mm² aluminium or 70 mm² hot dip galvanised steel. Unprotected aluminium or copper-clad aluminium conductors shall not be used for final underground connections to earth electrodes.

A minimum of two separate dedicated and interconnected earth electrodes must be used for the earthing of the solar PV system support structure with a total earth resistance not exceeding 5 Ohm.

The earth electrodes shall have a precast concrete enclosure with a removable lid for inspection and maintenance. The entire earthing system shall comprise non-corrosive components.

m) Surge Protection

Surge protection shall be provided on the DC side and the AC side of the solar system.

The DC surge protection devices (SPDs) shall be installed in the DC distribution box adjacent to the solar grid inverter.

The AC SPDs shall be installed in the AC distribution box adjacent to the solar grid inverter.

The SPDs earthing terminal shall be connected to earth through the above mentioned dedicated earthing system. The SPDs shall be of type 2 as per IEC 60364-5-53

n) Junction Boxes

Junction boxes and solar panel terminal boxes shall be of the thermo plastic type with IP 65 protection for outdoor use and IP 54 protection for indoor use.

Cable terminations shall be taken through thermo-plastic cable glands. Cable ferrules shall be fitted at the cable termination points for identification.



o) Tools, Tackles and Spares

The Installer shall keep ready stock of tools, tackles and essential spares that will be needed for the day-to-day maintenance of the solar PV system. This shall include but not be limited to, the following:

Screw driver suitable for the junction boxes and combiner boxes;

Screw driver and / or Allen key suitable for the connectors, power distribution blocks, circuit breaker terminals and surge arrestor terminals;

Spanners / box spanners suitable for the removal of solar PV modules from the solar PV module support structure;

Solar panel mounting clamps;

Cleaning tools for the cleaning of the solar PV modules;

Spare fuses.

p) Caution Signs

In addition to the standard caution and danger boards or labels as per Indian Electricity Rules, the AC distribution box near the solar grid inverter, the building distribution board to which the AC output of the solar PV system is connected and the Solar Generation Meter shall be

provided with a non-corrosive caution label with the following text:

WARNING – DUAL POWER SOURCE EB & SOLAR

The size of the caution label shall be 105mm (width) x 20mm (height) with white letters on a red background.

Caution labels as may be prescribed by HPSEBL shall be fixed as per HPSEBL specifications.

q) Metering

An energy meter shall be installed in between the solar grid inverter and the building distribution board to measure gross solar AC



energy production (the "Solar Generation Meter"). The Solar Generation Meter shall be of the same accuracy class as the HPSEBL service connection meter or as specified by HPSEBL.

The existing service connection meter needs to be replaced with a bidirectional (import kWh and export kWh) service connection meter (the "Solar Service Connection Meter") for the purpose of net-metering. Installation of the Solar Service Connection Meter will be carried out by HPSEBL and is not in the scope of the work of the Installer. However testing of solar and utility energy meters from HPSEBL will be done by Installer.

r) Documentation

The Installer shall supply the following documentation:

- a) System description with working principles.
- b) System single line diagram.
- c) Solar PV array lay-out.
- d) Routing diagram of cables and wires.
- e) Data sheets and user manuals of the solar PV panels and the solar grid inverter.
- f) A system operation and maintenance manual.
- g) Name, address, mobile number and email address of the service centre to be contacted in case of failure or complaint.
- h) Warranty cards.
- i) Maintenance register.

s) Test Certificates and Reports to be Furnished

Test Certificates / Reports from IECQ / NABL accredited laboratory for relevant IEC / equivalent BIS standard for quoted components shall be furnished. Type Test Certificates shall be provided for the solar modules and the solar grid inverters to provide evidence of compliance with standards as specified in articles 4.0 and 7.0 of this Technical Specification. Customer reserves the right to ask for additional test certificates or (random) tests to establish compliance with the specified standards.

2.2.3 Order of precedence, clarifications and interpretations:

When various specifications and codes referred to are at variance with each



other, the following order of precedence will generally be accepted.

- a) Special conditions of contract, Item wise specifications, revised specifications if provided and execution drawing notes etc.
- b) CPWD Specifications
- c) I.S. Codes of practice.
- d) Standard specification of the State PWD Govt. of Himachal Pradesh.
- e) In case of items for which specifications are not available in the above mentioned specifications good sound engineering practice shall be followed and in such case specifications given by the employer / engineer shall be final & binding on the contractor.

2.2.4 Method of Measurement:

- a) The method of measurement and payment shall be as described under various items of the Bill of quantities
- b) All works shall be carried out in line & level as shown on approved working drawings and as directed by Engineer.

2.3 Quality Assurance & Control

2.3.1 Quality Assurance Plan

- a) The Contractor shall provide a Quality Assurance Plan (QAP) designed to document the processes and procedures for assuring quality throughout the course of Project complying to the CPWD Manual within 15 days from date of issuance of Letter of Award for the approval by DSCL. The approved quality assurance plan shall form part and parcel of this Contract.
- b) The Contractor shall submit the Request for Inspection (RFI) to the Engineer-in- Charge one day in advance before starting of any Concrete related work. In no case shall the Concrete work be started without submitting the RFI one day before the activity and without the prior approval of Engineer-in- Charge.



- c) In case of non-conformance to the quality control checks in accordance to the quality assurance plan for concrete related works, no payment shall be made to Contractor for non-conformance of Work.
- d) Defective work is liable to be rejected at any stage. The contractor on no account can refuse to rectify the defects merely on reasons that further work has been carried out. No payment shall be made for rectification.
- e) Contractor must carry out physical survey, existing Landscape survey, contour survey Site using Auto Level / Total Station before commencing the work in presence of DSCL / Engineer.
- f) Soil Investigation Tests shall be conducted for ascertaining the bearing capacity of the soil and other parameters required for the structural design of the building and retaining structures.
- g) For checking density of compacted substrata layer, field density tests shall be carried out as per the frequency approved in the Quality Assurance Plan.

2.3.2 Storage of materials

- a) Stacking and storage of construction material at site shall be in such a manner as to prevent deterioration or intrusion of foreign matter and to ensure the preservation of their quality, properties and fitness for the work.
- b) Suitable precautions shall be taken by the Contractor to protect the material against atmospheric actions, fire and other hazards.
- c) The materials likely to be carried away by wind shall be stored in suitable stores or with suitable barricades and where there is likely-hood of subsidence of soil, such heavy materials shall be stored on approved platforms.
- d) Steel shall be stored on wooden platforms so as to be protected from soil and dampness.

2.3.3 Concrete

Regular testing of concrete as per specifications at the specified frequency shall be conducted in the presence of DSCL/ authorised representative / approved laboratory and reports submitted for approval of the work done.



2.3.4 List of approved make of materials

The source of material including the quarries shall be approved by DSCL/
Engineer/ consultant appointed by DSCL.

Sr. No	Details of Materials / Equipment	Manufacturer's Name
1	Cement (OPC-(43 & 53G) & PPC)	a) Ultra tech b) ACC c) Ambuja
2	TMT Tor Steel	a) SAIL b) TISCO c) RINL
3	Structural Steel	a) SAIL b) TISCO c) RINL
4	Aluminum Sections	a) Jindal b) Hindalco
5	Ceramic Tiles (Wall & Floor Tiles)	a) Johnson b) Nitco c) Kajaria d) Orient e) Somany
6	Anti-termite chemical & Wood Preservatives	a) Thiodon b) De-nocil c) Bayer d) Vam Organic e) NOCIL f) Hindustan Insecticides g) Roffe Construction Chemicals
7	Paints (OBD, Emulsion paints, Synthetic enamel Paints)	a) ICI b) Asian c) Berger d) Nerolac
8	Water Proof Cement Paints	a) Snowcem India Ltd. b) ICI c) Asian



Sr. No	Details of Materials / Equipment	Manufacturer's Name
9	Red Oxide & Pink Primers	a) ICI b) Asian c) Berger d) Nerolac
10	Precast Cement Concrete Pavers & Tiles	a) Nitco b) Ultra c) Johnson d) Dura crete
11	Plywood & Board (Waterproof)	a) Duro b) Green ply c) Century ply d) Merinolam
12	Plumbing Fittings	a) Jaguar b) Hindware
13	Sanitary fittings	a) Hindware b) Cera c) Jaguar
14	Pipes	a) Finolex b) Vectus c) Astral
15	Pumps	a) Kirloskar
16	Glass	a) Saint Gobain
17	Aluminum hardware	a) Ipsa or Approved equivalent
18	Fasteners	a) Hilti b) Fischer
19	Welding Rod	a) ESSAB Ferro Speed plus b) D&H Norma
20	Electrical Items	a) Bajaj b) Havell's c) Philips d) L&T e) Schneider f) Legrand
21	Water Heater	a) Racold b) Bajaj



- a. For all other materials for which the manufacturer is not pre-approved, the Contractor shall submit credentials of minimum three manufacturers for prior approval of DSCL/Engineer.
- b. The manufacturers in the above list may be substituted (if needed) with prior approval of DSCL.

2.3.5 Project Staff

The Project Organisation Chart with names and designation of staff deployed on site shall be submitted within 15days of commencement of work and approval obtained from DSCL.

To ensure quality of work, the listed positions under Cl. 1.4.6.4 are mandatory to be made available throughout the construction period. The CV and the self attested certificates shall also be submitted for the listed personnel.

Any replacement during the course of the project shall be approved by DSCL.

Additional staff shall be employed time to time as required.

2.4 Payment Certificates

2.4.1 Monthly Payment Certificates

Subject to Clause 3.2, the Contractor shall submit the monthly statement by the 5th day of the succeeding month in the printed forms in duplicate and in .xls format soft copy (both to be submitted with the application) at the office of the Engineer with a copy of the same to DSCL.

Within 15 (fifteen) days on receipt of the Monthly Statement for Works, the Engineer shall deliver to the DSCL, with a copy to the Contractor, an Interim Payment Certificate (IPC) stating the amount which, in the opinion of the Engineer, is payable to the contractor.

In case of DSCL/Engineer have queries related to various claims in the monthly statement or if it is not supported with necessary details, the DSCL/Engineer will return the same to the contractor for compliance. Contractor has to resubmit the monthly statement with compliance.

2.4.2 Final Payment Certificate

- a. Within 60 (sixty) days after receiving the Completion Certificate the Contractor shall submit to the Engineer for consideration Final Payment Statement as per approved format by the DSCL/Engineer(the "Final



Payment Statement”) for Works, with supporting documents in duplicate and in .xls format soft copy (both to be submitted with the application) at the office of the Engineer with a copy of the same to DSCL.

b. The Final Payment Statement shall show in detail :

- i. The summary of Contractor’s interim Payment claims for Works as submitted in accordance with contract;
 - ii. The amounts received from the DSCL against each claim; and
 - iii. Any further sums which the Contractor considers due to it from the DSCL.
- c. If the DSCL/Engineer disagrees with or cannot verify any part of the Final Payment Statement, the Contractor shall submit such further information as they may reasonably require. The Engineer shall deliver to the DSCL:
- d. Upon submission of the Final Payment Statement for Works, the Contractor shall give to the DSCL, with a copy to the Engineer, a written discharge confirming that the total of the Final Payment Statement represents full and final settlement of all monies due to the Contractor in respect of this Agreement for all work arising out of this Agreement, except for any monies due to either Party on account of any Defect. Provided that such discharge shall become effective only after the payment due has been made in accordance with the Final Payment Certificate issued.
- e. Within 60 (sixty) days after receipt of the Final Payment Statement for Works, and the written discharge, and there being no disputed items of claim, the Engineer shall deliver to the DSCL, with a copy to the Contractor, a final payment certificate (the “Final Payment Certificate”) stating the amount which, in the opinion of the Engineer, is finally due under this Agreement or otherwise. For the avoidance of doubt, before issuing the Final Payment Certificate, the Engineer shall ascertain from the DSCL all amounts previously paid by the DSCL and for all sums to which the DSCL is entitled, the balance, if any, due from the DSCL to the Contractor or from the Contractor to the DSCL, as the case may be.
- f. Contractor should Remove the temporary structures, labor camps, & dispose surplus materials, debris etc. lying at work site within 30 days from receiving the Completion Certificate.



2.5 Time Period & Milestones

2.5.1 The Contract Period

The Contract period shall be reckoned from the fifteenth day of issue of Letter of Award or the date of signing the contract, whichever is earlier, which date will be the commencement date to the Completion of the Defect Liability Period.

2.5.2 The Construction Period

The construction period shall be **18 calendar months** from the commencement date. The completion date shall be the date of completion of the works at the end of the construction period including any extensions granted there of subject to the condition under Cl.3.7.4.

2.5.3 The Defects Liability Period

- a) The Defect Liability Period (Maintenance Period) shall be **12 calendar months** starting from the date of issuance of the Completion Certificate.
- b) The Contractor shall promptly repair or rectify all Defects and deficiencies observed by the Engineer during the Defects Liability Period within a period of 15 (fifteen) days from the date of notice issued by the Engineer, in this behalf, or within such reasonable period as may be determined by the Engineer at the request of the Contractor, in accordance with Good Construction Practice.
- c) The scope of work during the Defects Liability Period includes regular maintenance of the constructed facility including painting/polish finishes and electrical fittings in good condition.
- d) The costs of making good all these defects shall be borne solely by the Contractor and deemed to be included in the rates quoted by Contractor.
- e) If the contractor does not rectify the defect or make good the deficiency, the work should be got redone or rectified through another agency, or departmentally by employing skilled labourers, at the contractor's cost with 25% of the cost as penalty for non-performance. The amount shall be deducted from any monies due to the contractor or realization of any Bank guarantee.

2.5.4 The Project Milestones

No intermediate milestone is specified as per this RFP.



2.5.5 Liquidated Damages

In case of failure to complete the work/ supply in time the penalty shall be levied @ 0.50% per week or part thereof of the contract price subject to maximum of 10% of the total project cost.

If the total Penalty exceeds beyond 10%, it would be considered as non-conformance to the quality of Services and may lead to termination of the Contract and AUTHORITY may on their sole discretion cancel the order.

3. General Conditions of Contract (GCC)

3.1 Scope of Work

3.1.1 Broad Scope of work

This Contract is for the execution of the Works by the Contractor for DSCL, as per the Scope of works and Technical Specification as set out in Section 2 and in accordance with the terms and conditions of this Contract.

The Contractor shall, during the term of this Contract, execute the Works and any other work, as may be required to fulfill its obligations under this Contract.

3.1.2 Existing Utilities and roads

Notwithstanding anything to the contrary contained herein, the Contractor shall ensure that the respective entities owning the existing roads, right of way, level crossings, structures, or utilities on, under or above the Site are enabled by it to keep them in continuous satisfactory use, if necessary, by providing suitable temporary diversions with approval of DSCL and the controlling body of that road, right of way or utility.

3.1.3 Shifting of Obstructing Utilities

The Contractor shall, in accordance with Applicable Laws cause shifting of utility (including electric lines, water pipes and telephone cables) to an approved location or alignment. The DSCL shall assist the Contractor in obtaining the Applicable Permits for the same. The actual cost of such



shifting as approved and communicated by the entity owning the utility (IP&H/HPSEB/BSNL/any other) shall be borne by the Contractor and re-imbursed by DSCL to the Contractor.

3.1.4 Felling of Trees

The DSCL shall facilitate the Contractor in obtaining the Applicable Permits for felling of trees if such trees cause a Material Adverse Effect on the construction of the Work' as per applicable laws of MoEF&CC. The Parties here to agree that the felled trees shall be deemed to be owned by the owner of the premises and shall be disposed in such manner and subject to such conditions as the owner may in its sole discretion deem appropriate.

3.1.5 Drawings

Tender drawings are based on preliminary survey. Contractor has to carry out topographic survey jointly with DSCL & based on survey data Contractor shall prepare location specific working drawings and get the same approved from Employer/Engineer before commencement of work on site.

Within 15 days from the Commencement Date the Contractor shall start submitting drawings, construction documents, etc., for review and approval by the Employer / Engineer which shall be reviewed/approved within 7days of receipt.

The intellectual property rights in respect of drawing and all that is relevant to the concept of rights shall be vested in DSCL.

3.1.6 Quality Assurance

a. Inspection

The DSCL/PMC and its authorised representative shall at all reasonable times:

- 1) have full access to all parts of the Site and to all Places from which natural Materials are being obtained for use in work; and



- 2) During production, manufacture and construction at the Site and at the Place of production, be entitled to examine, inspect, measure and test the Materials and workmanship, and to check the progress of manufacture of Materials.

The Contractor shall give the DSCL/PMC and its authorised agents access, facilities and safety equipment for carrying out their obligations under this Agreement.

b. Samples

The Contractor shall submit the samples of Materials and relevant information to the DSCL/PMC for pre-construction review:

- 1) manufacturer's test reports
- 2) standard samples of manufactured Materials
- 3) samples of such other Materials as the DSCL/PMC may require
- 4) Test reports as per prescribed frequency in specifications

c. Quality Control, Tests and Inspection

1. For determining that work conform to the Specifications and Standards, the Engineer shall require the Contractor to carry out or cause to be carried out tests, at such time and frequency and in such manner as specified in Specifications, and in accordance with Good Industry Practice for quality assurance.
2. During course of the execution if any other laboratory is approved by DSCL for third party testing, the contractor can send the material to that laboratory also.
3. In the event that results of any tests conducted establish any Defects or deficiencies in work, the Contractor shall carry out remedial measures and furnish a report to the Engineer in this behalf. The Engineer shall require the Contractor to carry out or cause to be carried out tests to determine that such remedial measures have brought work into compliance with the Specifications and Standards, and the procedure shall be repeated until such Works conform to the Specifications and Standards.
4. Inspection and acceptance of the work shall not relieve the Contractor from any of his responsibilities under this Contract.



5. After completion of all tests as per specifications, the whole work will be subject to a final inspection to ensure that work has been completed as per requirement. If any defects noticed in the work are attributable to Contractor these shall be attended by the Contractor at his own cost, as and when they are brought to his notice by the Engineer / DSCL. The DSCL shall have the right to have these defects rectified at the risk and cost of the Contractor, if he fails to attend to these defects immediately.

3.1.7 Safety & Environment

a. PRECAUTIONS TO AVOID ANY NUISANCE TO THE NEIGHBORHOOD / SURROUNDING

All necessary precautions to be taken during the implementation of the project (during day or night) to avoid any nuisance or any harm to the neighborhood/surrounding areas of proposed construction site.

No complaint should be raised by the neighborhood /society dwellers, during the development work by contractor or any of the persons directly or indirectly related to the site work.

In case of any such conditions the contractor shall be fully responsible for the consequences & settlement.

b. Works at night

Subject to any provisions to the contrary contained in the contract, no work shall be carried out after day hours without the prior permission of the Engineer-in-charge except when the work is unavoidable circumstances, absolutely necessary, for saving life or property or for the safety of the work, in which case, the contractor shall immediately inform the Engineer-in-charge or his representative, provided always that the provision of this clause shall not be applicable in the case of any work which it is customary to carry out by double or rotary shifts in which case sufficient advance notice shall be given of the intention to work at night to the Engineer-in-charge after making all requisite arrangements and management of areas, materials and equipment's, required under any emergency etc.

The contractor can carry on work after office hours, if so required, subject to provide undertaking in writing, for expediting the progress on the works or for any other reasons of technical safety.



Whenever any work is required to be carried out at night in the interest of structural safety or any other reason with authorized to supervise, adequate lighting and other arrangement shall be made in advance by the contractor for proper execution and supervision of such work.

The contractor shall not be however entitled to claim any extra payments for night work. The responsibilities of all kind shall be of contractor.

c. OPPORTUNITIES AND FACILITIES FOR OTHER CONTRACTORS AGENCIES Etc.

The Contractor shall, in accordance with the requirements of the Engineer's Representative afford all reasonable opportunities to any other Contractors employed by the Employer for carrying out their work and to their workmen and to the workmen of the Employer and of any other duly constituted authorities who may be employed in the execution on or near the site of any work not included in the Contract or of any contract which the Employer may enter into in connection with or ancillary to the works.

d. Plant, Machinery & Job facility Area

The contractor will have to make his own arrangement for storage of materials, plants, equipment's, machineries to be used in the execution of this work well in time after award of the contract, at his own cost.

The land for facilitating the works shall be arranged by the contractor and maintained and re-instated after the implementation as per Environment mitigation norms.

The contractor shall allow the DSCL/Engineer or any person authorized by the Engineer to access the site or any place where work in connection with the contract is being carried out or intended to be carried out or to any place where materials or plant are being manufactured / fabricated/ assembled for the works.

e. Environmental safeguards

The Contractor shall take action of following points and note the stipulations as under as regards environmental safeguards as



stipulated by the Ministry of Environment, Forests and Climate Change.

f. Additional Conditions

Following additional conditions shall be binding on contractor during execution of work.

Any damage caused to either private or public property, services, structures etc. shall be made good by Contractor without any extra cost to the employer

Contractor need to ensure proper and adequate traffic safety signboards, barricades, lighting at night shall be displayed during day and night to ensure that no accidents take Place.

3.2 Payment Terms

3.2.1 Monthly Payment Certificates

a. The Contract Price :

DSCL hereby agrees to pay to the Contractor for satisfactory discharge of its obligations under this Contract, an Item Rate amount of INR awarded. The Contract Price shall be the full and complete payment for the Contractor's performance of the obligations under this Contract and includes all costs necessary for execution of the Works.

The Contract Price shall be paid in accordance with and in the manner provided in the Special conditions of contract and Annexure 3.2 of this RFP.

The Contract Price shall be inclusive of all taxes and levies under applicable laws. For the avoidance of doubt, all the taxes and duties levied by the state government/ central government/ local bodies at the prevailing rates applicable on the date of Letter of Award shall be fully borne by the Contractor and shall not be reimbursed to it by DSCL on any account.

Any payment of the Contract Price or part thereof, made by DSCL, shall not be deemed to constitute acceptance by DSCL of the Works or any part(s) thereof and shall not relieve the Contractor of any of its obligations under this Contract.

b. Monthly Statement



Subject to Clause 3.2.3.3, DSCL shall make monthly payments to the Contractor as certified by the Engineer on completion of a stage, and valued in accordance to its item rates set out in the Bill of Quantities.

The Contractor shall submit the monthly statement for each month on or before the 5th day of the following month for all completed works of the stage of works executed during the month in accordance with the bill of quantities and any other Item of Work which has been approved as a variation by DSCL. The Engineer shall take or cause to be taken the requisite measurement for the purpose of having the same verified and the claim, so far as it is admissible, and shall issue the Interim payment Certificate within 15 (fifteen) days from the presentation of the monthly statement.

c. Payment to the contractor on Interim Payment certificates

Payment shall be made no later than 30 (thirty) days from the date of certification of the Interim Payment Statement by the Engineer subject to the submission being not required to be referred back to contractor for corrections.

DSCL shall deduct payments against statutory deductions such as retention, TDS, GST/VAT, Cess etc. as per rules in force from time to time.

d. Payment intermediate to monthly certificates

No payment shall be made for any Works, intermediate to the monthly payments certificates.

e. Right to Withhold

The Engineer may refuse to approve any payment because of subsequently discovered evidence or the results of subsequent inspections or tests, nullify any such payment previously approved and paid to such extent as may be necessary in the opinion of the Engineer to protect him from loss because :

- a) The Work is defective,
- b) Third party claims have been filed or there is reasonable evidence indicating probable filing of such claims,
- c) of the Contractor's failure to make payment properly to sub-contractor or for labor, materials or equipment,
- d) of damage to another Contractor, or to the property of others



- caused by the Contractor,
- e) of reasonable doubt that the Work cannot be completed for the unpaid balance of the Contract Price,
 - f) of reasonable indication that the Work will not be completed within the Contract Period,
 - g) of the Contractor's neglect or unsatisfactory prosecution of the Work including failure to clean up.
 - h) In case of disputed items, the disputed amount shall be withheld and shall be paid only after settlement of the dispute

Once the reasons that enable or require the Engineer to withhold such payments are removed, payment will be made for amounts withheld due to such reasons to the extent the Contractor is entitled to.

f. Payment on reduced rates on account of items of Work not accepted by the Engineer

The rates of the items of Work in the Bill of Quantities, shall be valid only when the item concerned is accepted as having been completed fully in accordance with the Technical Specifications. In case where the item of Work are not accepted as so complete by the Engineer, the payment may be made on account of such item at such reduced rates as it may be considered reasonable in the preparation of the payment certificate. The reason for application of such reduced rates shall be justified and recorded.

g. Correction of Interim Payment Certificates

The Engineer may by an Interim Payment Certificate make any correction or modification of any previous Interim Payment Certificate issued.

h. Overpayment & Post payment Audit

- i. The DSCL further reserves the right to enforce recovery of any over payment when detected
- ii. Whenever any claim for the payment of a sum to the DSCL arises out of or under this Contract against the contractor the same may be deducted from any sum then due or which at any time thereafter may become due to the contractor under this contract and failing that under any other contract with the DSCL or from any sum due to the contractor with DSCL, or



from his retention money, or he shall pay the claim on demand.

- iii. The DSCL reserves the right to carry out post payment audit and technical examination of the final bill including all supporting vouchers, abstracts, etc.
- iv. If as a result of such audit and technical examination any over payment is discovered in respect of any work done by the Contractor or alleged to have been done by him under the contract, it shall be recovered by the DSCL from the contractor by way of all the means prescribed above.

i. Royalty charges

- i. The contractor hereby agree to pay royalty charges as per the prevailing rates at the time of procurement on consumed minerals in this work like rubble, metal, sand, murum etc. to revenue department, Govt. of Himachal Pradesh and hereby agree to produce receipts of payments of such royalty charges or N.O.C. from concerned revenue department to DSCL.
- ii. In case the receipts of payments of such royalty charges or no-objection certificate from concerned revenue department is not produced by the Contractor, DSCL reserves the right to deduct from any money which is due to the Contractor on account of royalty charges and penalty if any, to the appropriate authorities, if said authority asks DSCL to recover Royalty Charges or otherwise.

3.2.2 Price Adjustment

Price adjustment is not applicable in this contract/RFP.

3.2.3 Advance Payments and recovery

- a) 10 % advance payment for mobilization shall be made within 15 days of signing the contract against a bank guarantee equal to the amount of advance.
- b) The advance amount shall be interest free and shall be recovered at 20% of the certified amount of subsequent payment certificates.



- c) The advance guarantee will be returned on full recovery of the advance amount.

3.2.4 Release of Payments

- a) Payments shall be made by the DSCL within 30 (Thirty) days of receipt of the Interim Payment certificates issued by the Engineer on satisfactory quality inspection and verification by the AUTHORITY's Official on the conformity on the Goods/ Products/ Services/ Solutions supplied as per the agreed specifications.
- b) The DSCL shall, pay to the Contractor the amount which is stated as being finally due in the Final Payment Certificate within 60 (Sixty) days of receipt of the same and in that event no further amount shall ever become due and payable to the contractor in respect of this contract save and except as indicated in the final payment certificate.
- c) Payment shall be made in Indian Rupees by RTGS/ NEFT on Bank in the name of the Contractor.
- d) All remittance charges shall be borne by the Contractor.
- e) Any liquidated damages, for delay and non-performance, as mentioned in this RFP document, shall be deducted from the due payments.
- f) Indirect taxes and levies and any statutory deductions as applicable, shall be deducted as per the prevalent rules and regulations.

3.2.5 Retention

- a) Recovery of Retention Money will commence from the first Interim Payment Certificate (IPC) onwards @ 7% of value of work done from each Interim Payment Certificate limiting to 5% of the Contract Amount.
- b) Retention money will be refunded not later than 90 days on successful completion of the Defects Liability period.

3.2.6 Variations

3.2.6.1 Change in quantities



- a) The Contractor is bound to carry out the items in the Bill of Quantities for quantity variation up to 30% (Thirty percent) excess provided that the change does not exceed 1% (One percent) of Initial Contract Price, at the BoQ rates.
- b) However, a rate or price as appropriate for the excess quantity of item of work if it exceeds both the limits in (a) above shall be approved by the competent authority pursuant to 3.2.6.3.
- c) If any item of work is not required to be executed or the quantity is less than the quantity specified in the bidding documents due to change in circumstances, the bidder shall not be entitled for any claim or compensation.

3.2.6.2 Extra items

- a) Items of work not expressly or impliedly described in the schedule, plans or specifications will be treated as "**Variations**". They will include only items of works which are highly necessary for the proper execution of the work and for its completion, but were not provided in the original contract.
- b) There shall be an order in writing to execute the extra item of work as a '**Variation Order**' from the Employer. Extra item can be additional, substituted, altered or new item depending on their relation to the original item.

3.2.6.3 Payment for Variations

Rates for the extra item shall be worked out as below:

- (i) In the case of extra items, if accepted rate for an identical item is available in the contract the same shall be taken.
- (ii) In the case of extra items for which similar item exist in the contract, the rates shall be derived from the original item by appropriate adjustment of cost of affected components.
- (iii) In the case of extra items for which similar items do not exist in the contract and rate exist in the standard schedule of rates, the rates shall be arrived based on standard data rate prevalent at the time of ordering the extra item after applying the overall tender variation. However, no tender excess will be applied.
- (iv) In the case of extra items for which standard data is not available and that do not come in the category mentioned in (i), (ii) and (iii) above, the rates shall be worked by the Engineer based on prevailing market rates



giving due consideration to the analysis of rates and data furnished by the contractor.

3.2.6.3 Total Variation Cost

The overall value of all variation works shall be limited to 10% (Ten Percent) of the Initial Contract Price.

3.3 Liability and Indemnity and Confidentiality

3.3.1 Liability and Indemnity

- a. The Contractor will indemnify, defend, save and hold harmless the DSCL and its officers, servants, agents, Government Instrumentalities and Government owned and/or controlled entities/enterprises, (the "DSCL Indemnified Persons") against any and all suits, proceedings, actions, demands and third party claims for any loss, damage, cost and expense of whatever kind and nature, whether arising out of any breach by the Contractor of any of its obligations under this Agreement or from any negligence under the Agreement, or tort or on any other ground whatsoever, except to the extent that any such suits, proceedings, actions, demands and claims have arisen due to any negligent act or omission, or breach or default of this Agreement on the part of the DSCL Indemnified Persons.
- b. The Contractor shall fully indemnify, hold harmless and defend the DSCL and the DSCL Indemnified Persons from and against any and all loss and/or damages arising out of or with respect to:
 - i. failure of the Contractor to comply with Applicable Laws and Applicable Permits;
 - ii. payment of taxes required to be made by the Contractor in respect of the income or other taxes of the Sub-contractors, suppliers and representatives; or
 - iii. non-payment of amounts due as a result of Materials or services furnished to the Contractor or any of its Sub-contractors which are payable by the Contractor or any of its Sub-contractors.
 - iv. The Contractor shall fully indemnify, hold harmless and defend the DSCL Indemnified Persons from and against any and all suits,



proceedings, actions, claims, demands, liabilities and damages which the DSCL Indemnified Persons may hereafter suffer or pay by reason of any demands, claims, suits or proceedings arising out of claims of infringement of any domestic or foreign patent rights, copyrights or other intellectual property, proprietary or confidentiality rights with respect to any materials, information or process used by the Contractor or by the Sub-contractors in performing the Contractor's obligations or in any way incorporated in or related to the Project.

- v. If in any such suit, action, claim or proceedings, a temporary restraint order or preliminary injunction is granted, the Contractor shall make every reasonable effort, by giving a satisfactory bond or otherwise, to secure the revocation or suspension of the injunction or restraint order.
- vi. If, in any such suit, action, claim or proceedings, the Work, or any part thereof or comprised therein, is held to constitute an infringement and its use is permanently enjoined, the Contractor shall promptly make every reasonable effort to secure for the DSCL a license, at no cost to the DSCL, authorizing continued use of the infringing work.
- vii. If the Contractor is unable to secure such license within a reasonable time, the Contractor shall, at its own expense, and without impairing the Specifications and Standards, either replace the affected work, or part, or process thereof with non-infringing work or part or process, or modify the same so that it becomes non-infringing

3.3.2 Confidentiality

- a) AUTHORITY and the Successful Bidder shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract except information available on public domain.



- b) The Successful Bidder shall not use the documents, data, and other information received from AUTHORITY for any purpose other than the services required for the performance of the Contract.

3.4 Labour Laws and Welfare

3.4.1. Labour Laws to be complied by the Contractor

- a. Notwithstanding any provision as may find here below, Contractor without an exception and limitation shall be liable for complete adherence and responsibilities arising out of all the labour laws as may be in force or as may become effective from time to time. The contractor shall obtain a valid license under the Contract Labour (R & A) Act 1970, and the Contract Labour (Regulation and Abolition) Central Rules 1971, before the commencement of the work, and continue to have a valid license until the completion of the work. The contractor shall also abide by the provisions of the Child Labour (Prohibition and Regulation) Act, 1986. The contractor shall also comply with the provisions of the building and other construction Workers (Regulation of Employment & Conditions of Service) Act, 1996 and the building and other Construction Workers Welfare Cess Act, 1996.
- b. The contractor shall ensure the registration of all eligible workers (inclusive of those of subcontractors and petty contractors) with construction workers welfare board.
- c. Any failure to fulfill these requirements shall attract the penal provisions of this contract arising out of the resultant non- execution of the work.
- d. No labour below the age of fourteen years shall be employed on the work.

3.4.2. Payment of Wages

- a. The contractor shall pay to the labour employed by him either directly or through sub-contractors, wages not less than fair wages as defined in the Contractor's Labour Regulations or as per the provisions of the contract Labour (Regulation and Abolition) Central Rules, 1971, wherever applicable.



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- b. The contractor shall, notwithstanding the provisions of any contract to the contrary, cause to be paid fair wage to labour indirectly engaged on the work, including any labour engaged by his sub-contractors in connection with the said work, as if the labour had been immediately employed by him.
- c. In respect of all labour directly or indirectly employed in the works for performance of the contractor's part of this contract, the contractor shall comply with or cause to be complied with the Central Public Works Department contractor's Labour Regulations made by Government from time to time in regard to payment of wages, wages period, deductions from wages recovery of wages not paid and deductions un-authorized made, maintenance of wage books or wage slips, publication of scale of wages and other terms of employment, inspection and submission of periodical returns and all other matters of the like nature or as per the provisions of the Contract Labour (Regulation and Abolition) Act 1970, and the Contract Labour (Regulation and Abolition) Central Rules, 1971, wherever applicable.
- d. The Engineer-in-Charge concerned shall have the right to deduct from the money due to the contractor any sum required or estimated to be required for making good the loss suffered by a worker or workers by reasons of non-fulfillment of the conditions of the contract for the benefit of the workers, non-payment of wages or of deductions made from his or their wages which are not justified by their terms of the contract or non-observance of the Regulations.
- e. Under the provision of Minimum Wages (Central) Rules 1950, or statutory modification thereof, the contractor is bound to allow to the labors directly or indirectly employed in the works one day rest for 6 days continuous work and pay wages at the same rate as for duty. In the event of default, the Engineer-in-Charge shall have the right to deduct the sum or sums not paid on account of wages for weekly holidays to any labors and pay the same to the persons entitled thereto from any money due to the contractor by the Engineer-in- Charge concerned.
- f. The contractor shall comply with the provisions of the following
- i. Payment of Wages Act, 1936.,
 - ii. Minimum Wages Act, 1948,
 - iii. Employees Liability Act, 1938,



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- iv. Workmen's Compensation Act, 1923, Industrial Disputes Act, 1947
 - v. Maternity Benefits the modifications thereof
 - vi. or any other laws relating thereto and the rules made there under from time to time.
 - g. The contractor shall indemnify and keep indemnified DSCL against payment to be made under and for the observance of the laws aforesaid and the Contractor's Labour Regulation without prejudice to his right to claim indemnify from his sub-contractors.
 - h. The laws aforesaid shall be deemed to be a part of this contract and any breach thereof shall be deemed to be a breach of this contract

3.5 Force Majeure

- a) The Contractor shall not be liable for termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- b) For purposes of this Clause, Force Majeure means an event or situation beyond the control of the Contractor that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Contractor. Such events may include, but not be limited to, acts of AUTHORITY in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes and natural calamities.
- c) If a Force Majeure situation arises, the Contractor shall promptly notify AUTHORITY in writing of such condition and the cause thereof. Unless otherwise directed by AUTHORITY in writing, the Contractor shall continue to perform its obligations under the Contract as far as it is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

3.6 Settlement of Disputes

1. Performance of the contract is governed by the terms and conditions of the contract, in case disputes arise between the parties regarding any



matter under the contract, either Party of the contract may send a written Notice of Dispute to the other party. The Party receiving the Notice of Dispute will consider the Notice and respond to it in writing within 30 (thirty) days after the receipt. If that party fails to respond within 30 (thirty) days, or the dispute cannot be amicably settled within 60 (sixty) days following the response of that party, clause GCC 3.6 (2) shall become applicable.

2. **Arbitration:**

- a) In the case of dispute arising, upon or in relation to, or in connection with the contract between AUTHORITY and the Contractor, which has not been settled amicably, any party can refer the dispute for Arbitration under the (Indian) Arbitration and Conciliation Act, 1996(as amended up to date) . Such disputes shall be referred to an Arbitral Tribunal consisting of three arbitrators, one each to be appointed by the AUTHORITY and the Contractor, the third arbitrator shall be chosen by the two arbitrators so appointed by the parties and shall act as Presiding Arbitrator. In case of failure of the two arbitrators, appointed by the parties to reach a consensus regarding the appointment of the third arbitrator within a period of 30 (thirty) days from the date of appointment of the two arbitrators, the Presiding arbitrator shall be appointed as per law. The Arbitration and Conciliation Act, 1996 and any statutory modification or re-enactment thereof, shall apply to these arbitration proceedings
- b) Arbitration proceedings shall be held in Dharamshala, Himachal Pradesh, India and the language of the arbitration proceedings and that of all documents and communications between the parties shall be English.
- c) The decision of the majority of arbitrators shall be final and binding upon both parties. The expenses of the arbitrators as determined by the arbitrators shall be shared equally by AUTHORITY and the Contractor. However, the expenses incurred by each party in connection to the preparation, presentation shall be borne by the party itself. All arbitration awards shall be in writing and shall state the reasons for the award.

3.7 Time of Completion

3.7.1 Construction Period

The time of completion of the works for the implementation of the project as per the deliverable in Clause 3.2.1 shall be the period specified in the



Special conditions of contract / Contract Data reckoned from the fifteenth day of issuance of the Letter of Award or from the date of signing of the contract agreement whichever is earlier.

3.7.2 Construction Programme

The Contractor shall submit a detailed construction programme/schedule in MS project software for the project implementation within 30 days of issuance of Letter of Award. The Programme shall be in the order in which he intends to carry out the work including the anticipated timing of procurement, deployment of resources and quantities involved. The Programme will be projected as Bar Chart presentation and S-curve with cash flow.

Contractor shall promptly give notice of probable future events or circumstance which may adversely affect the work. If at any time actual progress is too slow to achieve target Programme and/or progress has fallen behind the current Programme then the Engineer may instruct the contractor to submit revised Programme with plan to mitigate time loss.

3.7.3 Progress Reports

Monthly progress reports shall be submitted in two copies to the Authority showing the work executed against the schedule during the construction period of the project. The reports shall contain the following but not limited to these.

- a) The Executive summary
- b) Programme reflecting the progress
- c) S-Curve
- d) Deployment of Contractor's Staff
- e) Deployment of Machinery
- f) Weather Chart
- g) Photographs showing the progress
- h) Any other

The reports shall be submitted on or before the 5th day of the following month.

3.7.4 Extension of Time



The work shall have to be completed within originally stipulated period as indicated in the contract. Time is essence of contract and failure to adhere to the time of completion shall attract liability for the contractor to pay Liquidated Damages as specified in Cl.3.10.

- a. However, it has been agreed between the parties that in event of any variation or change taking place affecting the time of completion, time adjustment shall be made by DSCL for which no additional cost will be payable. Such time extension shall ordinarily be for exceptionally adverse climatic conditions, enforceable shortage in availability of materials or any delay, impediment or prevention caused by or attributable to the DSCL.
- b. If the contractor shall desire an extensions of time for completion of work on the ground of his having been "UNAVOIDABLY" hindered or on compensation event(s) or on any other ground(s), he must apply giving all and complete details of such hindrances and/or compensation event(s) and/or other cause(s) in writing, to the DSCL with copy to the Engineer, positively within 15 (Fifteen) days of occurrence of such hindrance(s)/compensation event(s)/other cause(s) and seek specific extension of time (period from..... to.....).
- c. Failure on the part of the contractor for not applying extension of time even within 30 days of the cause of such an hindrance, it shall be deemed that the contractor does not desire extension of time and that he has "Waived" his right if any to claim extension of time for such cause of hindrance
- d. If at any time during performance of the Contract, the Contractor encounters condition impeding timely delivery of the Services, the Contractor shall promptly notify AUTHORITY in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Contractor's notice, DSCL shall evaluate the situation and may at its discretion extend the time for performance in writing.
- e. Delay by the Contractor in the performance of its Delivery and Completion obligations shall render the bidder liable for disqualification for any further bids in DSCL and penalty levied as per Cl.3.10.1 unless an Extension of time is agreed mutually.

3.7.5 Defect Liability Period



The Defects Liability period shall be the duration specified in the Special Conditions of contract / Contract Data starting from the date of completion of the entire scope of work on which a completion certificate shall be issued.

3.8 Termination

1. AUTHORITY may, without prejudice to any other remedy for breach of Contract, terminate this Contract in case of the occurrence of any of the events specified in paragraphs (1) to (10) of this GCC Clause 3.8. In such an occurrence, AUTHORITY shall give not less than 30 (thirty) days' written notice of termination to the Contractor.
2. If the Contractor does not remedy a failure in the performance of its obligations under the Contract, within 15 (fifteen) days after being notified or within any further period as AUTHORITY may have subsequently approved in writing.
3. If the Contractor becomes insolvent or goes into liquidation, or receiver is appointed whether compulsory or voluntary.
4. If, in the judgment of AUTHORITY, the Contractor has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.
5. If, as the result of Force Majeure, the Contractor is unable to perform a material portion of the Services for a period of not less than 60 (sixty) days.
6. If the Contractor submits to the AUTHORITY a false statement which has a material effect on the rights, obligations or interests of AUTHORITY.
7. If the Contractor places itself in a position of conflict of interest or fails to disclose promptly any conflict of interest to AUTHORITY.
8. If the Contractor fails to provide the quality services as envisaged under this Contract, AUTHORITY may make judgment regarding the poor quality of services, the reasons for which shall be recorded in writing. AUTHORITY may decide to give one chance to the Successful Bidder to improve the quality of the services.
9. If the Contractor fails to comply with any final decision reached as a result of arbitration proceedings.
10. If AUTHORITY, in its sole discretion and for any reason whatsoever, decides to terminate this Contract.



11. In the event AUTHORITY terminates the Contract in whole or in part, pursuant to this GCC Clause 3.8, AUTHORITY may procure, upon such terms and in such manner as it deems appropriate, services similar to those undelivered or not performed, and the Contractor shall be liable to AUTHORITY for any additional costs for such similar services. However, the Contractor shall continue performance of the Contract to the extent not terminated.

3.9 Payment upon Termination

Upon termination of this Contract pursuant to GCC Clauses 3.8, the AUTHORITY shall make the following payments to the Contractor:

- a) If the Contract is terminated pursuant to GCC Clause 3.8 (10), remuneration for Services satisfactorily performed prior to the effective date of termination.
- b) If the agreement is terminated pursuant of GCC Clause 3.8 (1), (2), (3), (4), (5), (6), (7), (8) and (9), the Contractor shall not be entitled to receive any agreed payments upon termination of the contract. However, the AUTHORITY may consider making a payment for the part satisfactorily performed on the basis of *quantum merit* as assessed by it, if such part is of economic utility to the AUTHORITY. The AUTHORITY may also impose liquidated damages as per the terms of this RFP. The Contractor will be required to pay any such liquidated damages to AUTHORITY within 30 (thirty) days of termination date.

3.10 Liquidated Damages

- a. If contractor fails to comply with time for completion the contractor being given notice to make good the time fails to do so to the satisfaction of Engineer he shall be liable to pay LD/Delay Damages for the default.
- b. In case of failure to complete the work/ supply in time the penalty shall be levied at the rates given in the Special Conditions of Contract Cl.2.5.5 subject to maximum of 10% of the Total project cost.
- c. If the total Penalty exceeds beyond 10%, it would be considered as non-conformance to the quality of Services and may lead to termination of the Contract and AUTHORITY may on their sole discretion terminate the contract. These damages shall not release the contractor from its obligation



to complete the job or from any duties or responsibilities which he may have under the contract.

- d. These damages shall not release the contractor from its obligation to complete the job or from any duties or responsibilities which he may have under the contract.
- e. DSCL will deduct amount of liquidated damages from due payments to contractor.
- f. Amount shown against Milestones if any will be deducted on weekly basis on not achieving intermediate Milestones or non-completion of work within stipulated contract period or Extension of time granted by Employer for reasons other than contractor's default.
- g. The Liquidated damages shall be released without interest or charges if contractor achieves the last Milestone on or before completion of approved time limit including extension of time limit, if approved.
- h. If, before the Time of Completion of the whole of the Works or, if applicable, any section, a Taking – Over Certificate has been issued for any part of the Works or of a Section, the liquidated damages for delay in completion of the remainder of the Works or of that Section shall, for any period of delay after the date stated in such Taking-Over Certificate, and in the absence of alternative provisions in the Contract, be reduced in the proportion which the value of the part so certified bears to the value of the whole of the Works or section, as applicable. The provisions of this Sub-clause shall only apply to the rate of liquidated damages and shall not affect the limit thereof.

3.11 Other Conditions

3.11.1 Governing Law

The Contract shall be governed by and interpreted in accordance with the laws of India.

The Contractor should comply with all applicable laws and rules of Government of India/ Government of Himachal Pradesh/Municipal Corporation Dharamshala/ Dharamshala Smart City Limited.

Change in Laws and Regulations



Unless otherwise specified in the Contract, if after the date of the Invitation for bids, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed that subsequently affects the Delivery Date and/or the Contract Price, then such Delivery Date and/or Contract Price shall be correspondingly increased or decreased, to the extent that the Contractor has thereby been affected in the performance of any of its obligations under the Contract.

3.11.2 Employment rights

The support executive(s)/ supervisor(s)/ staffs deployed by the Contractor shall not have right to demand for any type of permanent employment with AUTHORITY or its allied Offices.

3.11.3 Employer's right to alter

MD CUM CEO, DHARAMSHALA SMART CITY LIMITED reserves the right to withdraw/ relax any of the terms and condition mentioned in the RFP, so as to overcome the problem encountered at a later stage for the smooth and timely execution of the project.

3.12 Risk Purchase

In case the Contractor fails to deliver the project due to inadvertence, error, collusion, incompetency, termination, misconstruction or illicit withdrawal, the MD CUM CEO, DHARAMSHALA SMART CITY LIMITED reserves the right to procure the same or similar services from the alternate sources at risk, cost and responsibility of the Contractor.



Annexure 1- Guidelines for Pre-Qualification Proposal

Annexure 1.1 - Check-list for the Pre-Qualification Proposal

S.No.	List Of Document	File Name	Submitted (Y/N)	Description
1	Proof of Tender Fee and EMD submitted			
2	Bid Covering Letter As per format provided at Annexure 1.2		Reference No: Date of Letter:	
3	Bidders' Particulars As per format provided at Annexure 1.3		Name of bidder(s):	
4	Power of Attorney in favor of Authorized signatory As per format provided at Annexure 6		Date of PoA: Name of Authorized Person:	
5	Copy of Certificate of Incorporation /Registration under Companies Act, 1956/2013 or corresponding Act in abroad		Registration Number: Date of Incorporation:	
6	Copy of Certificate from the Statutory Auditor for the last 3 (Three) financial years.		Year-wise Details Turnover	
7	Declaration for Not blacklisted by Central/State Government/ PSU entity in India or similar agencies globally for unsatisfactory past performance, corrupt, fraudulent or any other unethical business practices as on date of submission of the proposal.		Reference No: Date of Letter:	
8	Valid Copy of PAN		Ref No.	
9	Valid copy of GSTIN registration		Ref No. Date	



Annexure 1.2 - Pre-Qualification Cover Letter

(To be submitted on the letterhead of the bidder)

Date:

To
MD CUM CEO
DHARAMSHALA SMART CITY LIMITED,
Old Himuda Building, Chilgari Dharamshala,
Himachal Pradesh, 176215

Subject: Bid for “**Construction of Hostel for the Regional Mountaineering Centre at Dharamshala**”

RFP Reference No: XX

Dear Sir,

With reference to your invitation for bids for “**Construction of Hostel for the Regional Mountaineering Centre at Dharamshala**”, we hereby submit our Prequalification Proposal, Technical Proposal, and Financial Proposal, for the same.

We hereby declare that:

- a. We hereby acknowledge and unconditionally accept that the Authority can at its absolute discretion apply whatever criteria it deems appropriate, not just limiting to those criteria set out in the RFP and related documents, in short listing of bidder for providing services.
- b. We have submitted EMD of INR [] in the form of [.....] and Tender fee of INR [] Online through e-Tendering Portal (www.hpeproc.gov.in),
- c. We hereby declare that all information and details furnished by us in the bid are true and correct, and all documents accompanying such application are true copies of their respective originals.
- d. We agree to abide by our offer for a period of 180 days from the date of opening of pre-qualification bid prescribed by **Authority** and that we shall remain bound by a communication of acceptance within that time.



-
- e. We have carefully read and understood the terms and conditions of the RFP and the conditions of the contract applicable to the RFP. We do hereby undertake to provision as per these terms and conditions.
 - f. In the event of acceptance of our bid, we do hereby undertake:
 - i. To supply the products and commence services as stipulated in the RFP document
 - ii. To undertake the project services for entire contract period from the date of signing of the contract as mentioned in the RFP document.
 - iii. We affirm that the prices quoted are inclusive of design, development, delivery, installation, commissioning, training, providing facility management and handholding support, and inclusive of all out of pocket expenses, taxes, levies discounts etc.
 - g. We do hereby undertake, that, until a formal contract is prepared and executed, this bid, together with your written acceptance thereof and notification of award of contract, shall constitute a binding contract between us.
 - h. We understand that the **Authority** may cancel the bidding process at any time and that **Authority** is not bound to accept any bid that it may receive without incurring any liability towards the bidder.
 - i. We fully understand and agree to comply that on verification, if any of the information provided in our bid is found to be misleading the selection process, we are liable to be dismissed from the selection process or termination of the contract during the project, if selected to do so

In case of any clarifications please contact _____ email at

Thanking you,
Yours sincerely,

(Signature of the Bidder/ Lead Member)

Printed Name

Designation

Seal

Date:

Place:

Business Address:



Annexure 1.3 - Format to share Particulars of the Bidder

The Table below provides the format in which general information about the bidder must be furnished.

S No	Information	Details
1.	Name of bidder	
2.	Address and contact details of bidder	
3.	Firm Registration Number and Year of Registration	
4.	Web Site Address	
5.	Status of Company (Public Ltd., Pvt. Ltd., LLP etc.)	
6.	GST Registration No.	
7.	Permanent Account Number (PAN)	
8.	Revenue for the last 3 years (Year wise)	
9.	Name, Designation and Address of the contact person to whom all references shall be made regarding this RFP	
10.	Telephone number of contact person:	
11.	Mobile number of contact person:	
12.	Fax number of contact person:	
13.	E-mail address of contact person:	
14.	Organisation chart with Name, designation and contact nos. of the management team to be attached	

Please submit the relevant proofs for all the details mentioned above along with your bid response

Authorized Signatory

Name & Designation

Seal



Annexure 1.4 - Consortium Agreement

DRAFT MEMORANDUM OF UNDERSTANDING EXECUTED BY MEMBERS OF THE CONSORTIUM

[On Non-judicial stamp paper duly attested by notary public]

This Memorandum of Understanding (MoU) entered into this day of [Date] [Month] 2018 at [Place] among _____ (hereinafter referred to as "_____") and having office at [Address], India, as Party of the First Part and _____ (hereinafter referred to as "_____") and having office at [Address], as Party of the Second Part.

The parties are individually referred to as Party and collectively as Parties.

WHEREAS DHARAMSHALA SMART CITY LIMITED, has issued a Request for Proposal dated [Date] (RFP) from the applicants interested in "**Construction of Hostel for the Regional Mountaineering Centre at Dharamshala**"

AND WHEREAS the Parties have had discussions for formation of a Consortium for bidding for the said Project and have reached an understanding on the following points with respect to each of the Parties' rights and obligations towards each other and their working relationship.

BASIS THE MUTUAL UNDERSTANDING OF THE PARTIES, IT IS HEREBY AGREED AND DECLARED AS FOLLOWS:

- i. The purpose of this Agreement is to define the principles of collaboration among the Parties to:
 - a. Submit a response jointly to bid for the "**Construction of Hostel for the Regional Mountaineering Centre at Dharamshala**" as a Consortium.
 - b. Sign Contract in case of award.
 - c. Provide and perform the supplies and services which would be ordered by the Authority pursuant to the Contract.
- ii. This Agreement shall not be construed as establishing or giving effect to any legal entity such as, but not limited to, a company, a partnership, etc. It shall relate solely towards the Authority for "**Construction of Hostel for the Regional Mountaineering Centre at Dharamshala**" for and related execution works to be performed pursuant to the Contract and shall not extend to any other activities.
- iii. The Parties shall be jointly and severally responsible and bound towards the Authority for the performance of the works in accordance with the terms and conditions of the RFP document, and Contract.



- iv. ----- (Name of Party) shall act as Lead Member of the Consortium. As such, it shall act as the coordinator of the Party's combined activities and shall carry out the following functions:
 - a. To ensure the technical, commercial and administrative co-ordination of the work package
 - b. To lead the contract negotiations of the work package with the Authority.
 - c. The Lead Member is authorized to receive instructions and incur liabilities for and on behalf of all Parties.
 - d. In case of an award, act as channel of communication between the Authority and the Parties to execute the Contract
- v. That the Parties shall carry out all responsibilities in terms of the Project Agreement.
- vi. That the broad roles and the responsibilities of each Party as per each member's field of expertise at each stage of the bidding shall be as below:

Party A: _____

Party B: _____

- vii. That the proposed administrative arrangements (organization chart) for the management and execution of the Project shall be as follows:
- viii. That the profit and loss sharing ratio shall be _____
- ix. That the Parties agree that all the members of the Consortium shall be jointly and severally liable for all obligations in relation to the Contract until the completion of the Project in accordance with the Contract;
- x. Parties affirm that they shall implement the Project in good faith and shall take all necessary steps to see the Project through expeditiously.
- xi. That this MoU shall be governed in accordance with the laws of India and courts in Himachal Pradesh shall have exclusive jurisdiction to adjudicate disputes arising from the terms herein.

In witness whereof the Parties affirm that the information provided is accurate and true and have caused this MoU duly executed on the date and year above mentioned.

(Party of the first part) (Party of the second part) (Party of the third part)

Witness:



Annexure 2. – Guidelines for Technical Proposal

**Annexure 2.1 - Check-list for the documents to be included in the
Technical Proposal**

S No.	List of Documents	File Name	Submitted (Y/N)	Description
1	Technical bid Covering Letter			Reference No: Date of Letter
2	Project citation report to support that the Bidder* have successfully completed works in last 5 (Five) financial years.			As per Annexure 2.3
3	Project citation report to support the ongoing/ awarded work of the Bidder*.			As per Annexure 2.4
4	Evaluation of the Bid capacity			as per Annexure 2.5
5	Manpower Schedule			As per Annexure 2.6

* Bidder refers to Sole Bidder or either member of the consortium



Annexure 2.2. - Technical Bid Cover Letter

(To be submitted on the Letterhead of the bidder/ lead partner in case of co)

Date: dd/mm/yyyy

To

**MD CUM CEO
DHARAMSHALA SMART CITY LIMITED
Old Himuda Building, Chilgari,
Dharamshala, Himachal Pradesh, 176215**

Sub.: Request for Proposal for "**Construction of Hostel for the Regional Mountaineering Centre at Dharamshala**"

RFP Reference No: XX

Dear Sir/ Ma'am,

Having examined the RFP, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to provide the professional services as required and outlined in the RFP for "**Construction of Hostel for the Regional Mountaineering Centre at Dharamshala**" (hereinafter referred to as "Project").

We attach hereto the technical response as required by the RFP, which constitutes our proposal. We undertake, if our proposal is accepted, to adhere to the implementation plan (Project schedule) for providing Professional Services in "**Construction of Hostel for the Regional Mountaineering Centre at Dharamshala**" put forward in RFP or such adjusted plan as may subsequently be mutually agreed between us and DHARAMSHALA SMART CITY LIMITED or its appointed representatives.

If our proposal is accepted, we will obtain a Performance Bank Guarantee issued by a nationalized bank in India, for a sum of equivalent to 10% of the contract value for the due performance of the contract.

We agree for unconditional acceptance of all the terms and conditions set out in the RFP document and also agree to abide by this tender response for a period of 180 (one hundred and eighty) days from the date of submission of bid and it



shall remain binding upon us with full force and virtue, until within this period a formal contract is prepared and executed, this tender response, together with your written acceptance thereof in your notification of award, shall constitute a binding contract between us and DHARAMSHALA SMART CITY LIMITED.

We confirm that the information contained in this proposal or any part thereof, including its exhibits, schedules, and other documents and instruments delivered or to be delivered to DHARAMSHALA SMART CITY LIMITED is true, accurate, and complete. This proposal includes all information necessary to ensure that the statements therein do not in whole or in part mislead DHARAMSHALA SMART CITY LIMITED as to any material fact.

We agree that you are not bound to accept any tender response you may receive. We also agree that you reserve the right in absolute sense to reject all or any of the products/ services specified in the tender response.

It is hereby confirmed that I/We are entitled to act on behalf of our company/ corporation/ firm/ organization and empowered to sign this document as well as such other documents, which may be required in this connection.

Date:
(Signature)
(Name)
(In the capacity of)
[Seal / Stamp of bidder]
Witness Signature:
Witness Name:
Witness Address:

----- **CERTIFICATE AS TO AUTHORISED SIGNATORIES**

I _____, the Company Secretary of _____, certify that _____ who signed the above bid is authorized to do so and bind the company by authority of its board/ governing body.

Date:
Signature:
(Company Seal) (Name)



Annexure 2.3. – PROJECT CITATION REPORT – COMPLETED WORKS

Statement showing the similar works completed in the last five years.

Sr. No.	Name of Department / Client with Address	Name of work	Estimated cost of work put to Tender	Tendered Amount	Date of award of contract	Completion of work as per contract and date of completion		Actual Amount of work completed	Time limit in year and months		Percentage rate and amount of Penalty	Reasons for delay in completion of work	Remarks
						Target Date	Completion Date		Original	Extended			
						Y M	Y M		Y M	Y M			
1	2	3	4	5	6	7a	7b	8	9a	9b	10	11	12

Note : - (1) Attested Copies of Work Order and Completion Certificates issued by not below the rank of Executive Engineer shall be attached.
 (2) It is mandatory to furnish details in this format only.

Authorized Signatory

Name & Designation

Seal



Annexure 2.4. – PROJECT CITATION REPORT – ONGOING WORKS/AWARDED

Statement showing the similar works completed in the last five years.

Sr. No.	Name of Department / Client with Address	Name of work	Estimated cost of work put to Tender	Tendered Amount	Date of award of contract	Completion of work as per contract and date of completion		Actual Amount of work completed	Time limit in year and months		Percentage rate and amount of Penalty	Reasons for delay In completion of work	Remarks
						Target Date	% Progress		Original	Extended			
						Y M	Y M		Y M	Y M			
1	2	3	4	5	6	7a	7b	8	9a	9b	10	11	12

Note : -(1) Attested Copies of Work Order and Completion Certificates issued by not below the rank of Executive Engineer shall be attached.

(2) It is mandatory to furnish details in this format only.

Authorized Signatory

Name & Designation

Seal



Annexure 2.5 – BID CAPACITY

Bidders who meet the minimum qualification criteria will be qualified only if their available bid capacity is more than the Estimated Amount.

The available bid capacity will be calculated as under:

$$\text{Available Bid Capacity} = A \times N \times 2 - B,$$

Where

'N' = No. of years prescribed for completion of the subject contract.

'A' = Maximum value of works executed in any one year during last Five years (at current price level)[#]

'B' = Value at current price level of existing commitments and ongoing works to be completed in the next 'N' years

[#]Note: The value of executed works shall be brought to current price level by enhancing the actual value of work at simple rate of 7% per annum calculated from the date of completion to the last date of receipt of applications for tender.

Kindly fill the values/ calculations in the format as per table given below:

Name of Department/ Client WithAddress	N = No. of years prescribed for completion of the subject contract	WC = Amount of works completed (Rs.)	Actual Year of Completion of Work	A = Maximum value of works executed in any one year during last Five years (at current price level)	B = Value at current price level of existing commitments and ongoing works to be completed in the next 'N' years	Assessed Available Bid Capacity $A \times N \times 2 - B$
	1.5			$=WC \times (1+7\%)^{(2020-\text{Year of Completion of Work})}$		$=A \times N \times 2 - B$

Available Bid Capacity =

Authorized Signatory

Name & Designation

Seal



Annexure 2.6 – Manpower

Technical and Administrative Manpower proposed to be deployed for the project including the mandatory positions as per Cl. 1.4.6.5

Sl	Name	Designation	Qualification	Experience in similar projects
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Authorized Signatory

Name & Designation
Seal



Annexure 3-Guidelines For Financial Proposal

Annexure 3.1 - Financial Proposal Cover Letter

(To be submitted on the Letterhead of the bidder/ lead partner)

Date: dd/mm/yyyy

To

MD CUM CEO
Dharamshala Smart City Limited
**Old Himuda Building, Chilgari,
Dharamshala - 176215
Himachal Pradesh**

Subject: Bid for “**Construction of Hostel for the Regional Mountaineering Centre at Dharamshala**”

RFP Reference No: XX

Dear Sir,

1. We, the undersigned bidder, having read and examined in detail, the Bidding Document, the receipt of which is hereby duly acknowledged, offer to supply/ work in conformity with the captioned bidding document.
2. We undertake that the prices are in conformity with the specifications prescribed. The quote/ price are inclusive of all cost likely to be incurred for executing this work. The prices are inclusive of all type of government taxes/ duties in the financial bid.
3. We undertake, if our bid is accepted, to deliver the goods and services in accordance with the deliverables schedule specified in section 3.2.1. of the RFP.
4. We undertake to successfully operationalize the Project as per scope of work mentioned in the RFP document.
5. We have examined and have no reservations to the Bidding Documents, including any corrigendum/ addendums issued by DHARAMSHALA SMART CITY LIMITED;



6. We understand that any additional hardware and software required to make the Project operational shall have to be provided by us.
7. We hereby declare that in case the contract is awarded to us, we shall submit the contract performance bank guarantee as prescribed in the RFP.
8. We agree to abide by this bid for a period of 180 days from the last date of bid submission and it shall remain binding upon us and may be accepted at any time before the expiry of that period.
9. Until a formal contract is prepared and executed, this bid, together with your written acceptance thereof and your notification of award shall constitute a binding Contract between us.
10. We hereby declare that our bid is made in good faith, without collusion or fraud and the information contained in the bid is true and correct to the best of our knowledge and belief.
11. We understand that you are not bound to accept the lowest or any bid you may receive. We agree to all the terms and conditions as mentioned in the RFP document and declare that we have not submitted any deviations in this regard.

In witness thereof, we submit this bid under and in accordance with the terms of the RFP document.

Date:

Yours faithfully,

Place:

(Signature of the Authorised signatory)

(Name and designation of the of the Authorised signatory)

Name and seal of bidder/ lead partner



Annexure 3.2 - Financial Proposal Format & Instructions

To be submitted on e-Tendering Portal only (i.e. www.hptenders.gov.in)

RFP Reference No: XX

**"CONSTRUCTION OF HOSTEL FOR THE REGIONAL MOUNTAINEERING CENTRE AT
DHARAMSHALA"**

Sr. No.	Ref.	Item Code	Particulars	Unit	Qty	Rate	Amount
A			CIVIL WORKS				
1	NON SOR		Soil Testing and submission of soil report by recognised soil testing laboratory including recommendation as per specification and instruction of the engineer				
1.01			Soil bearing capacity	LS			-
1.02			Compaction test by sand replacement method	Each	10.00		-
2	NON SOR		Supply and installation of one Mild Steel information sign Board of Project with white background and one for 3D view of proposed building of size 1.00 m x 2.00 m as per drawing and technical specification and direction of Engineer-in-charge				
2.01			Sign Board for project information	Each	1.00		-
2.02			Sign Board for 3D View of Proposed Building	Each	1.00		-
3	HPSR	20160200	Demolition of Rubble stone masonry above G.L. upto any level including stacking of serviceable materials and disposal of un-serviceable materials with all leads and lifts and as per direction of Engineer-in-charge.	Cum	276.00		-
4	HPSR	20050200	Demolition Un-reinforced cement concrete upto 15cm thickness above G.L upto any level including disposal of un-serviceable materials with all lead and lifts and as per direction of Engineer-in-charge.	Cum	12.00		-



RFP for Construction of Hostel for the Regional Mountaineering Centre at Dharamshala



Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
5	HPSR	20330100	Dismantling wood work, wrought framed and fixed in frames other frames and trusses of span upto 10 Metres and height between ridge and floor level upto 5 Metres including stacking the serviceable materials and disposal of un-serviceable materials with all leads and lifts and as per direction of Engineer-in-charge.: -Sectional area average 40 Sq.cm. or over.	Cum	6.00		-
6	HPSR	20280000	Dismantling Cement asbestos celotax/hard board in ceiling or partition walla including frame work such as joist, beam and including stacking of serviceable materials and disposal of un-serviceable materials within all leads and lifts and as per direction of Engineer in-charge-in-charge	sqm	28.00		-
7	HPSR	20250100	Dismantling G.I. Sheet roofing including ridges, hips, valleys, gutters etc. stacking the serviceable materials and disposal of un-serviceable materials with all leads and lifts and as per direction of Engineer-in-charge.	sqm	390.00		-
8	HPSR	20480100	Dismantling doors, windows and clerestory windows, ventilators etc. (wood or steel) shutters including chowkhats, architraves, hold fasts and other attachments etc. complete and stacking them with all leads and lifts and as per direction of Engineer: -Not exceeding 3 Sq.M. in area.	Each	38.00		-
9	HPSR	07110000	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of grith upto 30 cm. measured at a height of 1 metre above ground and removal of rubbish upto all leads and lifts outside the periphery of the area cleared and as per direction of Engineer-in-charge.	Sqm	836.00		-



RFP for Construction of Hostel for the Regional Mountaineering Centre at Dharamshala



Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
10	HPSR	704000	Excavation in foundations, trenches etc., in earth work, lift upto 1.50 Metres stacking the excavated soil not more than 3 metres clear from the edge of the excavation and then returning the stacked soil in 15cm. layers, when required in to plinths sides of foundations etc. consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated earth as directed with all leads and lifts and as per direction of Engineer-in-charge.	cum	865.00		-
11	HPSR	7060200	Excavation in earth work and filling in 15 cm. layers in foundation and plinths including ramming, watering and consolidating upto all leads and lifts and as per direction of Engineer-in-charge.	cum	184.00		-
12	HPSR	0912010A	Providing and laying cement concrete M10 grade and curing complete including cost of form work in:-Foundation and plinth and as per drawing and technical specifications and as directed by Engineer-in-charge	cum	201.00		-
13	HPSR	922010A	Providing and laying cement concrete M15 grade for all levels and curing complete including form work in : Kerbs,Steps and the like and as per drawing and technical specifications and as directed by Engineer-in-charge	cum	20.00		-
14	HPSR	09510000	Providing and laying cement concrete 1:5:10 (1cement :5sand :10 graded stone aggregate 40mm. nominal size) with 15 % plum and curing complete including cost of form work in retaining walls/ Breast walls, the size of plums shall usually be 150mm. to 300mm. complete all as per drawing and technical specifications and as directed by Engineer-in-charge	cum	450.00		-



RFP for Construction of Hostel for the Regional Mountaineering Centre at Dharamshala



Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
15	HPSR ROAD		Providing weep holes in Brick masonry/Plain/ Reinforced concrete abutment, wing wall/ return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V :20H towards drawing face. complete as per drawing and Technical Specifications	nos	225.00		-
16	HPSR ROAD		Providing and laying of Filter media with granular materials/stone crushed aggregates satisfying the requirements laid down in clause 2504.2.2. of MoRTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and Technical Specification.	cum	150.00		-
17	HPSR ROAD		Back filling behind abutment, wing wall and return wall complete all as per drawing and technical specifications and as directed by Engineer-in-charge	cum	300.00		-
18	HPSR	095201000	Providing and laying cement concrete M20 grade and curing complete including cost of form work but excluding reinforcement for Reinforced concrete work in:- Foundation footings bases of columns and the like and mass concrete complete all as per drawing and technical specifications and as directed by Engineer-in-charge	cum	147.00		-



Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
19	HPSR	14480000	Providing and laying four courses water proofing treatment with bitumen felt over Toilet floor/ water tank floor etc. consisting of first and third courses of blow or / and residual bitumen applied hot at 1.45 kg per sq .m of area for each course second course of roofing felt type 3 grade 1 (hessian base self finished bitumen felt) and fourth and final course of stone grit 6 mm and down size or pea sized gravel spread at 6 cu.dm or 0.006 cu.m) per sq.m.welding preperation of surface excluding grading complete	Sqm	113.00		-
20	NON SOR		Providing and fixing PVC Water stopper 230 mm wide for construction joint of RCC water tank complete all as per technical specifications and as directed by Engineer-in-charge	Rmt.	25.00		-
21	HPSR	11070205	Square rubble masonry coursed with hard stone of approved quality in foundation and plinth in Retaining walls/Breast walls including rakingout joints in:- Cement Mortar 1:4(1Cement:4 Sand) complete all as per drawing and technical specifications and as directed by Engineer-in-charge	cum	35.00		-
22	HPSR	09320200	Providing and laying cement concrete M20 grade and curing complete including cost of form work but excluding reinforcement :-Lintels, beams girders bressumers and cantilevers upto any level complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	cum	89.00		-



Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
23	HPSR	09320300	Providing and laying cement concrete M20 grade and curing complete including cost of form work but excluding reinforcement:- Column, pillars, posts and struts upto any level complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	cum	60.00		-
24	HPSR	09320100	Providing and laying cement concrete M20 grade and curing complete including cost of form work but excluding reinforcement for reinforced concrete work in:- Wall (any thickness but not less than 0.1 m thickness) attached pilasters, buttresses, plinth and string courses etc. upto any level complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	cum	16.00		-
25	HPSR	9520200	Providing and laying cement concrete M20 grade and curing complete including cost of form work but excluding reinforcement for Reinforced concrete work in:- Suspended floors roofs, landings and shelves and their supports, balconies, beams, girders, bressumers and cantilevers upto any level complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	cum	121.00		-
26	HPSR	095203000	Providing and laying cement concrete M20 grade and curing complete including cost of form work but excluding reinforcement for Reinforced concrete work in:- Stair cases (except spiral stair case) excluding landing but including preparing of the surface and finishing of nosing upto any level complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	cum	6.00		-



RFP for Construction of Hostel for the Regional Mountaineering Centre at Dharamshala



Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
27	HPSR	0928000A	Providing and laying damp proof course 50mm thick with cement concrete M15 grade and curing complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Sqm	48.00		-
28	HPSR	941000	Providing mild steel/Tor steel reinforcement for R.C.C. work including bending, binding and placing in position complete upto any level complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	kg	64620.00		-
29	HPSR	10020102	1st Brick work using common burnt clay building bricks in Super-structure above plinth level upto any level with Cement Mortar 1:4 (1 cement:4 sand) complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	cum	190.00		-
30	HPSR	10040202	1st class Half brick masonry in common burnt clay building bricks with cement mortar (1 cement : 3 Sand) complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Sqm	800.00		-
31	HPSR	12001040	Providing woodwork in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position:-2nd class deodar wood complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	cum	2.00		-
32	HPSR	120050404	Providing and fixing panelled glazed or panelled and glazed shutters for doors windows and clerestory windows. including black enamelled iron butt hinges with necessary screws:-2nd Class Deodar wood complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	sqm	21.00		-



RFP for Construction of Hostel for the Regional Mountaineering Centre at Dharamshala



Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
33	HPSR	12010000	Providing and fixing flush door shutters interior grade, commercial type, core of block board construction with frame of first class hard wood and well matched commercial ply veneering with vertical grains of cross bands and face veneers on both faces of shutters.: -35mm thick including black enamelled M.S.butt hinges complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Sqm	91.00		-
34	HPSR	161060000	Polishing two coats with malamine polish of required shade on new wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	sqm	263.00		-



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
35	NON SOR		Providing and fixing aluminium 2 track Sliding window and ventilator including 4 mm toughened clear glass with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS 1285 anodised transparent or dyed to required shade according to IS 1868. (Minimum anodic coating of grade AC 15) fixed with rawlplugs and screws or with fixing clips, or with expansion hold fastners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rustfree, straight, mitred and jointed mechanically where ever required including cleat angle, aluminium, snap beading for glazing/panelling C.P. brass/stainless steel screws. All complete as per architectural drawings and the directions of Engineer-In-Charge.	Sqm	118.00		-



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
36	NON SOR		Providing and fixing aluminium fixed/curtain window including 5 mm toughened clear glass with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS 1285 anodised transparent or dyed to required shade according to IS 1868. (Minimum anodic coating of grade AC 15) fixed with rawlplugs and screws or with fixing clips, or with expansion hold fastners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rustfree, straight, mitred and jointed mechanically where ever required including cleat angle, aluminium, snap beading for glazing/panelling C.P. brass/stainless steel screws. All complete as per architectural drawings and the directions of Engineer-In-Charge.	Sqm	140.00		-
37	HPSR	121760302	Providing and fixing glazing using 5mm thick glass in front door shutters with PVC/neoprene gasket including cost of aluminium snap beading, etc. complete as per the architectural drawings :- Glazing with toughened glass panes of 5mm thickness (weight not less than 13.75 kg/sqm complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Sqm	10.00		-
38	HPSR	12140100	Providing and fixing M.S. pressed but hinges with necessary screws. (Copper oxidised) 125 x 65 x 2.12mm complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Each	200.00		-



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
39	HPSR	12111000	Providing fixing bright finished brass tower bolts (barrel type) with screws etc. complete all as per drawing and technical specifications and as directed by Engineer-in-charge.				
39.01			250x10mm	Each	60.00		-
39.02			100x10mm	Each	60.00		-
40	HPSR	12116000	Providing and fixing bright finished brass 100mm. Mortice latch and lock with levers, handles, necessary screws etc.(indian make of approved quality) complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Each	47.00		-
41	HPSR	17044010	6mm Cement plaster to ceiling:-In Cement mortar 1:3 (1 Cement : 3 Sand) complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Sqm	788.00		-
42	HPSR	17047040	15mm Cement plaster in single coat on the rough side of brick/ concrete/stone walls for interior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.- Cement Mortar 1:6 (1Cement:6 Sand) complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Sqm	2884.00		-
43	HPSR	17048040	15mm Cement plaster in single coat on the fair side of brick/ concrete/stone walls for exterior plastering upto floor two level including arrises,internal rounded angles,chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth.- Cement Mortar 1:6 complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Sqm	1398.00		-



Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
44	DSR 2016	8.12	Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge : a. Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Sqm	111.00		-
45	HPSR	13570000	Providing and laying granite stone in flooring 20mm(average)thickness base of cement mortar 1:3(1cement: 3 sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of granite stone i/c rubbing and polishing complete. 20mm.thick complete on common area floors, skirting, staircases, etc., all as per drawing and technical specifications and as directed by Engineer-in-charge.	Sqm	342.00		-
46	DSR 2016	8.3.2	Providing edge moulding and grooves to 18 mm thick marble stone/Granite for stair case treads, counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge	Rmt.	300.00		-



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
47	HPSR	13540000	Kota stone slab flooring 20 mm (average) thick base of cement mortar 1:4 (1 cement :4 sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab. including rubbing and polishing complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Sqm	64.00		-
48	HPSR	13230000	Providing and laying ceramic glazed tiles 6 mm thick in on toilet walls with 12 mm thick cement mortar 1:3 (1 cement :3 sand) and jointed with cement slurry complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Sqm	421.00		-
49	HPSR	13600000	Providing and laying spartic ceramic tiles 5.5mm.thick in flooring (300 x300mm. size) on toilet floor laid on a bed of 12mm. thick cement mortar 1:3(1cement: 3 sand) finished with flush pointing in white cement complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Sqm	116.00		-
50	Based HPSR on item	NON SOR	Providing and laying Matt finish ceramic tiles min 6 mm thick for walls along staircase(300 mm x450 mm size) laid on a bed of 12mm. thick cement mortar 1:3(1cement: 3 sand) finished with flush pointing in white cement complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Sqm	90.00		-



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
51	Based on HPSR item no 132300	NON SOR	Providing and laying stone kraft elevation/wall tile min 6 mm thick and size of tile 30x60 cm for external walls with 12 mm thick cement mortar 1:3 (1 cement :3 sand) and jointed with cement slurry complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	sqm	925.00		-
52	HPSR	1368000	Providing and fixing 10mm thick water proof stain and impact resistant heavy duty vetrified tiles Kajaria/Nitco or equivalent 600 mm x 600 mm x10mm manufactured of approved shade and colour in flooring and skirting laid over 12mm thick cement mortar 1:3 (1 cement : 3 sand) jointed with cement slurry mixed with pigment to match the shade of tiles as required complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Sqm	665.00		-
53	HPSR	137102000	Providing and laying heavy duty precast cement concrete interlocking paver blocks vibro compacted upto M-50 grade i/c border or kurb block grey or coloured over sub-base of concrete with 25mm thick average thickness of cement mortar 1:4 (1 cement : 4 sand) laid over and jointed with neat cement slurry mixed with pigment to match the shade of blocks i/c curing rubbing & polishing complete (Sub base concrete floor to be paid for separately) : 60mm thick precast interlocking blocks complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Sqm	850.00		-



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
54	HPSR	146200000	Providing and fixing polycarbonate transparent sheet 3mm thick in roofing with galvanised bolts / screws, etc with washer complete with all accessories as required and as per drawing and technical specification and as per direction of Engineer-in-Charge.	Sqm	70.00		-
55	HPSR	16070000	Applying priming with cement primer coat on new concrete / masonry / asbestos cement / plastered surfaces after and including preparing the surface by thoroughly cleaning oil,grease,dirt and other foreign matter and sand papering as required with :- Readymixed Cement Primer complete all as per drawing and technical specification and as directed by Engineer-in-charge.	sqm	4170.00		-
56	HPSR	161050000	Wall painting (two coats) with acrylic emulsion paint of approved brand and manufacture for interior grade on undecorated concrete /stone /plastered wall surfaces to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth including applying putty as required for metling the surface complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Sqm	3672.00		-
57	HPSR	161040000	Finishing wall with weather proof exterior grade emulsion of approved make (Apexultima) or its equivalent on undecorated wall surfaces (two coats) to give an even shade and final finish after thoroughly cleaning the surface to remove all dirt, dust and other foreign matter etc including sand paper smooth complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Sqm	498.00		-



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
58	DSR 2016	10.28	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab of staircase with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners, wastage, etc.) complete all as per drawing and technical specification and as directed by Engineer-in-charge.	kg	2085.00		-
59	HPSR	15040100	Steel work in built up sections in trusses and framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint:-In Trusses, beams, joists channels, angles, tee, flats with connection plates or angle cleats as in main and cross beams, hip and jack rafters, purlins connected to common rafters and the like complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Qtl	258.00		-
60	HPSR	150204000	Steel work in single sections including cutting, hoisting, fixing in position and applying a priming coat of red lead paint:-In grating, Framed guards, bars, ladders railings, brackets & similar works complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Qtl	1.00		-



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
61	HPSR	16011020	Painting two coats (excluding priming coat) on new steel and other metal surface under coat with ready mixed paint to give an even shade including cleaning the foreign matter :-With readymixed paint other than white	Sqm	894.00		-
62	HPSR	14550000	Providing and fixing 0.60mm thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyster (RNP) organic coating of 20 microns over 5 microns primer coating to back coat of polyster of 5 microns over 5 microns primer coating i/c fixing with prepainted iron J or L hooks, bolts and nuts 6mm dia metre with prepainted limpet and rubber washers complete with all accesoriees as required and as per drawing and technical specifcation and as per the direction of Engineer-in-charge.	Sqm	685.00		-
63	HPSR	14560000	Providing and fixing ridges or hips 60 cm overall with 0.60mm thick prepainted steel sheets in roofing with hot dipped metallic zinc coated sheets with top coat of regular modified polyster organic coating of 20 microns over 5 microns primer coating + back coat of polyster of 5 microns over 5 microns primer coating i/c fixing with prepainted iron J or L hooks, bolts & nuts 6mm dia & prepainted G.I. limpet and bitumen washers complete with all accessories as required as per the direction of Engineer in Charges.	Rmt.	88.00		-



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
64	HPSR	1457000	Providing and fixing valley 60 cm overall 0.60mm thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester organic coating of back coat of polyester of 5 microns over 5 microns primer coating i/c fixing with prepainted iron J or L hooks, bolts and nuts 6mm dia with prepainted G.I. limpet and bitumen washers complete with all accessories as required as per the direction of Engineer-in-charge.	Rmt.	22.00		-
65	HPSR	1461000	Providing and fixing M.S. BP Sheet 1.66mm to 20mm thick in eaves board/facia/soffits/ceiling including cutting, fixing and welding to steel roof members and applying a coat of red lead primer complete as per the instruction of Engineer-in-charge (Base members of steel work shall be measured & paid separately) complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Sqm	48.00		-
66	DSR 2016	12.52.2	GI Metal Ceiling Lay in perforated Tegular edge global white color tiles of size 595x595 mm and 0.5 mm thick with 8 mm drop; made of GI sheet having galvanizing of 100 gms/ sqm (both sides inclusive) and 20% perforation area with 1.8 mm dia holes and having NRC (Noise Reduction Coefficient) of 0.5, electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation, and backed with a black Glass fiber acoustical fleece complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Sqm	198.00		-
67	DSR 2016	26.22.1	Providing and fixing false ceiling at all heights with integral densified calcium silicate reinforced with	Sqm	340.00		-



Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
			<p>fibre and natural filler false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Non combustible as per BS:476 (part-4), fire performance as per BS:476 (part 6 &7), humidity resistance of 100%, thermal conductivity < 0.043 W/m K as per ASTM 518:1991, in true horizontal level suspended on inter- locking metal T-Grid of hot dipped galvanised iron section of 0.33mm thick (galvanized @ 120 grams per sqm including both sides) comprising of main- T runners of size 24x38 mm of length 3000 mm, cross - T of size 24x32 mm of length 1200 mm and secondary intermediate cross-T of size 24x32 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x25x2 mm. Galvanised iron perimeter wall angle of size 24x24x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall S.S screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge.-With 15 mm thick tegular edged light weight calcium silicate false ceiling tiles complete all as per drawing and technical specifications and as directed by</p>				



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
			Engineer-in-charge.				
68	HPSR	19020000	Providing plinth protection 50mm thick in cement concrete 1:3:6 (1 Cement : 3 Sand : 6 Graded stone aggregated 20mm nominal size) complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Sqm	66.00		-
69	NON SOR		Supplying and installation personal locker size of 900(W) x 400(D) x 1850 (H) mm Model : Glove complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Set	36.00		-
70	NON SOR		Supply and installation of 2 pieces of Curtain drapes (good quality) for each window including 25 mm dia SS Curtain Rod which can hold up to 10 kg complete all accessories like wall bracket, decorative cap on either end including required screws and other accessories related to this work complete all as per drawing and technical specification and as directed by Engineer-in-charge.	sets	55.00		-
71	HPSR 2009	12113000	Providing and fixing bright finished brass handles with screws etc. complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Nos	9.00		-
72	HPSR 2009	12131000	Providing and fixing 65x35mm.special quality bright finished brass cup board locks or wardrobe locks with six levers including necessary screws etc. (Indian make of approved quality) complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Nos	6.00		-



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
73	HPSR 2009	12173000	P/F 12 mm thick prelaminate board both side bwp phenol bonded exterior/interior grade shutters with frame of 2nd class deodar wood for cup board including nickel plated bright finished piano hinges 25mm thick frame complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Sqm	6.00		-
74	NON SOR		Supply and installation of Solid Wood Lecture stand of size 700X450X1180mm including painting acomplete all as per drawing and technical specification and as directed by Engineer-in-charge.	Nos	1.00		-
75	NON SOR		Supply and installation of Training room chairs with Writing pad, cushioned seat and backrest of make Godrej or equivalent, complete as approved by Engineer-in-charge.	Nos	30.00		-
76	NON SOR		Supply and installation of Conference Hall Table of Size 1.80 m long and 1.2 m wide of make Godrej or equivalent complete all as approved by Engineer-in-charge.	Nos	3.00		-
77	NON SOR		Supply and installation of executive chairs for Conference Hall with cushioned seat and mesh back rest and stainless steel support with rollers of make Godrej or equivalent complete all per as approved by Engineer-in-Charge	Nos	15.00		-
78	NON SOR		Supply and installation of Interactive Smart White board Model SB-480 78" Diagonal active interactive surface with pen and finger touch options DVIT technology complete all as per technical specification and as directed by Engineer-in-charge.	Nos	2.00		-



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
79	NON SOR		Supply and installation short throw projector Benq or equivalent Blu-ray full HD 3D NVIDIA 3DTV support, support HDMI 1.4a mandatory 3D formats 1080P 2200 lumen, short throw W1050 maximizes thrills in minimum space by projective a massive 100" image at a 3 mtere complete all as per technical specification and as directed by Engineer-in-charge	Nos	2.00		-
80	HPSR WS &SI	3.116	Providing and fixing high pressure PVC Spigot and Socket, waste and ventilating pipe ISI Marked including all bends, sockets, branches and clamp etc. and including fixing with approved adhesive complete all as per drawing and technical specifications and as directed by Engineer-in-charge.				
80.01			PVC Pipe 110 mm dia	Rmt.	165.00		-
80.02			PVC Pipe 75 mm dia	Rmt.	160.00		-
81	HPSR WS &SI	3.116	Providing and fixing high pressure 150 mm dia PVC Spigot and Socket, waste and ventilating pipe ISI Marked including excavation for pipe and refilling the trench and including fixing with approved adhesive complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Rmt.	88.00		
82	HPSR WS &SI	3.115	Providing and fixing PVC floor trap 110x75 mm dia ISI Marked of self cleaning design including fixing with approved adhesive, cost of cutting amd making good the walls and floor etc. complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Each	77.00		-



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
83	NON SOR	Based on DSR item no 19.4	Providing and fixing square-mouth PVC gully trap complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Each	11.00		-
84	DSR 2016	19.7.1.1	Constructing brick masonry manhole in cement mortar 1:4 with R.C.C. top slab with M20 concrete, foundation concrete M10, inside plastering 12 mm thick with cement mortar 1:3 finished with floating coat of neat cement and making channels in cement concrete M20 finished with a floating coat of neat cement complete as per standard design and technical specification and as per directed by Engineer-in-charge : Inside size 90x80 cm and 45 to 120 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg)	Each	17.00		
85	DSR 2016	17.5	Providing and fixing white vitreous china flat back small stall urinal of size 26.5 x 31.5 x 44 cm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required :- Range of three half small urinals with 10 litre P.V.C. automatic flushing cistern	Each	4.00		-



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
86	DSR 2016	17.78	Providing and fixing white vitreous china extended wall mounting water closet of size 790x370x690 mm of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/ 6 litre (adjustable to 4 litre/ 8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Each	26.00		-
87	DSR 2016	Based on DSR 17.16A	Providing and fixing Health faucet ABS with rubbit cleaning system, flexible tube upto 1.25 mtr. long PVC Flexible tube & ABS wall hook to extended wall mounted type W.C. of quality and make as approved by Engineer - in - charge.	Each	26.00		-
88	NON SOR	Based on DSR 17.7	Providing and fixing Oval Shape wash basin on R.C.C Slab, including 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, and making good the walls wherever require:-White Vitreous China oval shape Wash basin size 540x410 mm with 15 mm C.P. brass pillar taps complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Each	25.00		-
89	DSR	17.10.2.1	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink without drain board of size 610x510 mm bowl depth 200 mm as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Each	1.00		-



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
90	DSR 2016	17.28.2.1	Providing and fixing 32 mm dia P.V.C. Flexible pipe waste pipe for sink or wash basin including:-P.V.C. waste fittings complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Each	26.00		-
91	DSR 2016	18.9.4	Providing and fixing 32mm dia nominal outer dia Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Rmt.	76.00		-
92	DSR	18.7.3	Providing and fixing 25 mm dia nominal outer dia Chlorinated Polyvinyl Chloride (CPVC) pipes for Internal work - Exposed on wall, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Rmt.	200.00		-



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
93	DSR 2016	18.8.2	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge:- Concealed work, including cutting chases and making good the walls etc. 20 mm nominal outer dia Pipes	Rmt.	200.00		-
94	DSR 2016	18.9.6	Providing and fixing 50 mm dia Chlorinated Polyvinyl Chloride (CPVC) pipes for external work, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Rmt.	55.00		-
95	DSR 2016	18.21	Providing and fixing uplasticised 45 cm long PVC connection pipe with brass unions complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Each	99.00		-
96	DSR 2016	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Each	29.00		-



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
97	DSR 2016	18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Each	181.00		-
98	NON SOR	Based on DSR 18.5	Providing and fixing C.P. brass Wall mixer tap of approved quality conforming to IS standards.:-15 mm nominal Bore complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Each	25.00		-
99	HPSR WS & SI	3.59	Providing and fixing C.P Brss overhead shower with shower arm and wall flange C.P.brass for 15 to 20 mm inlet complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Each	25.00		-
100	DSR 2016	18.48	Providing and placing on terrace (top floor level) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	per liter.	6000.00		-
101	HPSR WS & SI	3.52	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Each	22.00		-



RFP for Construction of Hostel for the Regional Mountaineering Centre at Dharamshala



Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
102	HPSR WS &SI	3.53	Providing and fixing C.P. Brass 600x20mm Towel rail complete with C.P. Brass brackets fixed to wooden plugs with C.P. Brass screws complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Each	30.00		-
103	HPSR WS &SI	3.54	Providing and fixing 600mm x 120 mm glass shelf with C.P. Brass bracket and guard rail complete, fixed to wooden plugs with C.P. Brass screws complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Each	30.00		-
104	HPSR WS &SI	3.57	Providing and fixing chromium plated brass soap dish with C.P. Brass brackets fixed to wooden cleats with C.P. Brass screws complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Each	30.00		-
105	DSR 2016	18.17.1 A	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) complete all as per drawing and technical specifications and as directed by Engineer-in-charge.				
105.01			32 mm nominal bore	Each	5.00		-
105.02			25 mm nominal bore	Each	5.00		-
106	NON SOR	Ref. to DSR 2016 item no 18.17	Providing and fixing 50 mm Nominal bore CPVC Ball valve with of approved quality complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	each	5.00		-



RFP for Construction of Hostel for the Regional Mountaineering Centre at Dharamshala



Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
107	DSR 2016	19.21	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete M20 cement plastered on both sides with cement mortar 1:3, finished with a floating coat of neat cement and making necessary channels for the drain etc. complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Each	1.00		-
108			Providing Grass Cover including development of left out area by carrying out landscaping including trenching in ordinary soil, filling with good earth/ garden soil, mixing with sludge, manure from approved sources, rough dressing, fine dressing, spreading sludge dump manure, mixing sludge in proportion specified, grassing with 'Doob' grass including watering and maintenance of the Lawn for 30 days or more till the grass from a thick lawn free from weeds including the cost of Doob grass in rows 5 cm including carriage of material in all leads and lifts as per the direction of Engineer- In charge.	sqm	237.00		-
109			Providing and laying 50mm thick local flagstone in flooring over base of cement concrete complete as per drawing and design including carriage of material upto all leads and lifts and as per direction of Engineer incharge.	sqm	184.00		-
110	HPSR	13560000	Providing and laying 50mm thick local flagstone in risers of stairs over base of cement concrete complete as per drawing and design including carriage of material upto all leads and lifts and as per direction of Engineer incharge.	sqm	24.00		-



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
111			Providing and fixing 0.5HP water fountain & waterfall arrangement as per drawing with all plumbing and electrical work, Lighting, pump for circulation of water as per the directions and model approved by the Engineer In charge. (Civil works shall be measured seperately)	Each	1.00		-
112			Providing and fixing C.I. (Cast iron benches of approved design and specifications). Stand/legs made up of decorative cast iron material for mounting, 15inches in width and weighing approximately 85kg complete including the cost towards loading/ unloading transportation fixing if applicable at site complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Each	4.00		-
113			Supplying and fixing FRP dustbins with separate sections for Biodegradable and Non Biodegradable garbage complete including the cost towards loading/ unloading transportation fixing if applicable at site complete all as per drawing and technical specifications and as directed by Engineer-in-charge.	Each	1.00		-
114			Supply & Plantation of selected specimen plants including mortality replacement, loading- unloading, transportation and maintenance for 30 days after planting the plants including carriage & all leads and lifts of materials and as per directed by engineer:-Caryota Palm 10'-12'	Each	16.00		-
115			Providing and Fixing Cast Iron Decorative Gate as per Drawing	Each	1.00		-
B			ELECTRICAL WORKS				



RFP for Construction of Hostel for the Regional Mountaineering Centre at Dharamshala



Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
116	HPSR 2009		Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRS/PVC insulated single core copper conductor cable as required complete all as per drawing and technical specification and as directed by Engineer-in-charge.				
116.01		107	Light Point - Group A	Point	131.00		-
116.02		107	Ceiling Fan Point - Group A	Point	42.00		-
116.03		107	Exhaust fan point - Group A	Point	28.00		-
117	HPSR 2009	110	Wiring for twin control light point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with 2-way, 5/6 amps. modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRS/PVC insulated single core copper conductor cable as required:- Group A complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Point	6.00		-
118	HPSR 2009	927	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required. complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Each	27.00		-



RFP for Construction of Hostel for the Regional Mountaineering Centre at Dharamshala



Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
119	HPSR 2009		Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required.				-
119.01		909	S.P. 5/ 6 Amps one way Modular switch.	Each	62.00		-
119.02		911	5 pin, 5/ 6 Amps Modular socket outlet.	Each	62.00		-
120	HPSR 2009	928	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required. complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Each	78.00		-
121	HPSR 2009	113	Wiring for light/plug with 2x1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.1.5 Sq.mm. HRFR/PVC insulated single core copper conductor cable for earthing as required complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Meter	900.00		-
122	HPSR 2009	114	Wiring for power plug with 2x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.4 Sq.mm. HRFR/PVC insulated single core copper conductor cable for earthing as required complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Meter	350.00		-



RFP for Construction of Hostel for the Regional Mountaineering Centre at Dharamshala



Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
123	HPSR 2009	115	Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.4 Sq.mm. HRFR/PVC insulated single core copper conductor cable for earthing as required.	Meter	300.00		-
124	HPSR 2009	932	Supplying and fixing brass batten/angle holder including connections etc. as required complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Each	27.00		-
125	HPSR 2009	929	Supplying and fixing ceiling rose on the existing junction box / wooden block including connections etc. as required complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Each	207.00		-
126	NON SOR	A.R.	Providing and fixing Box type, 1200mm straight linear LED tubelight suitable for 18 watt LED Tubelight , complete with all accessories, connections, testing and commissioning etc. as required complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Each	89.00		-
127	NON SOR	A.R.	Providing and fixing of LED Bulb Retrofit range in the existing fitting, complete with all accessories, connections, testing and commissioning etc. as required. as required:-LED Bulb 9 Watt pin type complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Each	27.00		-



RFP for Construction of Hostel for the Regional Mountaineering Centre at Dharamshala



Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
128	NON SOR	A.R.	Providing and fixing of ceiling fitting led light 600 mm x 600 mm , as required:-36 Watt LED ceiling fitting Cat-A. complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Each	21.00		-
129	HPSR 2009	2501	Providing, Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc.ISI Marked, with 4 or 5 * star rating approved from BEE, testing and commissioning as required:- Ceiling Fan 1200 mm sweep, Category-A complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Each	42.00		-
130	HPSR 2009	2504	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required:- Exhaust Fan, Light duty, (Domestic) 300 mm sweep complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Each	28.00		-



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
131	HPSR 2009	2407	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of Expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of Non-return valve, Dead weight safety valve, 2 No C.P. connection rods 18" long, making good the damages, electrical connections, safety valve connections, ISI Marked, with 4 or 5 * star rating approved from BEE, testing and commissioning as required as required:- 35 Liter capacity water heater (Cat-A) complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Each	23.00		-
132	NON SOR		Providing, Installation, testing and commissioning of 40watts LED street lighting luminaires, with deep drawn CR Steel body, power coated, clear acrylic cover, aluminium reflector and accessories, including street light bracket made of 32 mm dia. G.I. pipe 'A' heavy class of suitable length and dia, the pipe bended to give a beam angle of 100 to 110 degree fitted with bolt & nuts at the top of existing pole or wall including painting the pipe with two coats of approved paint over priming coats required complete all as per drawing and technical specification and as per direction of Engineer-in-charge.	Each	6.00		-
133	NON SOR		Providing, Installation, testing and commissioning of 8 watts LED landscape bollard with 1 mtr. height including all required accessories complete all as per drawing and technical specification and as directed by Engineer-in-charge	Each	43.00		-



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
134	HPSR 2009	2816	Supplying and fixing of integral CFL Post Top Lantern of following capacity, cast aluminium spigot, spun aluminium canopy, opal acrylic diffuser, complete with all accessories but excluding CFL lamp including making connections, testing etc. as required. :-Gate post top lantern - CFL 26 watt complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Each	2.00		-
135	NON SOR	A.R.	Supplying and fixing of Acrylic TM Eventz Backlit LED Sign Board, size- H 2.46 ft x L 17.06 ft, Shape: Rectangle and Logo in complete with Name of Institution lit with Led light & all accessories including making connections, testing etc. as required.	Sqm	5.00		-
136	HPSR 2009	116	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required.:-2x1.5 Sq. mm complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Meter	500.00		-
137	HPSR 2009	431	PVC insulated HRFR LS Copper conductor 10 Sq. mm.:-3 x 10 Sq. mm complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Meter	10.00		-



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
138	HPSR 2009	2249	Providing and laying of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade direct in ground; to be laid 1 meter below the ground level including excavation sand cushioning, protective covering and refilling the trench etc. of the required size:-Armoured cable 95 sq. mm (3.5 core) complete all as per drawing and technical specification and as directed by Engineer-in-charge.	R.Mtr.	40.00		-
139	HPSR 2009	2247	Providing, laying and fixing of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade on surface etc. of the required size:-Armoured cable 50 sq. mm (3.5 core) complete all as per drawing and technical specification and as directed by Engineer-in-charge.	R.Mtr.	24.00		-
140	DSR 2018	4.1.3	Supplying and installing following size of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required:-200 mm width X 50 mm depth X 1.6 mm thickness complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Meter	24.00		-



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
141	HPSR 2009	2201	Providing and laying of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade direct in ground; to be laid 1 meter below the ground level including excavation sand cushioning, protective covering and refilling the trench etc. of the required size:- Armoured cable 4 sq. mm (three / twin- core) complete all as per drawing and technical specification and as directed by Engineer-in-charge.	R.Mtr.	220.00		-
142	HPSR 2009	503	Supplying and fixing 32 mm dia PVC conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Meter	450.00		-
143	HPSR 2009		Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required complete all as per drawing and technical specification and as directed by Engineer-in-charge.				
143.01		1701	Single pole. Cat-A.	Each	72.00		-
143.02		1705	Double pole. Cat-A.	Each	14.00		-



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
144	HPSR 2009	1801	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus- bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:- for street lighting:-Single door-4 way	Each	1.00		-
145	HPSR 2009	1817	Supplying and fixing of following way triple pole and neutral, sheet steel MCB distribution board, 415 volts, on surface / recess, with provision for 4-pole MCB/Isolator/RCCB/RCBO as incomer and SP MCBs as outgoing, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:-Double door-8 way (8+24),horizontal type complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Each	4.00		-
146	HPSR 2009	1722	Supplying and fixing following rating, four pole, 415 volts, Isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. :- 63 Amps. Cat-A.	Each	10.00		-
147	HPSR 2009	1736	Supplying and fixing following rating, four pole (three phase & neutral) 415 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 miliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required.:-63 Amps. Cat-A.	Each	4.00		-



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
148	HPSR 2009	1605	Providing and fixing following rating and breaking capacity MCCB in the existing cubical panel board including drilling holes in the cubicle panel, making connections, etc. as required.: -200 Amp. -16 KA	Each	1.00		-
149	HPSR 2009	1012	Supplying and erection of following depth sheet metal cubical pedestal of suitable dimensions(900mm x 1000mm x300)with plus-minus 5 cm variation, made from 1.6 mm thick M.S. sheet duly fabricated in a segregated manner for housing of switch fuse units, by welding each compartment on five sides & front side hinged, complete with locking arrangement, with sufficient No. vertical and horizontal intermediate switchgear housing compartments. The cubical pedestal shall have cable entry box at one or two sides, with epoxy powder coated approved paint and bonding to the existing earth etc. The same shall be erected in the 1:2:4 cement concrete plat-form of suitable dimensions 15 cm high from ground level and 45 cm thick. The cubical pedestal shall be 15 cm from the top of cement concrete plat-form:-300 mm deep (nominal) complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Sq. mtr. of face area	2.00		-
150	HPSR 2009	1303	Supplying and fixing Aluminum alloy or wrought aluminium strip bus-bars, suitable for 200 Amp. 415 volts capacity 4 No. each of cross-sectional area (38mmx6mm), in the existing enclosure or cubical panel with all accessories including connections etc. as required:-	Per/mtr.	1.00		-
151	NON SOR	A.R	Supplying and fixing of Digital Ammeter and Volt Meter Suitable For Control panel Box.	Set	1.00		-



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
152	NON SOR	A.R	Supplying and fixing of R,Y, B Indicators For Control panel Box.	Set	1.00		-
153	HPSR 2009	1901	Earthing with G.I earth pipe 4.5 mtr. long and 40mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc.(but without charcoal or coke and salt) complete as required complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Set	2.00		-
154	HPSR 2009	1902	Extra for using salt and charcoal for pipe earth electrode complete as required complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Set	2.00		-
155	HPSR 2009	1914	Providing and laying earth connections from earth electrode with 6 SWG G.I. Wire in 15 mm dia. G.I. pipe from earth electrode etc. as required complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Meter	15.00		-
156	HPSR 2009	1910	Supplying and laying 25mmx5mm G.I. strip at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Meter	24.00		-
157	NON SOR		3-Phase Bidirectional Smart Energy Meter with CT/ PT unit mounted in side waterprof meter box complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Each	1.00		-



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
158	CPWD		Supplying, installation, testing and commissioning of Grid interactive roof top solar photo voltaic power generation system including solar energy meter (unidirectional) & space frame complete all as per drawing and technical specification and as directed by Engineer-in-charge.	Kwp	20.00		-
C			FIRE FIGHTING WORKS				
159	NON SOR		Supply, installation, testing and commissioning Open Well Submersible Pump model KOS-325, 65 x 50MM, Three Phase, 2900 RPM suitable for 6.9 LPS at 20 mtrs head complete all as per technical specification and direction of Engineer-in-charge	each	1.00		-
160	DSR 2019	7	Providing, laying, testing & commissioning of 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including Welding, fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp /support frame and painting with two or more coats of synthetic enamel paint of required shade complete as required as per drawing and technical specification and as directed by Engineer-in-charge	Rmt.	30.00		-



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
161	DSR 2019	17.1	Supplying and fixing 30 meter first-aid Hose Reel with MS construction spray painted in post office box red, conforming to IS 884 complete with the following as required. 20 mm nominal internal dia water hose thermoplastic (Textile reinforced) type -2 as per IS: 12585 20 mm nominal internal dia gun metal globe valve & nozzle. Drum and brackets for fixing the equipments on wall. Connections from riser with 25 mm dia stop gun metal valve & M.S. Pipe and socket complete as required as per drawing and technical specification and as directed by Engineer-in-charge	each	4.00		-
162	NON SOR		Supply and installation CO2 fire extinguisher 4.5 kg capacity ISI marked confirming to IS:15683 operating temperature -30°C to 55°C for class 8B type of fire fitted with PVC bend horn complete in all respect and B & C class fire-inflammable liquids, gaseous fire like L.P.G and acetylene and electrical fires complete all as per technical specification and direction of Engineer-in-charge	each	7.00		-



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Sr. No.	Ref.	Item	Particulars	Unit	Qty	Rate	Amount
163	NON SOR		Supply and installation KANEX or equivalent ABC Type Fire Extinguisher Cap. 4 kg Filled with Mono Ammonium Phosphate Powder 50% conforms to IS 14609, Stored Pressure Type, UGTS Pressure Gauge, Gross Weight 6.6 Kg, Empty Weight 2.6 Kg, Can Height 490mm, Diameter 140 ± 10mm, Discharge Time 18 Sec, Controllable discharge mechanism, Jet Range 3 Meters, Average Discharge is 90%, applicable on Class A,B & C and electrically started Fire, A Rating- 2A, B Rating 21B, Can Construction : Deep drawn & CO2 Mig welded, EPDM Rubber Hose with both end Aluminum clamped, Internal Coating - Epoxy Powder coating, External Coating - Pure Polyester Powder coating (UV Resistant), Brass forged valves with safety Pin is of SS material, Sheet metal thickness : 1.8 mm, ISI Approved IS 15683 : 2006 complete all as per technical specification and direction of Engineer-in-charge	Each	7.00		-
			TOTAL AMOUNT				

(Total Amount in words: Rupees only)

Instructions:

- DHARAMSHALA SMART CITY LIMITED does not guarantee the quantity for the particular line items given above. The actual quantity for the given items may vary. The payment shall be made based on unit cost quoted for the particular item on actual work/ item is undertaken/ supplied.
- All items provided should be under Insurance. The Insurance should be for entire duration of the Project including operation and maintenance period and comprehensive covering damages for Theft, Fire, Natural Calamities, Riots and Terrorists activities etc as per clause 1.9.
- All the prices are to be entered in Indian Rupees only in figures and words.



-
- d) DHARAMSHALA SMART CITY LIMITED reserves the right to ask the Bidder to submit proof of payment against any of the taxes, duties, levies indicated.
 - e) Rates to be quoted in considering that all the items and services to be provided at the locations provided by DHARAMSHALA SMART CITY LIMITED.
 - f) The rates quoted shall include all Taxes including GST, Duties and Levies. Standard deductions will be made in the invoices as per the prevailing practice.
 - g) The rate shall be quoted inclusive of all leads and lifts and other incidentals for the completion of each item of work. Cost of any dewatering, slush removal, shoring and strutting, removal of stumps and placing concrete in/under water is deemed to be included in the respective items. No additional cost will be allowed in this regard.
 - h) The contractor has to arrange suitable dumping site for unserviceable material, excess earth and debris at his own risk and cost.
 - i) All the dismantled serviceable material shall be property of the successful bidder, the bidder shall quote his rates accordingly.
 - j) The bidder should refer the RFP document for details on the technical requirements of the items of work and the benchmark specifications for the items mentioned in the financial formats.
 - k) Any component/ fixtures/ ancillary/ adjunct to the specified item shall be deemed to have been included in the unit rates quoted above.



**Annexure 4- Format for Declaration by the bidder for not being
Blacklisted / Debarred**

(To be submitted on the Letterhead of the bidder)

Date: dd/mm/yyyy

To

MD CUM CEO

**Dharamshala Smart City Limited
Old Himuda Building, Chilgari,
Dharamshala - 176215
Himachal Pradesh**

Subject: Declaration for not being debarred/ black-listed by Central Government/ any State Government/ Public Sector Undertaking in India or similar agencies globally as on the date of submission of the bid

RFP Reference No: XX

Dear Sir/ Ma'am,

I, authorized representative of _____, hereby solemnly confirm that the _____ ("Company") is not debarred/ black -listed by Central Government/ any State Government/ Public Sector Undertaking in India or similar agencies globally for unsatisfactory past performance, corrupt, fraudulent or any other unethical business practices or for any other reason as on last date of submission of the bid.

In the event of any deviation from the factual information/ declaration, DHARAMSHALA SMART CITY LIMITED reserves the right to reject the bid or terminate the Contract without any compensation to the Company.

Thanking you,
Yours faithfully,

Signature of Authorized Signatory (with official seal)

Date:

Name:

Designation:

Address:

Telephone & Fax:

E-mail address:



Annexure 5 - Format of sending pre-bid queries

RFP Reference No: XX

Bidder's Request For Clarification				
Name and complete official address of Organization submitting query/request for clarification			Telephone, Fax and E-mail of the organization Tel: Fax: Email:	
S.No.	Clause No.	Page No.	Content Of RFP Requiring Clarification	Change Requested/ Clarification required
1				
2				

Signature:

Name of the Authorized signatory:

Company seal:

Date and Stamped

Note: Bidders are requested to send the queries in PDF with Sign and Company Seal and also in MS Excel in the above format for making consolidation process easy.



Annexure 6- Power of Attorney

(On a non-judicial stamp paper of appropriate value duly attested by notary public)

Know all men by these presents, we (name and address of the registered office of the Sole Applicant) do hereby constitute, appoint and authorize Mr./ Ms. _____ R/o _____ who is presently employed with us and holding the position of _____, to do in our name and on our behalf, all such acts, deeds and things, necessary in connection with or incidental to the bid for "**Construction of Hostel at Regional Mountaineering Centre at Dharamshala**" (the "Project"), including signing and submission of all documents and providing information/ responses to DHARAMSHALA SMART CITY LIMITED and representing us in all matters in connection with our bid for the said Project.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us.

For (Signature)

(Name, Title and Address)

Accept

..... (Signature)

(Name, Title and Address of the Attorney)

Notes:

1. To be executed by the Applicant.
2. The mode of execution of Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required the same should be under common seal affixed in accordance with the required procedure.
3. Also, wherever required, the executant(s) should submit for verification the extract of the charter documents and documents such as a resolution/ Power of attorney in favour of the Person executing this Power of Attorney for the delegation of power hereunder on behalf of the bidder.



POWER OF ATTORNEY FOR LEAD MEMBER BY THE CONSORTIUM MEMBER

(On Non- Judicial Stamp Paper of appropriate Value to be purchased in the name of Consortium)

Know All Men By These Presents That We, the Members whose details are given hereunder..... have formed a Consortium and having our Registered Office(s)/ Head Office(s) at (here in after called the 'Consortium' which expression shall unless repugnant to the context or meaning thereof, include its successors, administrators and assigns) do hereby constitute, nominate and appoint M/s..... having its Registered/ Head Office at as our duly constituted lawful Attorney (hereinafter called "Lead Member") to exercise all or any of the powers for and on behalf of the CONSORTIUM to participate in bid for "**Construction of Hostel at Regional Mountaineering Centre at Dharamshala**", as per the Scope of Work stipulated therein for which bids have been invited by the DHARAMSHALA SMART CITY LIMITED, to undertake the following acts:

- (i) To submit proposal, participate and correspond in respect of the aforesaid Bid – Specification of DHARAMSHALA SMART CITY LIMITED on behalf of the "Consortium".
- (ii) To negotiate with DHARAMSHALA SMART CITY LIMITED the terms and conditions for award of the contract pursuant to the aforesaid bid and to sign the contract with the DHARAMSHALA SMART CITY LIMITED for and on behalf of the "CONSORTIUM".
- (iii) To do any other act or submit any document related to the above.
- (iv) To receive, accept and execute the contract for and on behalf of the "Consortium".
- (v) To submit the Performance Bank Guarantee in the prescribed format and as per terms of the Contract.



It is clearly understood that the Lead Member shall ensure performance of the Contract and if one or both the members fail to perform their respective portion of the Contract, the same shall be deemed to be a default by all the members.

It is expressly understood that this power of Attorney shall remain valid, binding and irrevocable till completion of the Contract period i.e., _____ from the date of execution of the Contract.

The Consortium hereby agrees and undertakes to ratify and confirm all the whatsoever the said Lead Member quotes in the bid, negotiates and signs the Contract with the DHARAMSHALA SMART CITY LIMITED and/ or proposes to act on behalf of the Consortium by virtue of this Power of Attorney and the same shall bind the Consortium members as if done by itself.

In Witness Whereof, the members constituting the Consortium as aforesaid have executed these present on this day ofTwo Thousand Eighteen.

for and on behalf of the member of the Consortium 1.....

Accept

..... (Signature)

(Name, Title and Address of the Attorney)

Notes:

1. The mode of execution of Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required the same should be under common seal affixed in accordance with the required procedure.
2. Also, wherever required, the executant(s) should submit for verification the extract of the charter documents and documents such as a resolution / Power of attorney in favour of the Person executing this Power of Attorney for the delegation of power hereunder on behalf of the executant(s).



Annexure 7 – Format for Bank Guarantee for Earnest Money Deposit

To
MD CUM CEO
DHARAMSHALA SMART CITY LIMITED
Old Himuda Building, Chilgari,
Dharamshala - 176215
Himachal Pradesh

Dear Sir/ Ma'am,

BANK GUARANTEE for Earnest Money Deposit – For <Project Name>

Whereas <<Name of the bidder>> (hereinafter called 'the Bidder') has submitted the bid to DHARAMSHALA SMART CITY LIMITED for **Construction of Hostel at Regional Mountaineering Centre at Dharamshala**" (hereinafter called "the bid").

Know all Men by these presents that we <<... >> having our office at <<Address>> (hereinafter called "the Bank") are bound to **DHARAMSHALA SMART CITY LIMITED** (hereinafter called "the Authority") for a sum of Rs. <<Amount in figures>> (Rupees <<Amount in words>> only).

The Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this <<Date>>.

The conditions of this obligation are:

1. If the bidder withdraws its bid during the period of bid validity specified by the bidder on the Bid Form; or
2. If the bidder, having been notified of the acceptance of its bid by the Authority during the period of validity of bid
 - (a) Withdraws its participation from the bid during the period of validity of bid document; or
 - (b) Fails or refuses to participate in the subsequent process after having been shortlisted;

We undertake to pay to the Authority up to the above amount upon receipt of its first written demand, without the Authority having to substantiate its demand, provided that in its demand the Authority will note that the amount claimed by it is



due to it owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to <<insert date>> and including <<extra time over and above mandated in the RFP>> from the last date of submission and any demand in respect thereof should reach the Bank not later than the above date.

NOTWITHSTANDING ANYTHING CONTAINED HEREIN:

- I. Our liability under this Bank Guarantee shall not exceed Rs. <<Amount in figures>> (Rupees<<Amount in words>> only)
- II. This Bank Guarantee shall be valid up to <<insert date>>)
- III. It is condition of our liability for payment of the guaranteed amount or any part thereof arising under this Bank Guarantee that we receive a valid written claim or demand for payment under this Bank Guarantee on or before <<insert date>>) failing which our liability under the guarantee will automatically cease.

(Authorized Signatory of the Bank)

Seal:

Date:



Annexure 8 – Format for Performance Bank Guarantee

For Contract Performance Bank Guarantee

Ref : < --- >

Date: _____

Bank Guarantee No.: _____

To

**MD CUM CEO
DHARAMSHALA SMART CITY LIMITED**

Dear Sir,

PERFORMANCE BANK GUARANTEE – For <Project Name>

WHEREAS

M/s. (name of Bidder), a company registered under the Companies Act, 1956/2013, having its registered and corporate office at (address of the Bidder), (hereinafter referred to as "our constituent", which expression, unless excluded or repugnant to the context or meaning thereof, includes its successors and assigns), agreed to enter into a Contract dated (Hereinafter,

referred to as "Contract") with you for "**Construction of Hostel for the Regional Mountaineering Centre at Dharamshala**", in the said Contract.

We are aware of the fact that as per the terms of the Contract, M/s. (name of the bidder) is required to furnish an unconditional and irrevocable Bank Guarantee in your favour for an amount of 10% of the Total Contract Value, and guarantee the due performance by our constituent as per the Contract and do hereby agree and undertake to pay any and all amount due and payable under this bank guarantee, as security against breach/ default of the said Contract by our Constituent.

In consideration of the fact that our constituent is our valued customer and the fact that he has entered into the said Contract with you, we, (name and address of the bank), have agreed to issue this Performance Bank Guarantee.

Therefore, we (name and address of the bank) hereby unconditionally and irrevocably guarantee you as under:



In the event of our constituent committing any breach / default of the said Contract, and which has not been rectified by him, we hereby agree to pay you forthwith on demand such sum/s not exceeding the sum of 10% of the Total Contract Value i.e.,.....<in words> without any demur. Notwithstanding anything to the contrary, as contained in the said Contract, we agree that your decision as to whether our constituent has made any such default(s) / breach(es), as aforesaid and the amount or amounts to which you are entitled by reasons thereof, subject to the terms and conditions of the said Contract, will be binding on us and we shall not be entitled to ask you to establish your claim or claims under this Performance Bank Guarantee, but will pay the same forthwith on your demand without any protest or demur.

This Performance Bank Guarantee shall continue and hold valid till 90 (Ninety) days after completion date, subject to the terms and conditions in the said Contract.

We bind ourselves to pay the above said amount at any point of time commencing from the date of the said Contract until 90 (Ninety) days after the completion date.

We further agree that the termination of the said Contract, for reasons solely attributable to our constituent, virtually empowers you to demand for the payment of the above said amount under this guarantee and we would honor the same without demur.

We hereby expressly waive all our rights: Requiring to pursue legal remedies against DHARAMSHALA SMART CITY LIMITED; and for notice of acceptance hereof any action taken or omitted in reliance hereon, of any defaults under the Contract and any resentment, demand, protest or any notice of any kind.

We, the Guarantor, as primary obligor and not merely Surety or Guarantor of collection, do hereby irrevocably and unconditionally give our guarantee and undertake to pay any amount you may claim (by one or more claims) up to but not exceeding the amount mentioned aforesaid during the period from and including the date of issue of this guarantee through the period.

We specifically confirm that no proof of any amount due to you under the Contract is required to be provided to us in connection with any demand by you for payment under this guarantee other than your written demand.



Any notice by way of demand or otherwise hereunder may be sent by special courier, telex, fax, registered post or other electronic media to our address, as aforesaid and if sent by post, it shall be deemed to have been given to us after the expiry of 48 hours when the same has been posted. If it is necessary to extend this guarantee on account of any reason whatsoever, we undertake to extend the period of this guarantee on the request of our constituent under intimation to you.

This Performance Bank Guarantee shall not be affected by any change in the constitution of our constituent nor shall it be affected by any change in our constitution or by any amalgamation or absorption thereof or therewith or reconstruction or winding up, but will ensure to the benefit of you and be available to and be enforceable by you during the period from and including the date of issue of this guarantee through the period.

Not with standing anything contained hereinabove, our liability under this Performance Guarantee is restricted to 10% of the Contract Value, and shall continue to exist, subject to the terms and conditions contained herein, unless a written claim is lodged on us on or before the aforesaid date of expiry of this guarantee.

We hereby confirm that we have the power/s to issue this Guarantee in your favor under the Memorandum and Articles of Association / Constitution of our bank and the undersigned is / are the recipient of authority by express delegation of power/s and has / have full power/s to execute this guarantee under the Power of Attorney issued by the bank in your favor.

We further agree that the exercise of any of your rights against our constituent to enforce or forbear to enforce or any other indulgence or facility, extended to our constituent to carry out the contractual obligations as per the said Contract, would not release our liability under this guarantee and that your right against us shall remain in full force and effect, notwithstanding any further arrangement that may be entered into between you and our constituent, during the entire currency of this guarantee.

Notwithstanding anything contained herein:

Our liability under this Performance Bank Guarantee shall not exceed 10% of the Total Contract Value. This Performance Bank Guarantee shall be valid only from the date of signing of Contract to 90 (Ninety) days after the completion date; and



We are liable to pay the guaranteed amount or part thereof under this Performance Bank Guarantee only and only if we receive a written claim or demand on or before 90 (Ninety) days after the completion date.

Any payment made hereunder shall be free and clear of and without deduction for or on account of taxes, levies, imports, charges, duties, fees, deductions or withholding of any nature imposts. This Performance Bank Guarantee must be returned to the bank upon its expiry. If the bank does not receive the Performance Bank Guarantee within the above-mentioned period, subject to the terms and conditions contained herein, it shall be deemed to be automatically cancelled.

This guarantee shall be governed by and construed in accordance with the Indian Laws and we hereby submit to the exclusive jurisdiction of courts of Justice in India for the purpose of any suit or action or other proceedings arising out of this guarantee or the subject matter hereof brought by you may not be enforced in or by such court.

Dated this day 20....

Yours faithfully,

For and on behalf of the Bank,

(Signature)

Designation

(Address of the Bank)

Note:

This guarantee will attract stamp duty as a security bond.

A duly certified copy of the requisite authority conferred on the official/s to execute the guarantee on behalf of the bank should be annexed to this guarantee for verification and retention thereof as documentary evidence in the matter.



5. Contract Forms

This Section contains forms which, once completed, will form part of the Contract. The forms for Performance Security and Advance Payment Security, when required, shall only be completed by the Contractor after contract award.

- **Letter of Acceptance**
- **Contract Agreement**



6. Letter of Acceptance

[on letterhead paper of the Employer]

.....**[date]**.....

To:**[name and address of the Implementing Agency]**.....

Subject:..... **[Notification of Award Contract No]**.....

This is to notify you that your RFP/Bid dated.....**[insert date]**..... for execution of the.....**[insert name of the contract and identification number, as given in the PCC]**.....for the Accepted Contract Amount of.....**[insert amount in numbers and words and name of currency]**, as corrected and modified in accordance with the Instructions to Bidders is hereby accepted by DSCL.

You are requested to furnish the Performance Security within 15 days in accordance with the Conditions of Contract, using for that purpose the of the Performance Security Form included in Annexure 8. Contract Forms, of the Bidding Document.

Authorized Signature:.....

Name and Title of Signatory:.....

Name of Agency:.....



7. Contract Agreement

THIS AGREEMENT made the day of between **[name of the Employer]** (hereinafter "the Employer"), of the one part, and **[name of the Implementing Agency]**..... (hereinafter "the Implementing Agency"), of the other part:

WHEREAS the Employer desires that the Works known as "**Construction of Hostel for the Regional Mountaineering Centre at Dharamshala**".should be executed by the Implementing Agency, and has accepted a Bid by the Implementing Agency for the execution and completion of these Works and the remedying of any defects therein,

The Employer and the Implementing Agency agree as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract documents referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement. This Agreement shall prevail over all other Contract documents.
 - (i) the Agreement
 - (ii) the Letter of Acceptance
 - (iii) the Letter of Award
 - (iv) the addenda Nos _____(if any)
 - (v) the Special Conditions of Contract
 - (vi) the General Conditions of Contract, including appendix;
 - (vii) the Specifications
 - (viii) the Drawings
 - (ix) Bill of Quantities
 - (x) any other document **listed in the PCC** as forming part of the Contract,



RFP for Construction of Hostel for the Regional Mountaineering Centre at Dharamshala



3. In consideration of the payments to be made by the Employer to the Implementing Agency as specified in this Agreement, the Implementing Agency hereby covenants with the Employer to execute the Works and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Employer hereby covenants to pay the Implementing Agency in consideration of the execution and completion of the Works and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of..... **[name of the borrowing country]** on the day, month and year specified above.

Signed by: _____

For and on behalf of the Employer

Signed by: _____

for and on behalf of the Implementing Agency

in the presence of: _____

Witness, Name, Signature, Address, Date

in the presence of: _____

Witness, Name, Signature, Address, Date

	LIST OF DRAWINGS	NO. OF SHEET
1.	SURVEY DRAWING	
1.1	SURVEY CONTOUR PLAN OF MOUNTAINEERING INSTITUTE AT DHARAMKOT (DHARAMSHALA)	1
2.	ARCHITECTURE DRAWING	
2.1	LAYOUT OF BASEMENT & GROUND FLOOR PLAN	1
2.2	LAYOUT OF FIRST & SECOND FLOOR PLAN	1
2.3	LAYOUT OF MEZZANINE FLOOR PLAN & ROOF PLAN	1
2.4	ELEVATION A-A	1
2.5	ELEVATION B-B	1
2.6	SECTION 1-1 & 2-2 AND DETAILS	1
2.7	MAIN GATE PLAN & VIEW	1
3.	STRUCTURE DRAWING	
3.1	FOOTING LAYOUT & DETAILS	1
3.2	COLUMN LAYOUT & DETAILS	1
3.3	PLINTH BEAM LAYOUT & DETAILS AT +0.550M	1
3.4	FLOOR BEAM LAYOUT AT EL +4.200M & SECTIONAL DETAILS	1
3.5	PLINTH BEAM LAYOUT AT EL +4.200M & SECTIONAL DETAILS	3
3.6	FLOOR BEAM LAYOUT AT EL+ 7.350M & SECTIONAL DETAILS	2
3.7	FLOOR BEAM LAYOUT AT EL+ 10.500M & SECTIONAL DETAILS	1
3.8	MEZZANINE FLOOR BEAM LAYOUT & STAIRCASE SECTIONAL DETAILS	1
4.	ROOF DETAIL DRAWING	
4.1	ROOF STRUCTURE AT EL +13.650 & 13.650M AND INSERT PLATE DETAILS	1
4.2	ROOF STRUCTURE AT EL +14.250M	1
4.3	ROOF STRUCTURE AT EL +16.800M, CORRIDOR & PORCH SECTIONAL DETAILS	1
5.	ELECTRICAL DRAWING	
5.1	ELECTRICAL LAYOUT OF BASEMENT & GROUND FLOOR PLAN	1
5.2	ELECTRICAL LAYOUT OF FIRST & SECOND FLOOR PLAN	1
6.	FIRE FIGHTING DRAWING	
6.1	FIRE FIGHTING LAYOUT	2
7.	LANDSCAPING DRAWING	
7.1	LAYOUT OF LANDSCAPING	1
8.	RETAINING WALL	
8.1	LOCATION OF RETAINING WALL	1
9.	TRACK PATH	
9.1	LAYOUT OF TRACK PATH	1

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DRAWINGS

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PRODUCED BY AN AUTODESK STUDENT VERSION

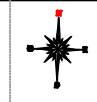
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SURVEY DRAWING

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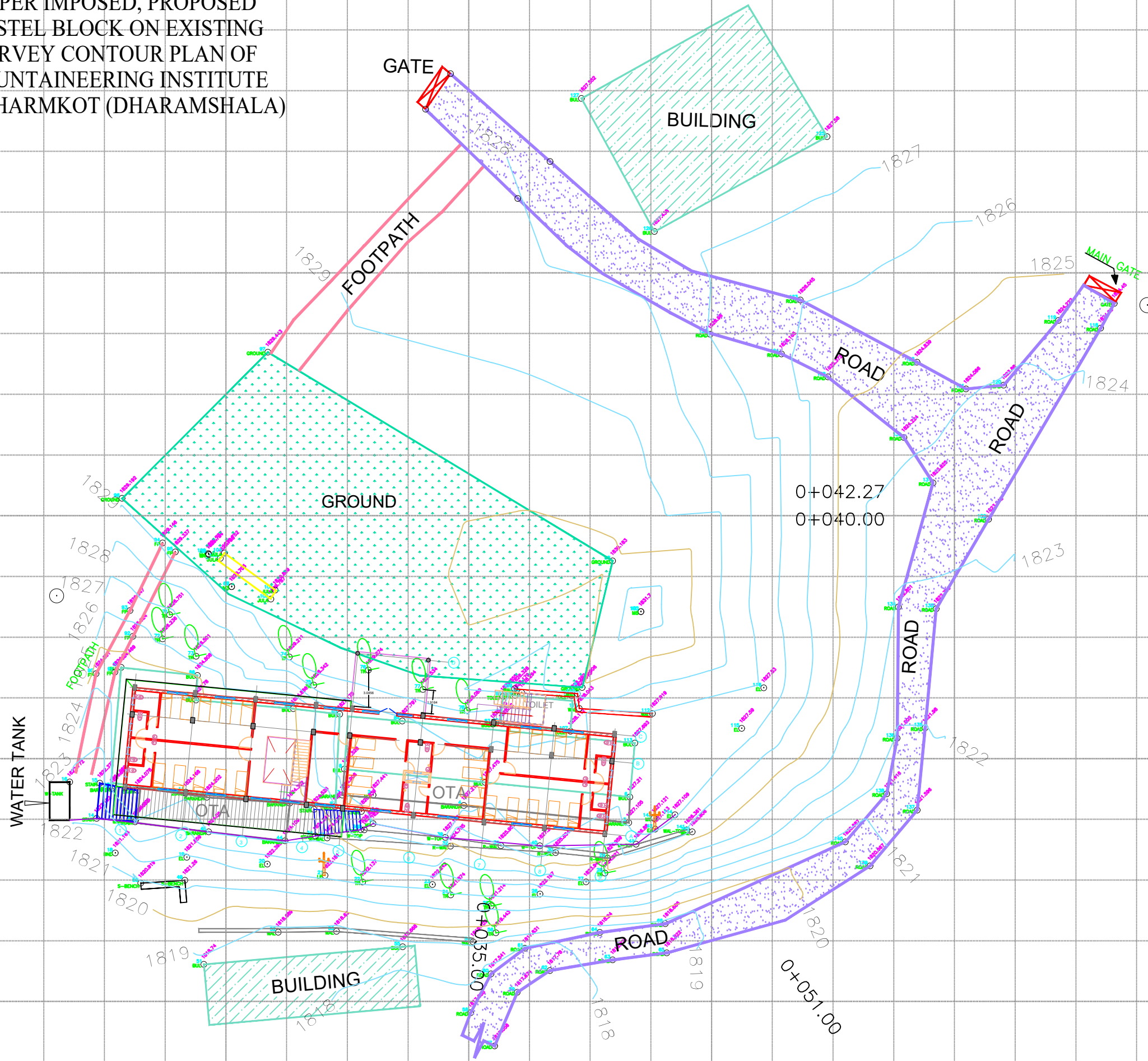
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SUPER IMPOSED, PROPOSED
HOSTEL BLOCK ON EXISTING
SURVEY CONTOUR PLAN OF
MOUNTAINEERING INSTITUTE
AT DHARMKOT (DHARAMSHALA)

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PRODUCED BY AN AUTODESK STUDENT VERSION



PROJECT:-
 SUPER IMPOSED, PROPOSED
 HOSTEL BLOCK ON EXISTING
 SURVEY CONTOUR PLAN OF
 MOUNTAINEERING INSTITUTE
 AT DHARMKOT (DHARAMSHALA)

LEGEND

ROAD	
TREES	
CONTOUR	
RETAINING WALL	
BOUNDARY	
BUILDING	

Survey done in the month of November 2018

- NOTE:-**
1. Boundary area depicted in the drg is
 2. Contour interval is 1.0mtr.
 4. Grid Spacing = 5m

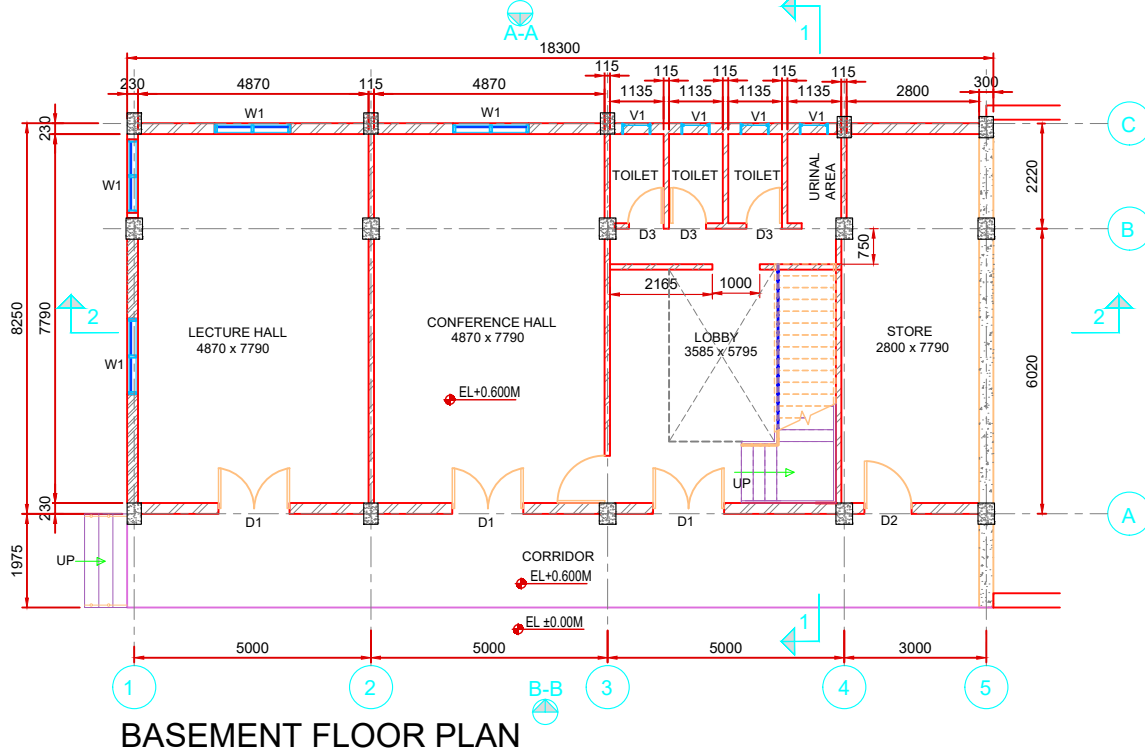
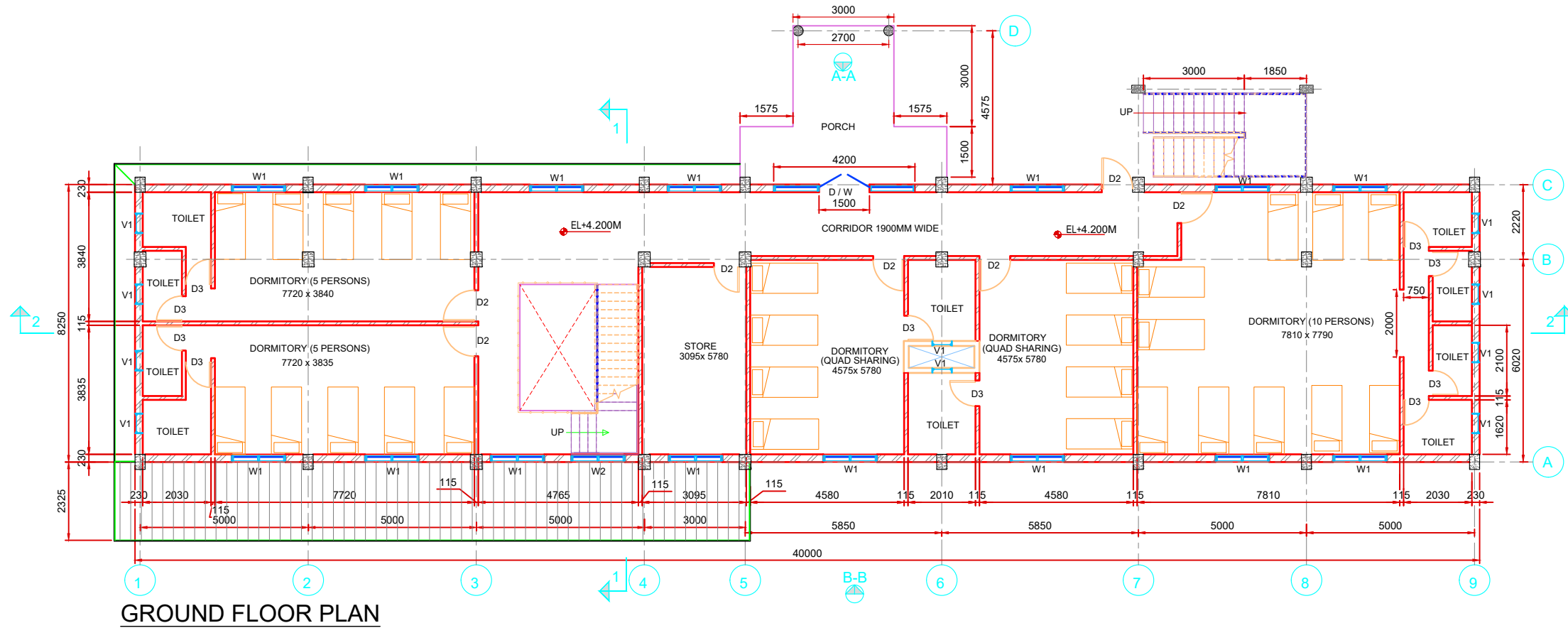
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ARCHITECTURE DRAWING

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PRODUCED BY AN AUTODESK STUDENT VERSION

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BASEMENT AREA	: 150.975 SQ.M
GROUND FLOOR AREA	: 320.00 SQ.M
FIRST FLOOR AREA	: 320.00 SQ.M
SECOND FLOOR AREA	: 320.00 SQ.M
TOTAL FLOOR AREA	: 1110.975 SQ.M

DOOR / WINDOW SCHEDULE						
S.N	MRKD	W x L	LINTEL	SILL	DESCRIPTION	REMARK
1.	D/W	4200 x 2100	2100	-	DOUBLE LEAF DOOR SLIDING WINDOW, ALUMINUM FRAMED WITH GLASS PANEL	
2.	D1	1500 x 2100	2100	-	DOUBLE LEAF DOOR	
3.	D2	1000 x 2100	2100	-	SINGLE LEAF DOOR	
4.	D3	750 x 2100	2100	-	SINGLE LEAF DOOR	
5.	W1	1600 x 1200	2100	900	SLIDING WINDOW, ALUMINUM FRAMED WITH GLASS PANEL	
6.	V1	600 x 300	-	2400	OPENABLE GLAZING GLASS	

21/08/2019 - 3:34pm
PATH: G:\Dharamshala\MOUNTAINEERING BUILDING\MOUNTAINEERING INSTITUTE drawing.dwg

DATE	REV	DESCRIPTION OF REVISIONS	BY

CLIENT:



Step Forward to a Smart Neighbourhood
SMART CITY PROPOSAL

Dharamshala Smart City Ltd. (DSCL)

CORE AREA:

A 5.1- MOUNTAINEERING AND PARAGLIDING INSTITUTE

PROJECT MANAGEMENT CONSULTANT:




IN JOINT VENTURE WITH

PROJECT:

DHARAMSHALA SMART CITY

APPROVED BY:	S.T
CHECKED BY:	-
DESIGNED BY:	D.K
DRAWN BY:	D.K

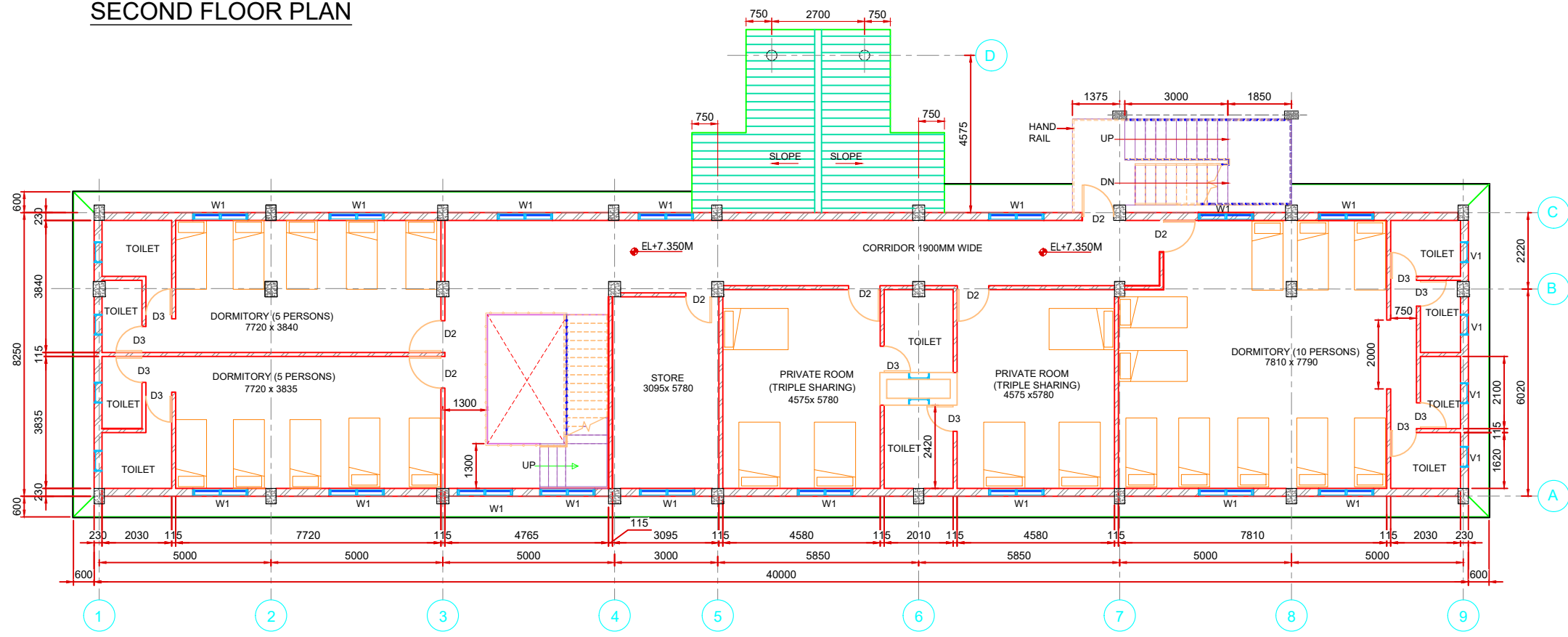
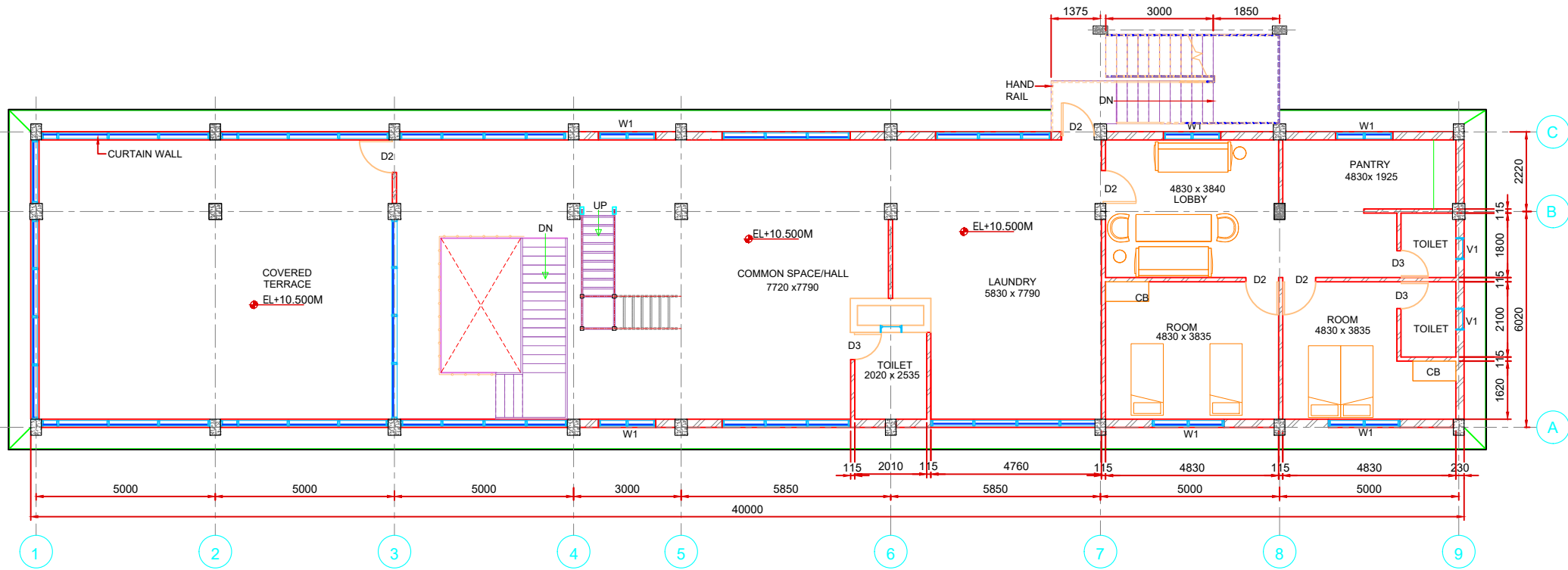
TITLE:

TENDER DRAWINGS
MOUNTAINEERING BUILDING
LAYOUT OF BASEMENT &
GROUND FLOOR PLAN

STATUS	SCALE: A2 AS SHOWN	A3	DATE: MAY 2019	DRG. NO. AGICL-DSCL-H-MB-ARCH-0001	REV. R0
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PRODUCED BY AN AUTODESK STUDENT VERSION

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DATE	REV	DESCRIPTION OF REVISIONS	BY

CLIENT:



Step Forward to a Smart Neighbourhood
 SMART CITY PROPOSAL

Dharamshala Smart City Ltd. (DSCL)

CORE AREA:

A 5.1- MOUNTAINEERING AND PARAGLIDING INSTITUTE

PROJECT MANAGEMENT CONSULTANT:




IN JOINT VENTURE WITH

PROJECT:

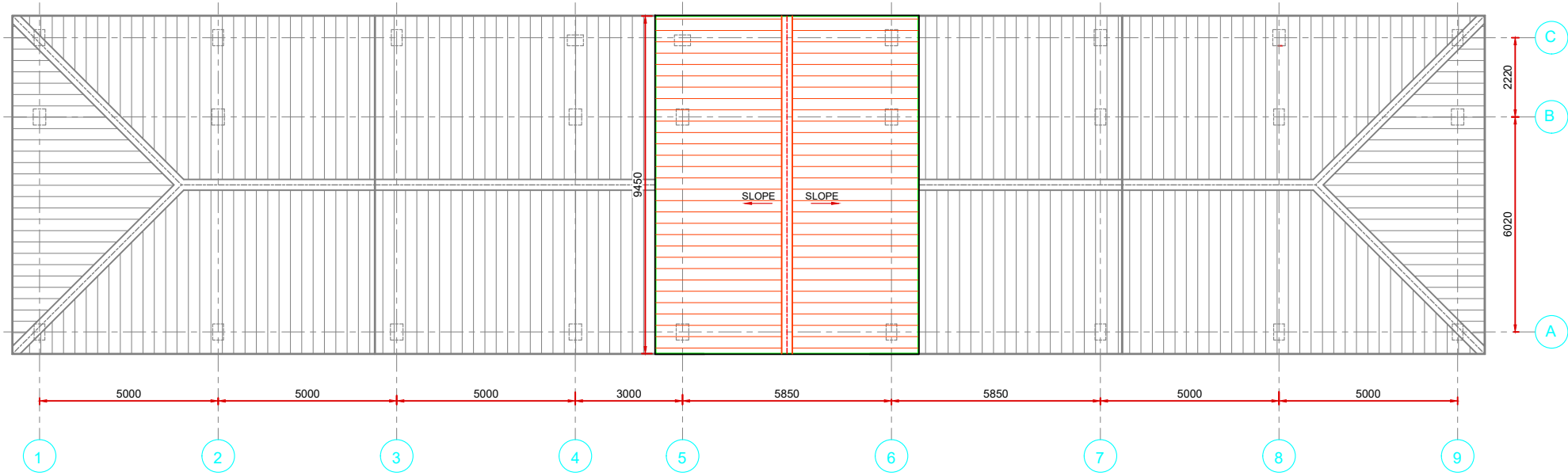
DHARAMSHALA SMART CITY

APPROVED BY:	S.T
CHECKED BY:	-
DESIGNED BY:	D.K
DRAWN BY:	D.K

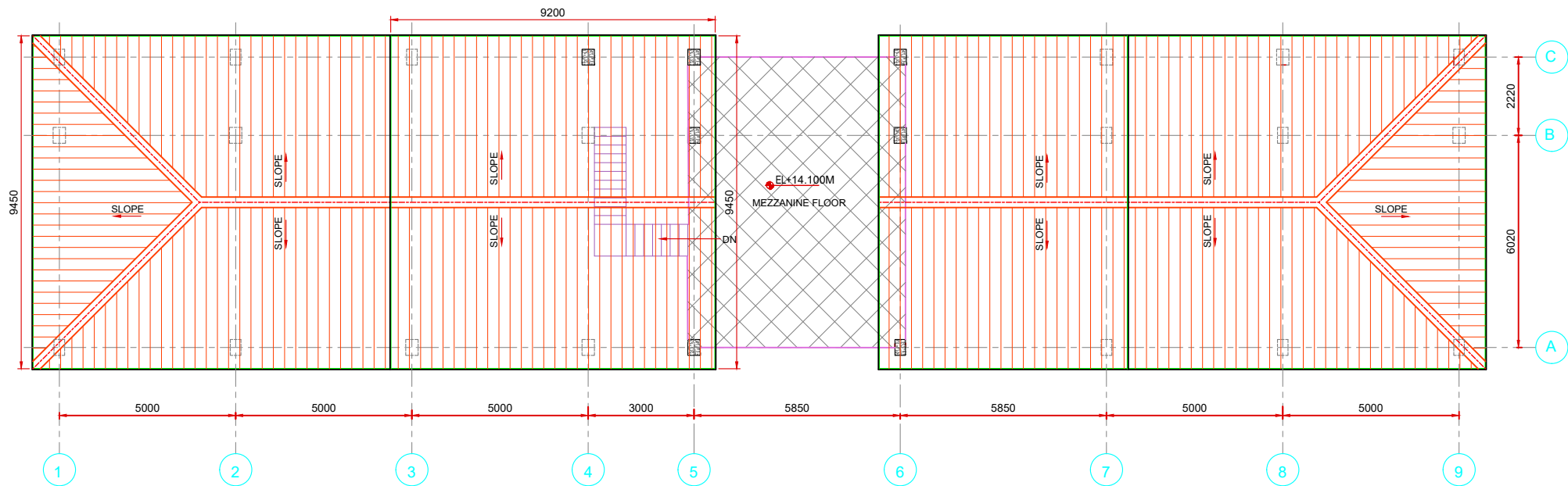
TITLE:

TENDER DRAWINGS
 MOUNTAINEERING BUILDING
 LAYOUT OF FIRST & SECOND FLOOR PLAN

STATUS	SCALE: A2 AS SHOWN	A3	DATE: MAY 2019	DRG. NO. AGICL-DSCL-H-MB-ARCH-0002	REV. R0
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ROOF PLAN



MEZZANINE FLOOR PLAN

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PRODUCED BY AN AUTODESK STUDENT VERSION

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DATE	REV	DESCRIPTION OF REVISIONS	BY

CLIENT:



Step Forward to a Smart Neighbourhood
 SMART CITY PROPOSAL

Dharmshala Smart City Ltd. (DSCL)

CORE AREA:

A 5.1- MOUNTAINEERING AND PARAGLIDING INSTITUTE

PROJECT MANAGEMENT CONSULTANT:



IN JOINT VENTURE WITH



almondz
 the infrastructure specialist

PROJECT:

DHARAMSHALA SMART CITY

APPROVED BY:	S.T
CHECKED BY:	-
DESIGNED BY:	D.K
DRAWN BY:	D.K

TITLE :

TENDER DRAWINGS
 MOUNTAINEERING BUILDING
 LAYOUT OF MEZZANINE
 FLOOR PLAN & ROOF PLAN

STATUS	SCALE: A2 AS SHOWN	A3	DATE: MAY 2019	DRG. NO. AGICL-DSCL-H-MB-ARCH-0003	REV. R0
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ELEVATION A-A

PRODUCED BY AN AUTODESK STUDENT VERSION

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21/08/2019 - 3:34pm
 PATH: G:\Dharamshala\BUILDING\MOUNTAINEERING INSTITUTE drawing.dwg

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DATE	REV	DESCRIPTION OF REVISIONS	BY																																																
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DATE	REV	DESCRIPTION OF REVISIONS	BY																																																



ELEVATION B-B

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21/08/2019 - 3:34pm
 PATH: G:\Dharamshala\BUILDING\MOUNTAINEERING INSTITUTE drawing.dwg

DATE	REV	DESCRIPTION OF REVISIONS	BY

CLIENT:



Dharamshala Smart City Ltd. (DSCL)

CORE AREA:

A 5.1- MOUNTAINEERING AND PARAGLIDING INSTITUTE

PROJECT MANAGEMENT CONSULTANT:



IN JOINT VENTURE WITH

PROJECT:

DHARAMSHALA SMART CITY

APPROVED BY:	S.T
CHECKED BY:	-
DESIGNED BY:	D.K
DRAWN BY:	D.K

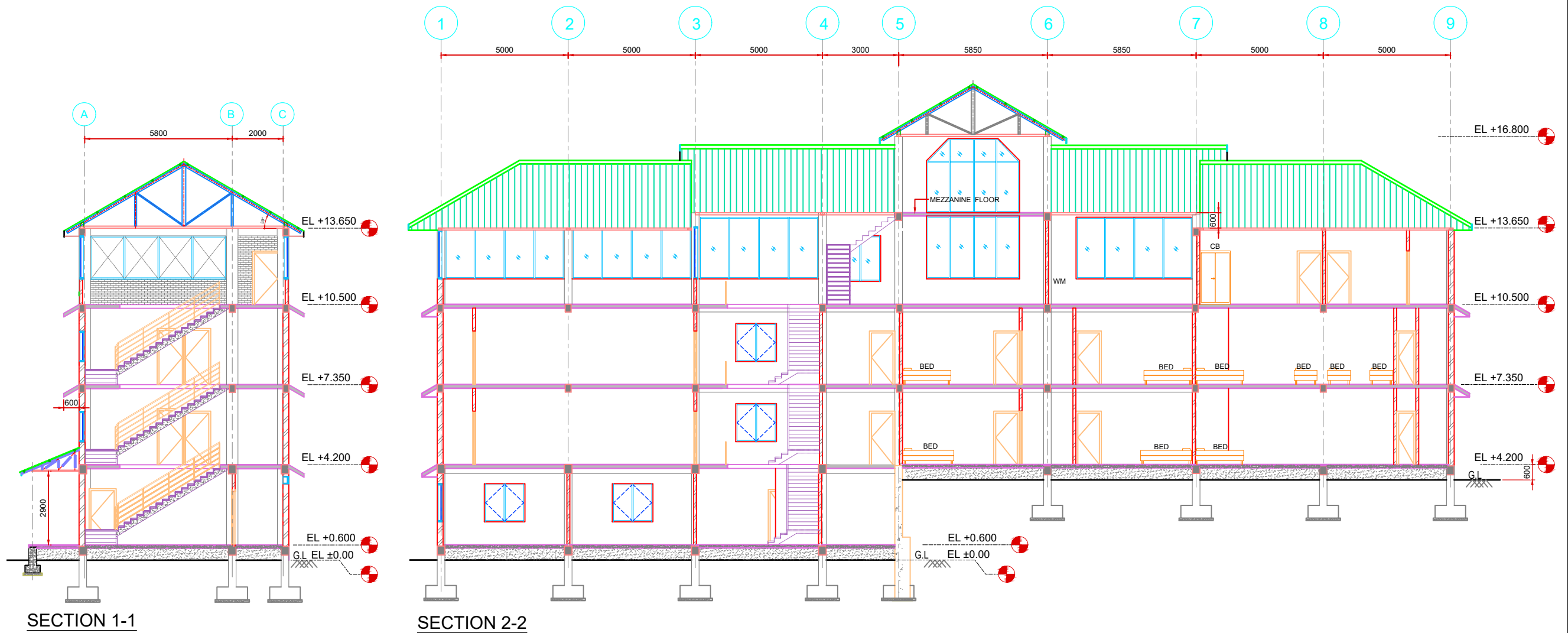
TITLE :

TENDER DRAWINGS
 MOUNTAINEERING BUILDING
 ELEVATION B-B

STATUS	SCALE: A2 AS SHOWN	A3	DATE: MAY 2019	DRG. NO. AGICL-DSCL-H-MB-ARCH-0005	REV. R0
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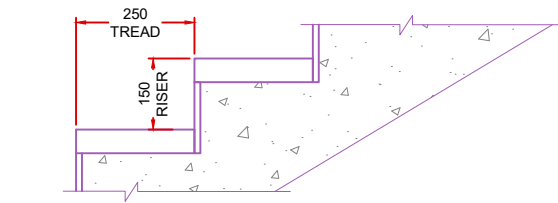
PRODUCED BY AN AUTODESK STUDENT VERSION

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SECTION 1-1

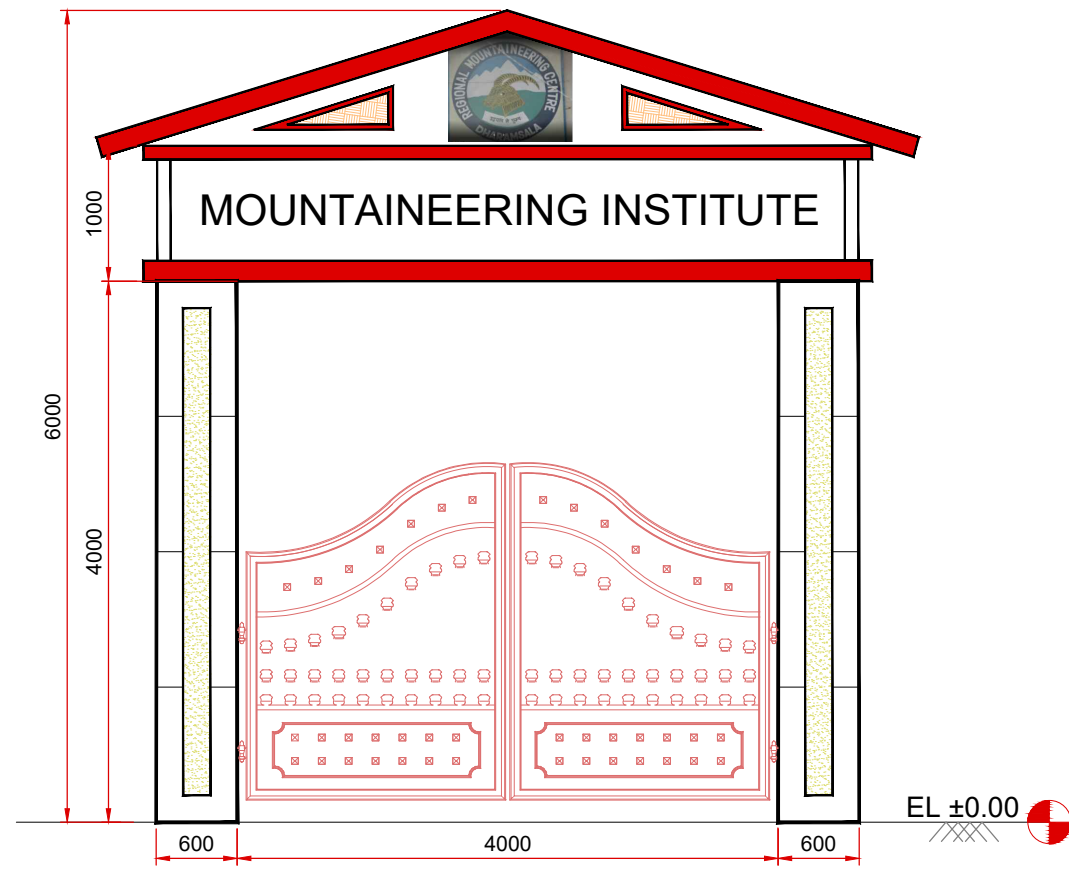
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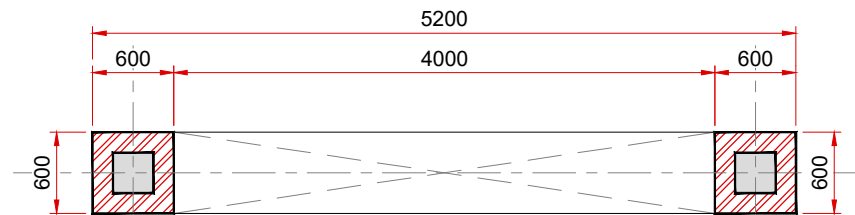
TYPICAL DETAIL OF STAIR

21/08/2019 - 3:34pm
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		CLIENT:  Dharamshala Smart City Ltd. (DSCL)	CORE AREA: A 5.1- MOUNTAINEERING AND PARAGLIDING INSTITUTE	PROJECT MANAGEMENT CONSULTANT:  	PROJECT: DHARAMSHALA SMART CITY	APPROVED BY: S.T CHECKED BY: - DESIGNED BY: D.K DRAWN BY: D.K	TITLE: TENDER DRAWINGS MOUNTAINEERING BUILDING SECTION 1-1 & 2-2 AND DETAILS			
DATE	REV	DESCRIPTION OF REVISIONS	BY	STATUS		SCALE: A2 AS SHOWN	A3	DATE: MAY 2019	DRG. NO. AGICL-DSCL-H-MB-ARCH-0006	REV. R0



VIEW OF MAIN GATE



PLAN OF MAIN GATE

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PRODUCED BY AN AUTODESK STUDENT VERSION

22/08/2019 - 11:34am
PATH: G:\Devendra\MOUNTAINEERING BUILDING\ARCHITECTURE DRAWING OF M.B.dwg

		CLIENT:  Dharamshala Smart City Ltd. (DSCL)		CORE AREA: A 5.1- MOUNTAINEERING AND PARAGLIDING INSTITUTE		PROJECT MANAGEMENT CONSULTANT:   IN JOINT VENTURE WITH almondz the infrastructure specialist		PROJECT: DHARAMSHALA SMART CITY		APPROVED BY: S.T. CHECKED BY: - DESIGNED BY: D.K. DRAWN BY: D.K.		TITLE: TENDER DRAWINGS MOUNTAINEERING BUILDING MAIN GATE PLAN & VIEW	
DATE	REV	DESCRIPTION OF REVISIONS		BY	STATUS:		SCALE: A2 AS SHOWN A3		DATE: APR 2019		DRG. NO.: AGICL-DSCL-H-MB-0007 SH.1		REV.: R0

PRODUCED BY AN AUTODESK STUDENT VERSION

STRUCTURE DRAWING

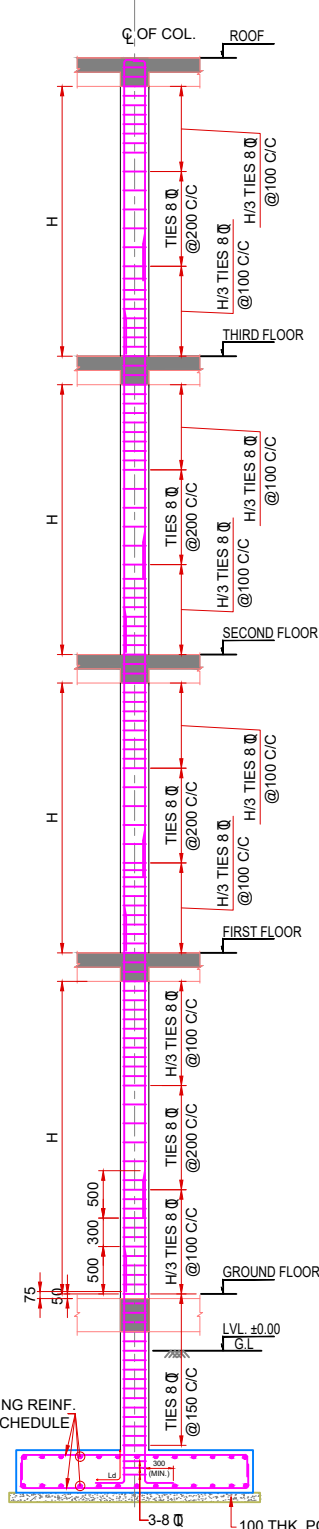
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PRODUCED BY AN AUTODESK STUDENT VERSION

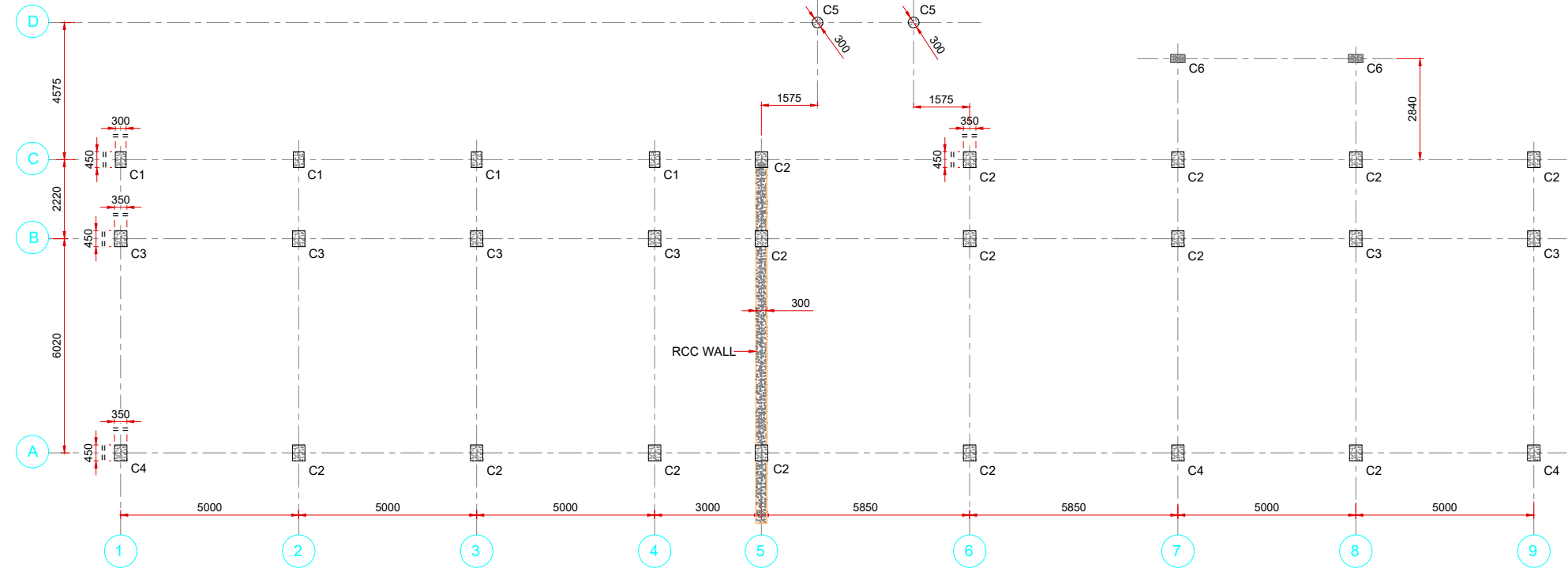
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PRODUCED BY AN AUTODESK STUDENT VERSION

PRODUCED BY AN AUTODESK STUDENT VERSION



REINFORCEMENT DETAIL OF COLUMN (1:50)



COLUMN LAYOUT

COLUMN SCHEDULE							
SL NOS	COLUMN MKD	NOS	COLUMN SIZES	FOUNDATION (-)1.5M LVL. TO SECOND FLOOR LVL.	SECOND FLOOR LVL TO ROOF LVL.	TIES SET	REMARKS
1	C1	4	300 x 450	REINF. 4-25 Φ +6-16 Φ 			
2	C2	14	350 x 450	REINF. 12 - 25 Φ 			
3	C3	6	350 x 450	REINF. 4-25 Φ +8-16 Φ 			
4	C4	3	350 x 450	REINF. 10 - 25 Φ 			
5	C5	2	300 Φ	REINF. 8 - 20 Φ 			
6	C6	2	230 x 450	REINF. 8-16 Φ 			

LEGEND

- C/C — CENTER TO CENTER
- CL — CENTER LINE
- Ld — DEVELOPMENT LENGTH
- REINF — REINFORCEMENT
- TYP — TYPICAL

GENERAL NOTES

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5. ALL REINFORCEMENT SHALL BE HIGH YIELD STRENGTH DEFORMED BAR OF GRADE Fe500 CONFORMING TO IS:1786.
6. LAP LENGTH SHALL BE 50 TIMES THE DIAMETER OF SMALLER BAR BEING LAPPED.
7. COVER TO REINFORCEMENT:-
a) COLUMNS = 40MM
8. DEVELOPMENT LENGTH SHALL BE 50 TIMES THE DIAMETER OF BAR.
10. ALL REINFORCEMENT LAPPINGS SHOULD BE STAGGERED.
11. SAFE BEARING CAPACITY AT -1.5M IS 18T/M².

22/08/2019 - 10:24am
PATH: G:\Dharamshala\ENGINEERING BUILDING\STRUCTURE DRAWING OF M.B.dwg

DATE	REV	DESCRIPTION OF REVISIONS	BY

CLIENT:

Dharamshala Smart City Ltd. (DSCL)

CORE AREA:

A 5.1- MOUNTAINEERING AND PARAGLIDING INSTITUTE

PROJECT MANAGEMENT CONSULTANT:

PROJECT:

DHARAMSHALA SMART CITY

APPROVED BY: S.T

CHECKED BY: -

DESIGNED BY: S.A

DRAWN BY: D.K

TITLE:

TENDER DRAWING
MOUNTAINEERING BUILDING
COLUMN LAYOUT & DETAILS

STATUS: AS SHOWN

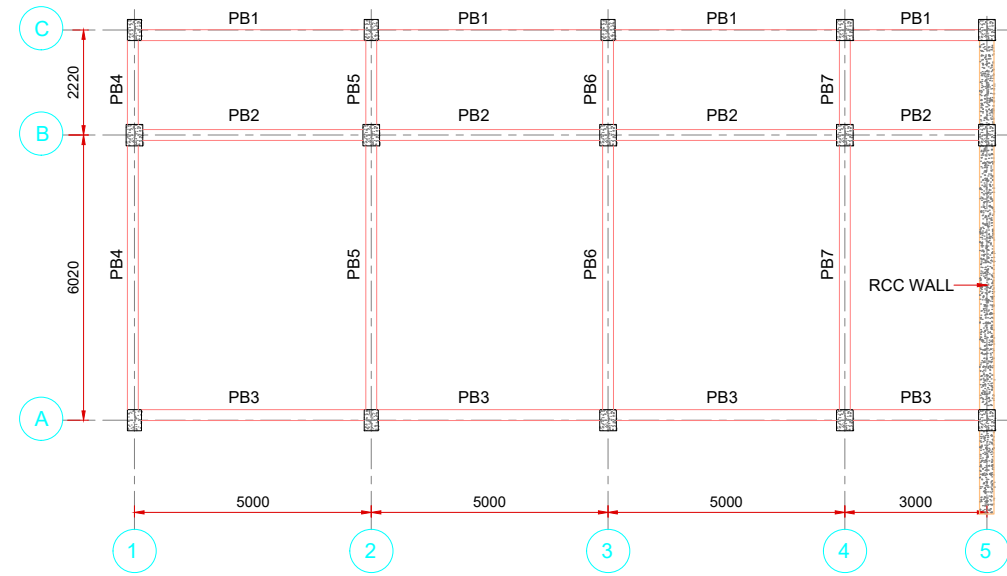
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DATE: APR 2019

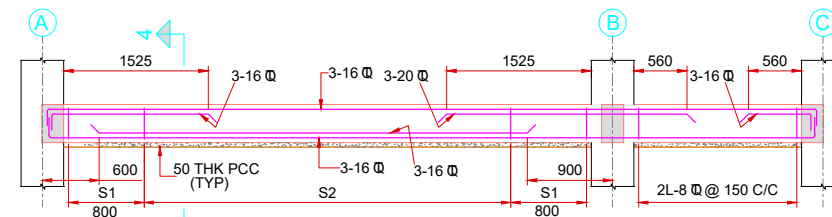
DRG. NO. **AGICL-DSCL-H-ST-0002**

REV. R0

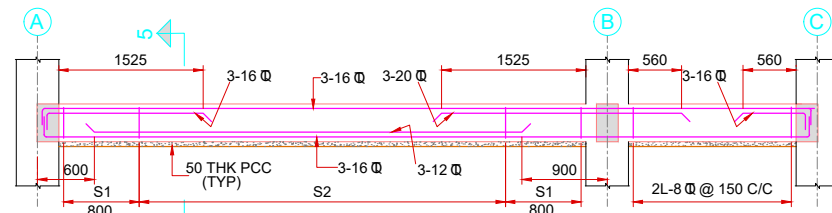
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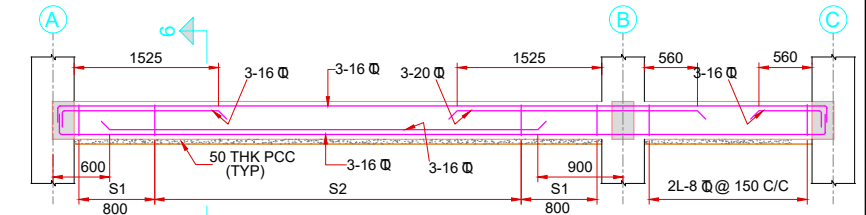
PLINTH BEAM LAYOUT AT EL +0.550M



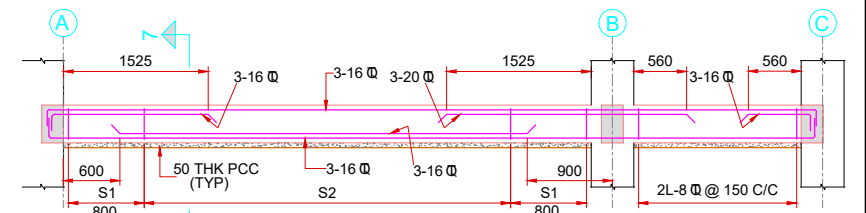
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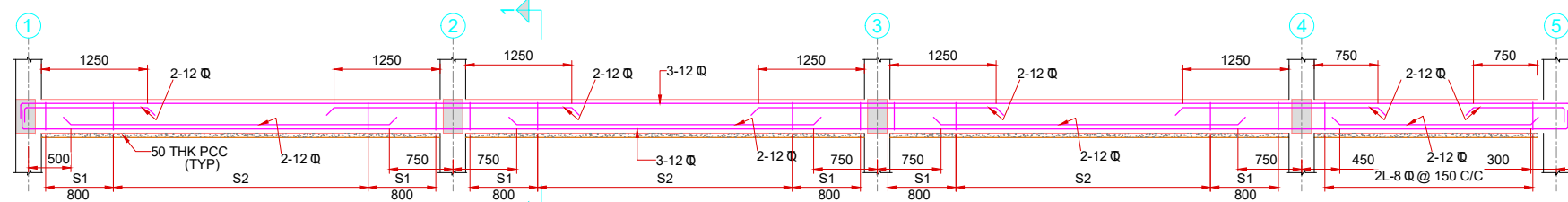
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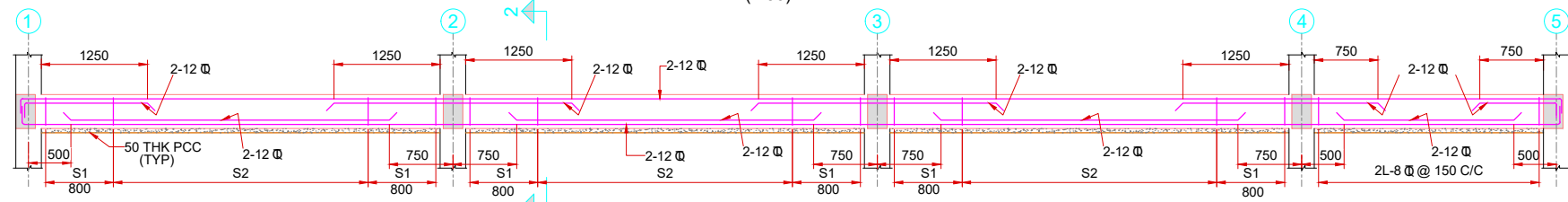
PLINTH BEAM PB6 (230X400) (1:50)



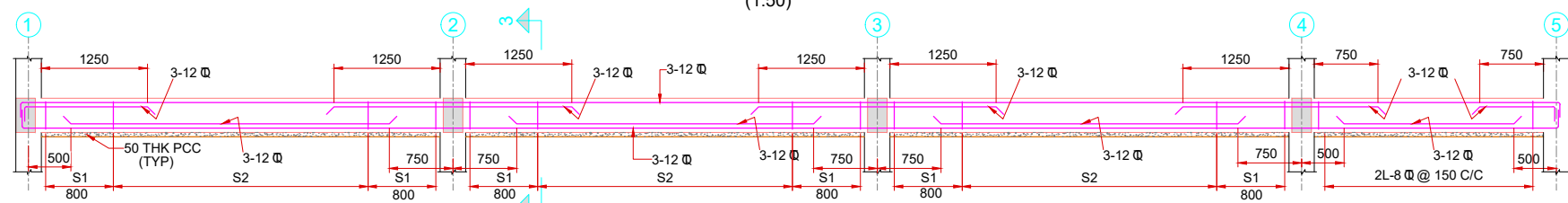
PLINTH BEAM PB7 (230X400) (1:50)



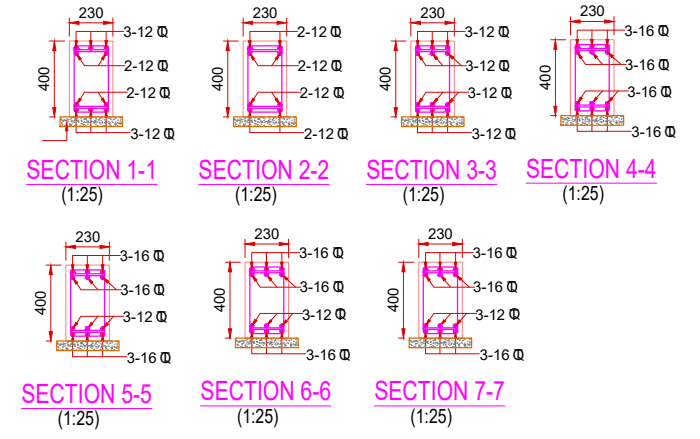
PLINTH BEAM PB1 (230X400) (1:50)



PLINTH BEAM PB2 (230X400) (1:50)



PLINTH BEAM PB3 (230X400) (1:50)



STIRRUPS		
Sl. No	MKD	REINFORCEMENT
1	S1	2L-8 @ 100 C/C
2	S2	2L-8 @ 200 C/C

- LEGEND**
- C/C — CENTER TO CENTER
 - Ld — DEVELOPMENT LENGTH
 - TYP — TYPICAL
- GENERAL NOTES**
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 - COVER TO REINFORCEMENT:-
a) PLINTH BEAM = 25MM
 - DEVELOPMENT LENGTH SHALL BE 50 TIMES THE DIAMETER OF BAR.
 - ALL REINFORCEMENT LAPPINGS SHOULD BE STAGGERED.

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PRODUCED BY AN AUTODESK STUDENT VERSION

22/08/2019 - 10:27am
PATH: G:\Devendra\MOUNTAINEERING BUILDING\STRUCTURE DRAWING OF M.B.dwg

DATE	REV	DESCRIPTION OF REVISIONS	BY

CLIENT:

Step Forward to a Smart Neighbourhood
SMART CITY PROPOSAL

Dharamshala Smart City Ltd. (DSCL)

CORE AREA:

A 5.1- MOUNTAINEERING AND PARAGLIDING INSTITUTE

PROJECT MANAGEMENT CONSULTANT:

IN JOINT VENTURE WITH **almondz**
the infrastructure specialist

PROJECT:

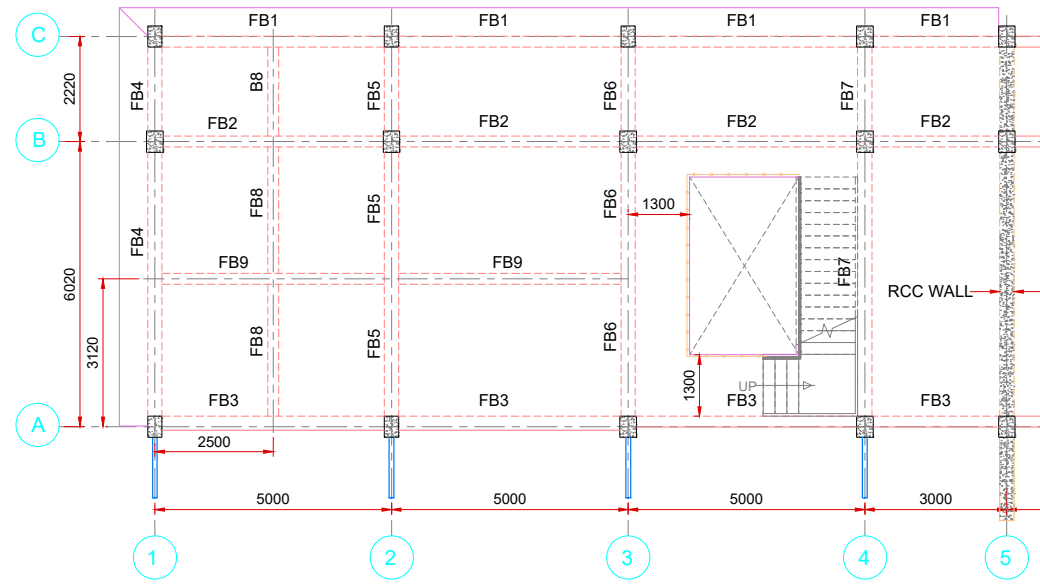
DHARAMSHALA SMART CITY

APPROVED BY:	S.T
CHECKED BY:	-
DESIGNED BY:	S.A
DRAWN BY:	D.K

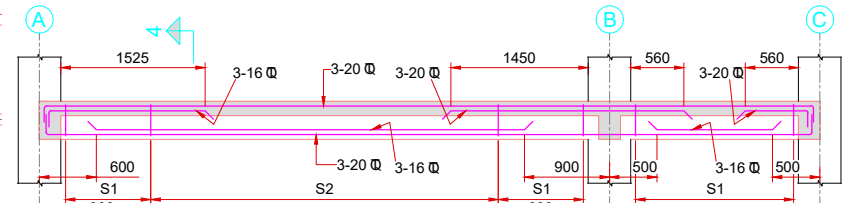
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TENDER DRAWING
MOUNTAINEERING BUILDING
PLINTH BEAM LAYOUT & DETAILS
AT +0.550M

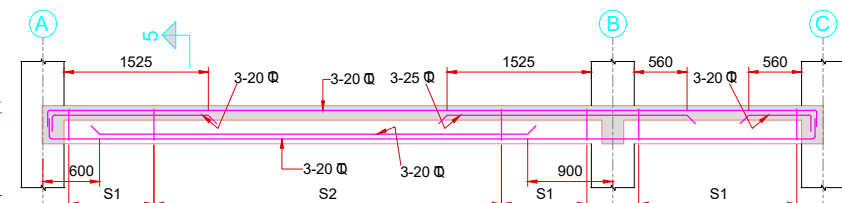
STATUS	SCALE: A2 AS SHOWN	A3	DATE: APR 2019	DRG. NO. AGICL-DSCL-H-ST-0003	REV. R0
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BEAM LAYOUT AT EL +4.200M
(SLAB THICKNESS 130MM)



BEAM FB4 (300X450)
(1:50)

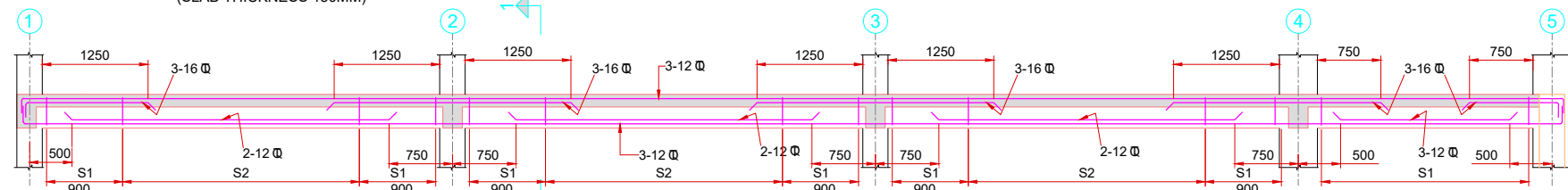


BEAM FB5 (300X450)
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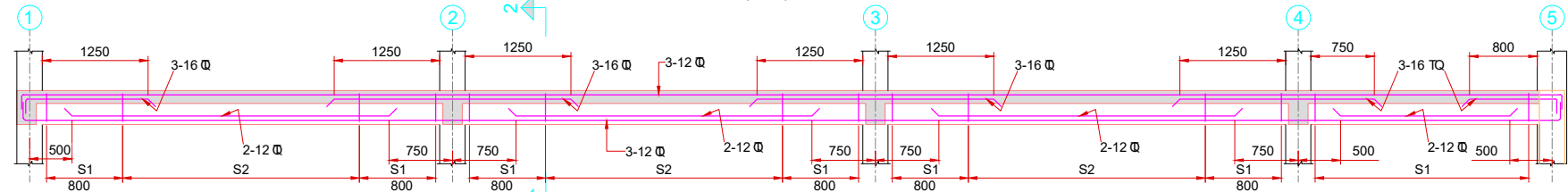
LEGEND
 C/C — CENTER TO CENTER
 Ld — DEVELOPMENT LENGTH
 B — BEAM

GENERAL NOTES

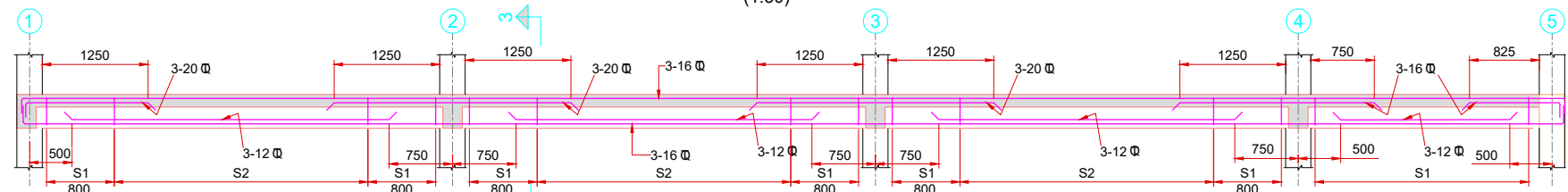
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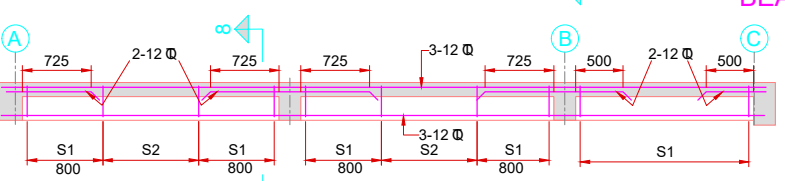
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(1:50)



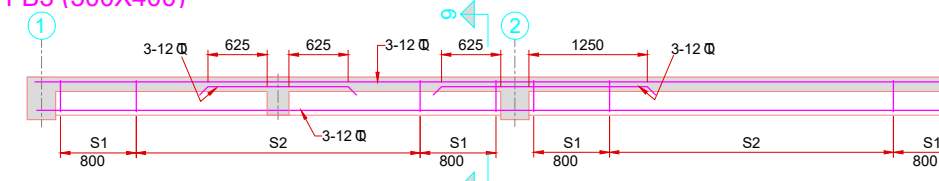
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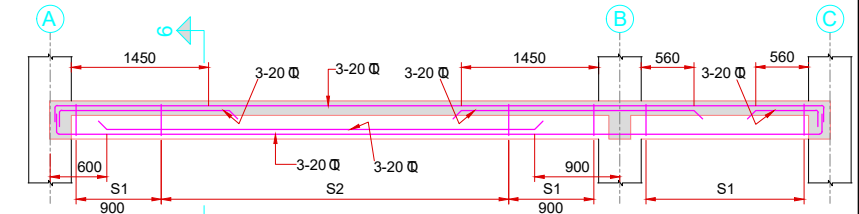
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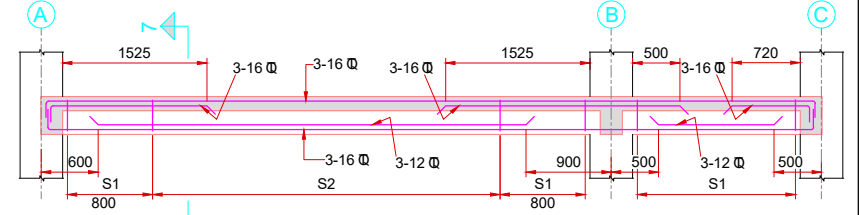
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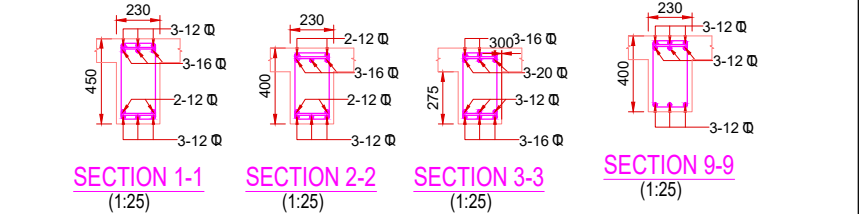
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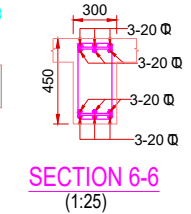
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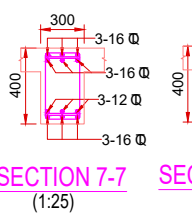
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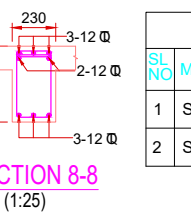
STIRRUPS		
SL NO	MKD	REINFORCEMENT
1	S1	2L-8 @ 100 C/C
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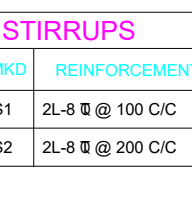
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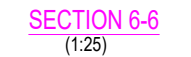
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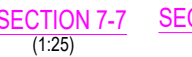
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SECTION 9-9
(1:25)



SECTION 6-6
(1:25)



SECTION 7-7
(1:25)



SECTION 8-8
(1:25)

22/08/2019 - 10:28am
 PATH: G:\Devendra\MOUNTAINERING BUILDING\STRUCTURE DRAWING OF M.B.dwg

DATE	REV	DESCRIPTION OF REVISIONS	BY

CLIENT:

 Step Forward to a Smart Neighbourhood
 SMART CITY PROPOSAL
 Dharamshala Smart City Ltd. (DSCL)

CORE AREA:
 A 5.1- MOUNTAINERING AND PARAGLIDING INSTITUTE

PROJECT MANAGEMENT CONSULTANT:

 IN JOINT VENTURE WITH the infrastructure specialist

PROJECT:
 DHARAMSHALA SMART CITY

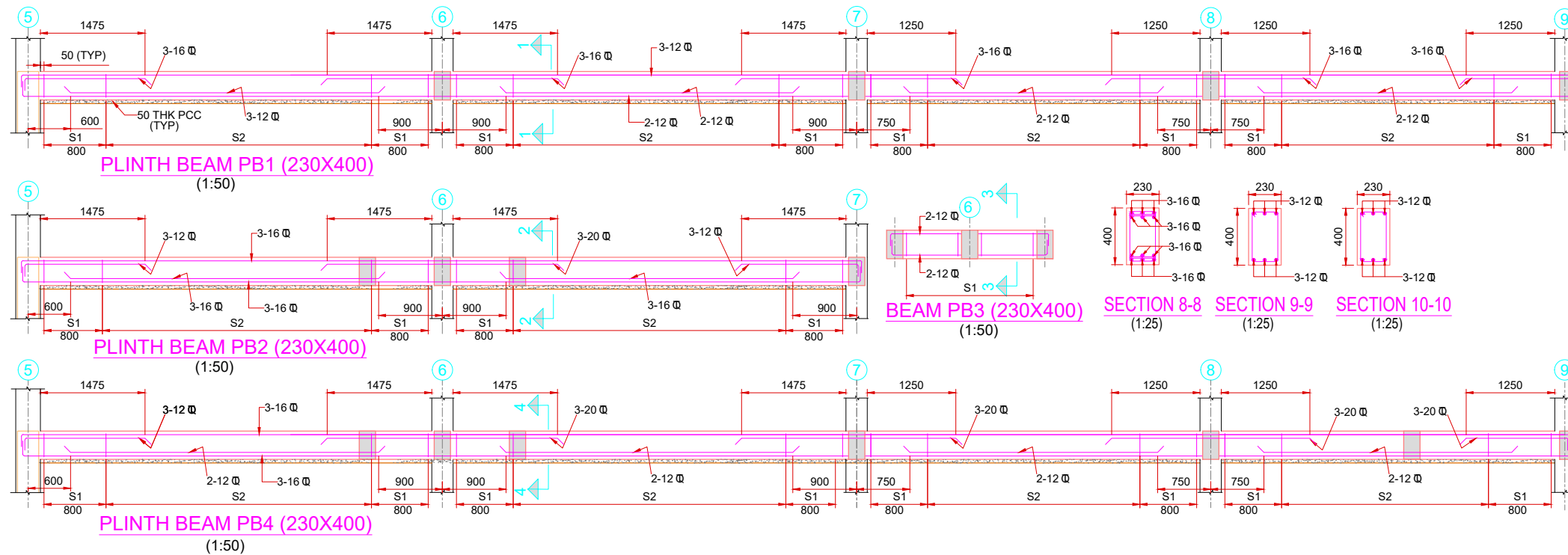
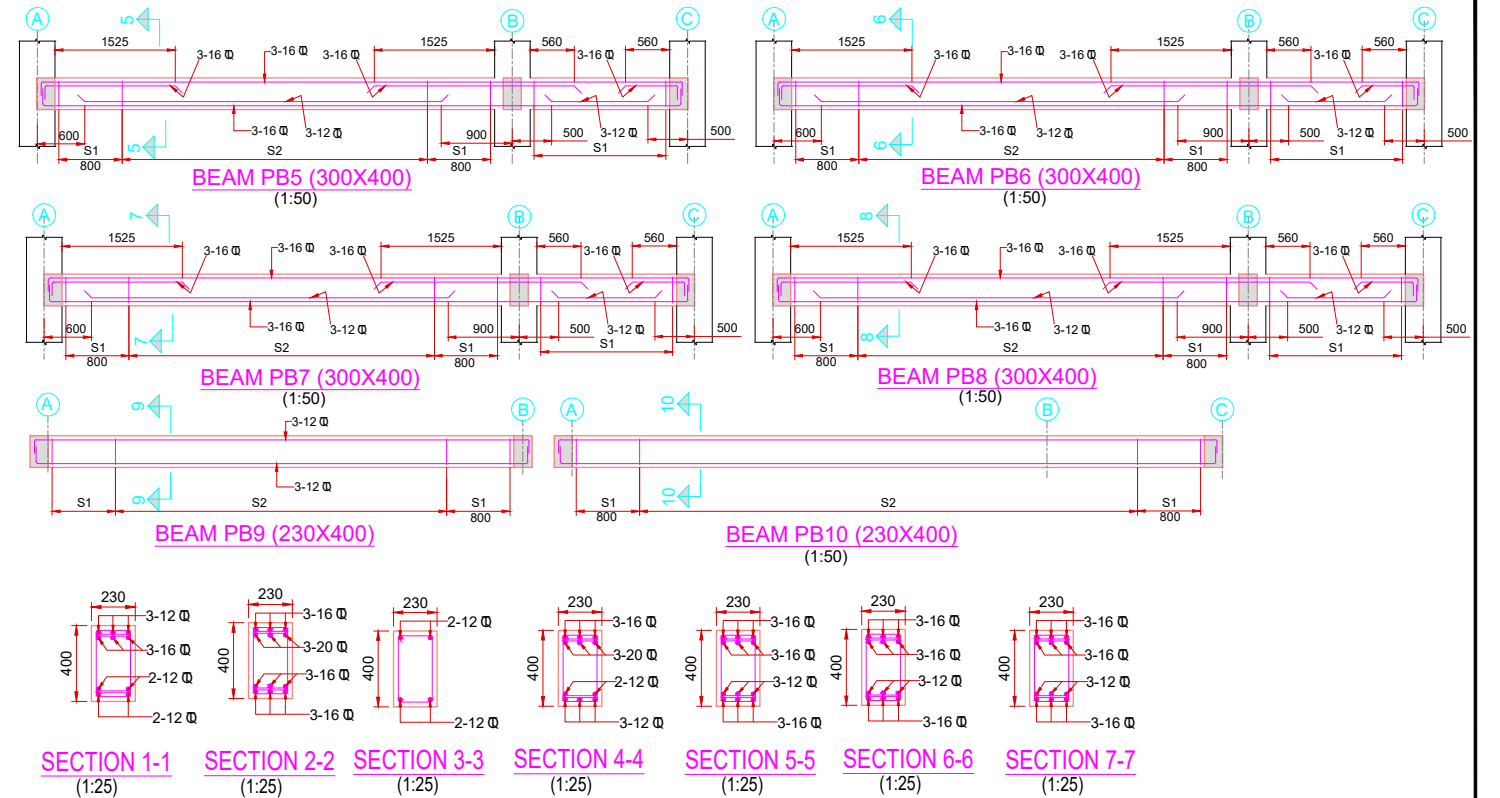
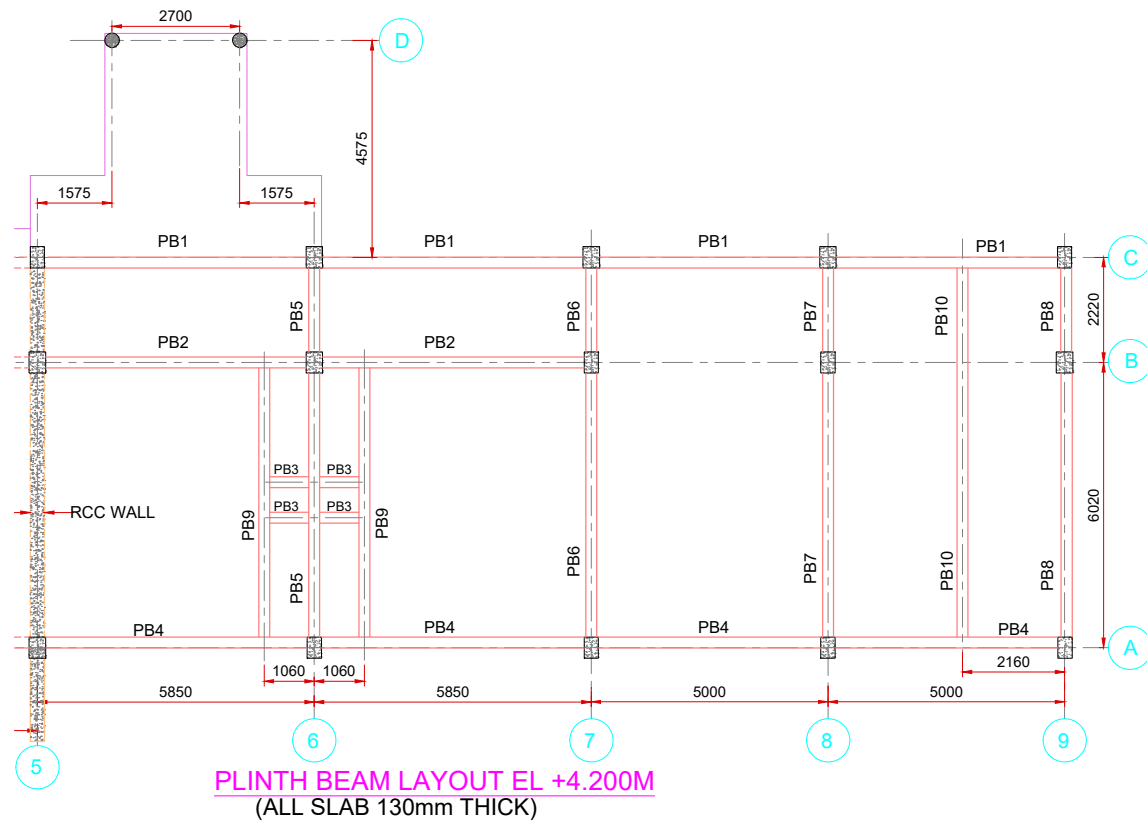
APPROVED BY: S.T
 CHECKED BY: -
 DESIGNED BY: S.A
 DRAWN BY: D.K

TITLE:
 TENDER DRAWING
 MOUNTAINERING BUILDING
 FLOOR BEAM LAYOUT AT EL +4.200M & SECTIONAL DETAILS

STATUS:	SCALE: A2 AS SHOWN	A3	DATE: APR 2019	DRG. NO.: AGICL-DSCL-H-ST-0004	REV.: R0
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PRODUCED BY AN AUTODESK STUDENT VERSION



LEGEND

- C/C — CENTER TO CENTER
- Ld — DEVELOPMENT LENGTH
- TYP — TYPICAL

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22/08/2019 - 10:28am
PATH: F:\MOUNTAINERING INSTITUTE (STRUCTURE DWG).dwg

DATE	REV	DESCRIPTION OF REVISIONS	BY

CLIENT:



Dharamshala Smart City Ltd. (DSCL)

CORE AREA:

A 5.1- MOUNTAINERING AND PARAGLIDING INSTITUTE

PROJECT MANAGEMENT CONSULTANT:



IN JOINT VENTURE WITH 

PROJECT:

DHARAMSHALA SMART CITY

APPROVED BY:	S.T
CHECKED BY:	-
DESIGNED BY:	S.A
DRAWN BY:	A.N

TITLE :

TENDER DRAWING
MOUNTAINERING BUILDING
PLINTH BEAM LAYOUT AT EL +4.200M
& SECTIONAL DETAILS

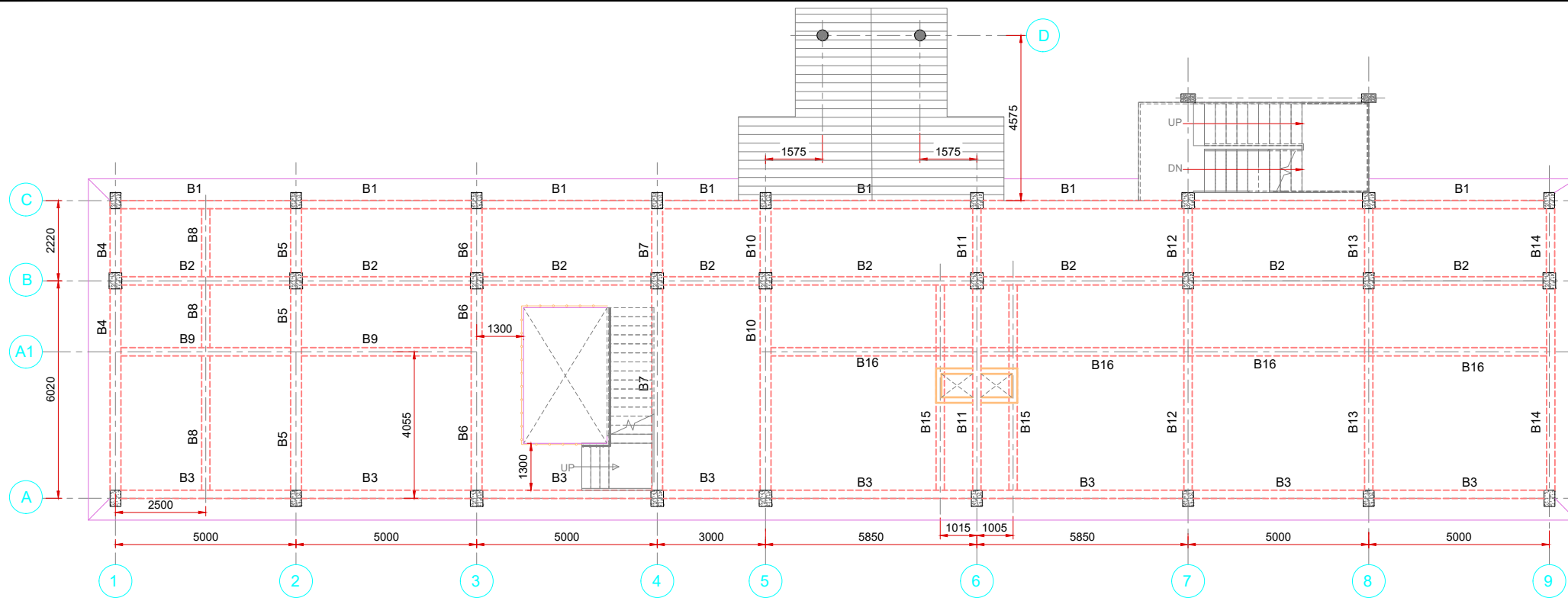
STATUS	SCALE: A2 AS SHOWN	A3	DATE: JUN 2019	DRG. NO.: AGICL-DSCL-H-ST-0005	REV.: R0
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LEGEND

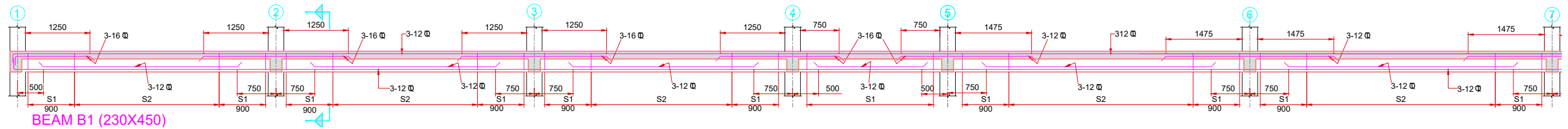
- C/C — CENTER TO CENTER
- Ld — DEVELOPMENT LENGTH
- TYP — TYPICAL

GENERAL NOTES

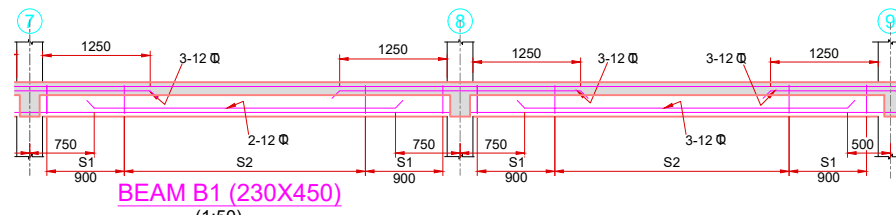
1. ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METERS.
2. PLEASE DO NOT SCALE. WORK TO DIMENSIONS ONLY.
3. ALL STRUCTURAL DRAWINGS ARE TO BE FOLLOWED IN CONJUNCTION WITH ARCHITECT DRAWINGS. ANY DISCREPANCY SHALL BE GOT CLARIFIED BEFORE EXECUTION.
4. ALL RCC SHALL BE OF CONTROLLED GRADE M25 IN ACCORDANCE WITH IS:456 UNLESS NOTED OTHERWISE.
5. ALL REINFORCEMENT SHALL BE HIGH YIELD STRENGTH DEFORMED BAR OF GRADE Fe500 CONFORMING TO IS:1786.
6. LAP LENGTH SHALL BE 50 TIMES THE DIAMETER OF SMALLER BAR BEING LAPPED.
7. COVER TO REINFORCEMENT:-
a) PLINTH BEAM = 25MM
8. DEVELOPMENT LENGTH SHALL BE 50 TIMES THE DIAMETER OF BAR.
9. ALL REINFORCEMENT LAPPINGS SHOULD BE STAGGERED.



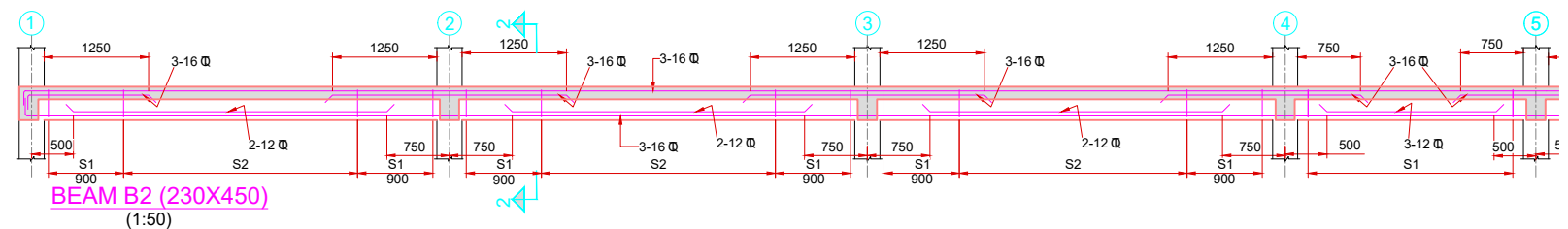
BEAM LAYOUT AT EL +7.350M
(ALL SLAB 130mm THICK)



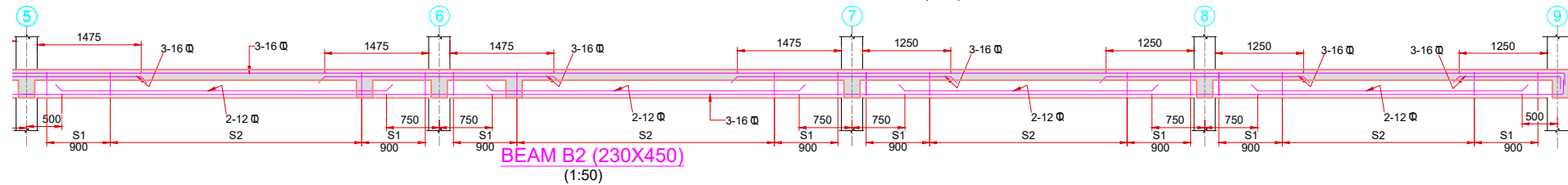
BEAM B1 (230X450)



BEAM B1 (230X450)
(1:50)



BEAM B2 (230X450)
(1:50)



BEAM B2 (230X450)
(1:50)

22/08/2019 - 10:32am
PATH: F:\MOUNTAINEERING INSTITUTE (STRUCTURE DRG).dwg

DATE	REV	DESCRIPTION OF REVISIONS	BY

CLIENT:



Divine Dharamshala
Step Forward to a Smart Neighbourhood
SMART CITY PROPOSAL

Dharamshala Smart City Ltd. (DSCL)

CORE AREA:

A 5.1- MOUNTAINEERING AND PARAGLIDING INSTITUTE

PROJECT MANAGEMENT CONSULTANT:



ILF CONSULTING ENGINEERS

IN JOINT VENTURE WITH



almondz
the infrastructure specialist

PROJECT:

DHARAMSHALA SMART CITY

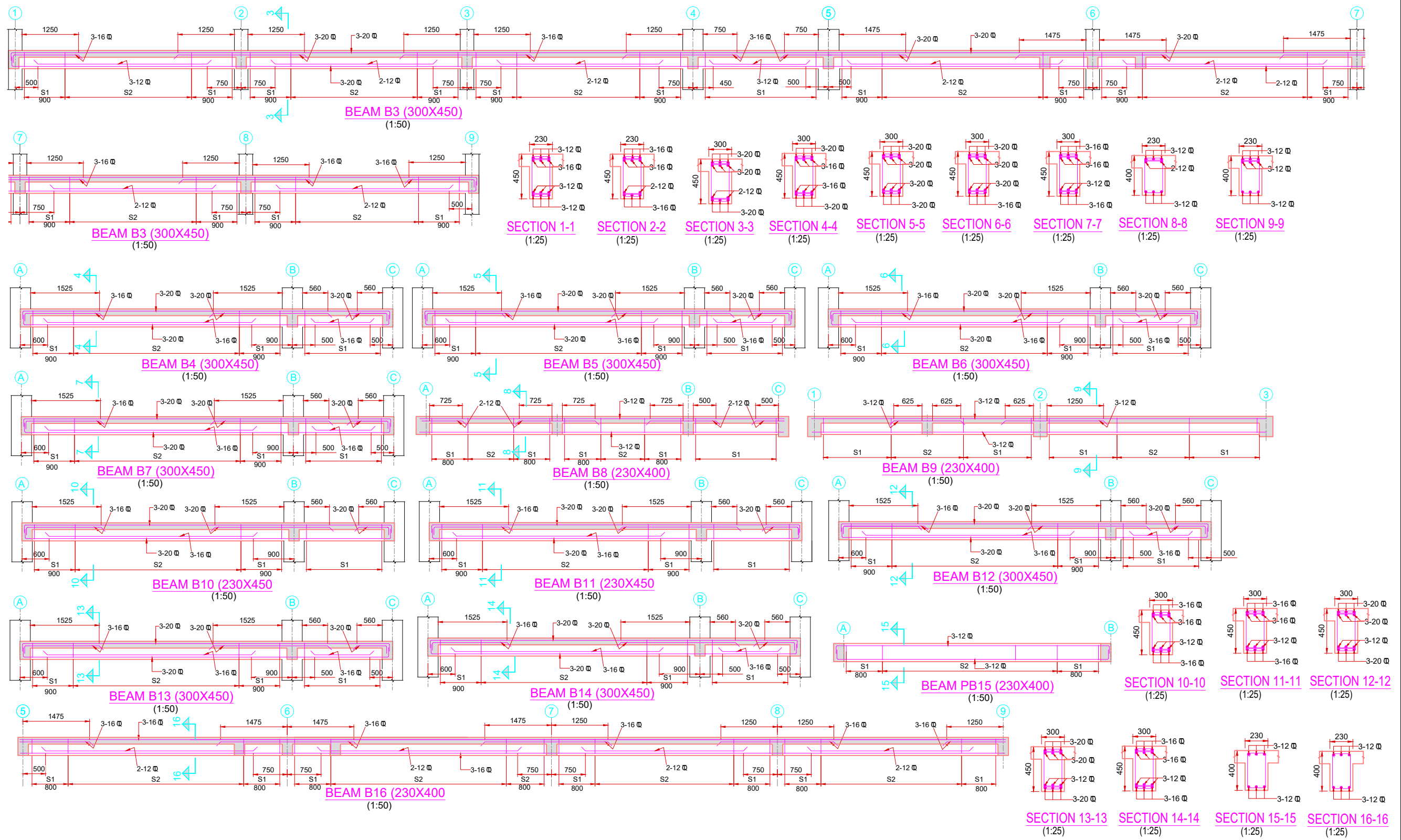
APPROVED BY:	S.T
CHECKED BY:	-
DESIGNED BY:	S.A
DRAWN BY:	D.K

TITLE :

TENDER DRAWING
MOUNTAINEERING BUILDING
COLUMN LAYOUT & DETAILS

DRG. NO. AGICL-DSCL-H-ST-0006

SCALE: A2 AS SHOWN A3 DATE: APR 2019 SH.1 REV. R0



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PRODUCED BY AN AUTODESK STUDENT VERSION

22/08/2019 - 10:32am
PATH: F:\MOUNTAINEERING INSTITUTE (STRUCTURE DRG).dwg

DATE	REV	DESCRIPTION OF REVISIONS	BY

CLIENT:



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Step Forward to a Smart Neighbourhood
SMART CITY PROPOSAL

Dharamshala Smart City Ltd. (DSCL)

CORE AREA:

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PROJECT MANAGEMENT CONSULTANT:




ILF CONSULTING ENGINEERS
IN JOINT VENTURE WITH almondz
the infrastructure specialist

PROJECT:

DHARAMSHALA SMART CITY

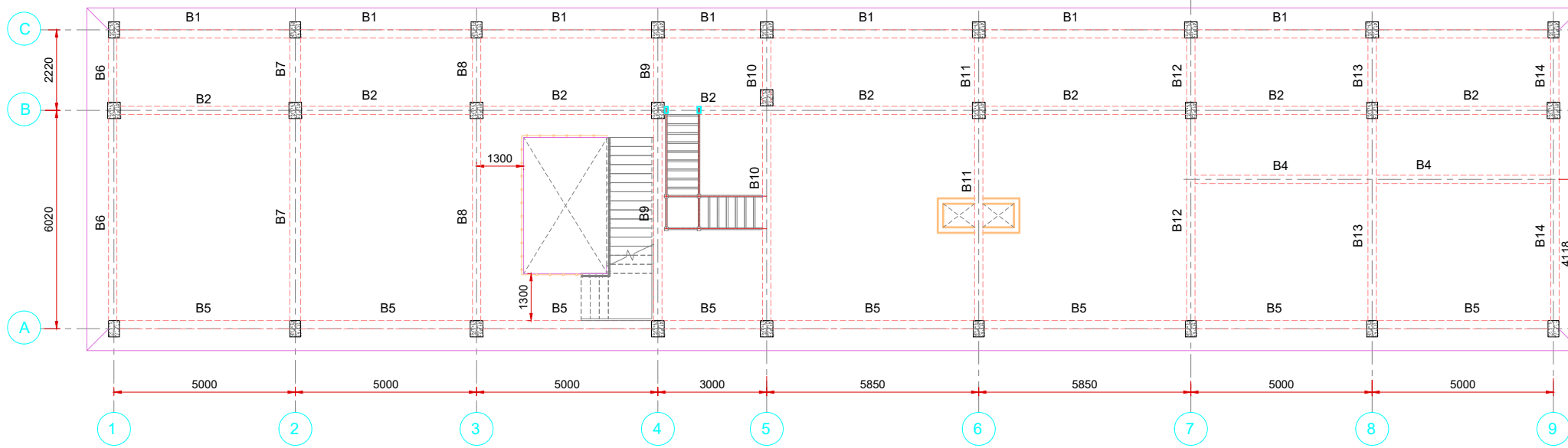
APPROVED BY: S.T
CHECKED BY: -
DESIGNED BY: S.A
DRAWN BY: D.K

TITLE:

TENDER DRAWING
MOUNTAINEERING BUILDING
COLUMN LAYOUT & DETAILS

DRG. NO. AGICL-DSCL-H-ST-0007

STATUS: SCALE: A2 AS SHOWN A3 DATE: APR 2019 REV. R0

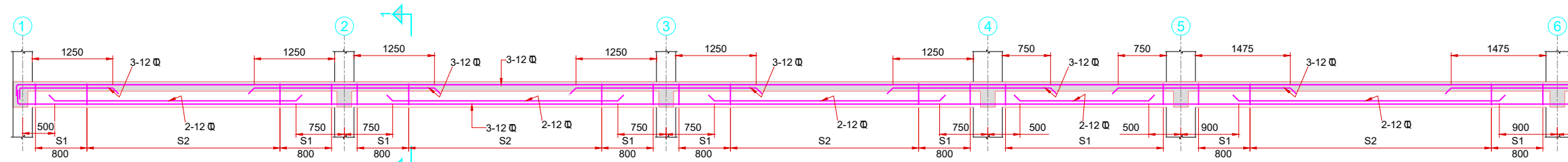


BEAM LAYOUT AT EL +10.500M
(SLAB THICKNESS 130MM)

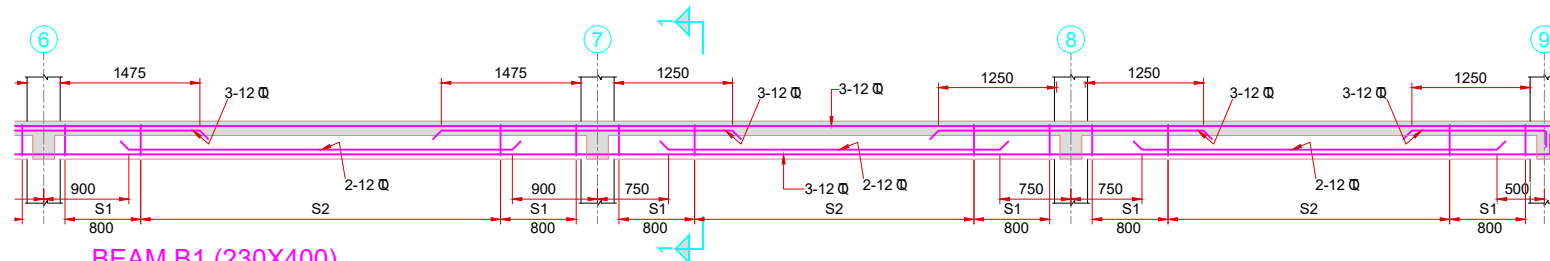
LEGEND
 C/C — CENTER TO CENTER
 Ld — DEVELOPMENT LENGTH
 B — BEAM

GENERAL NOTES

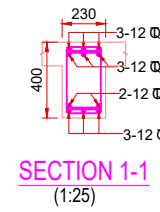
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BEAM B1 (230X400)
(1:50)



BEAM B1 (230X400)
(1:50)



SECTION 1-1
(1:25)

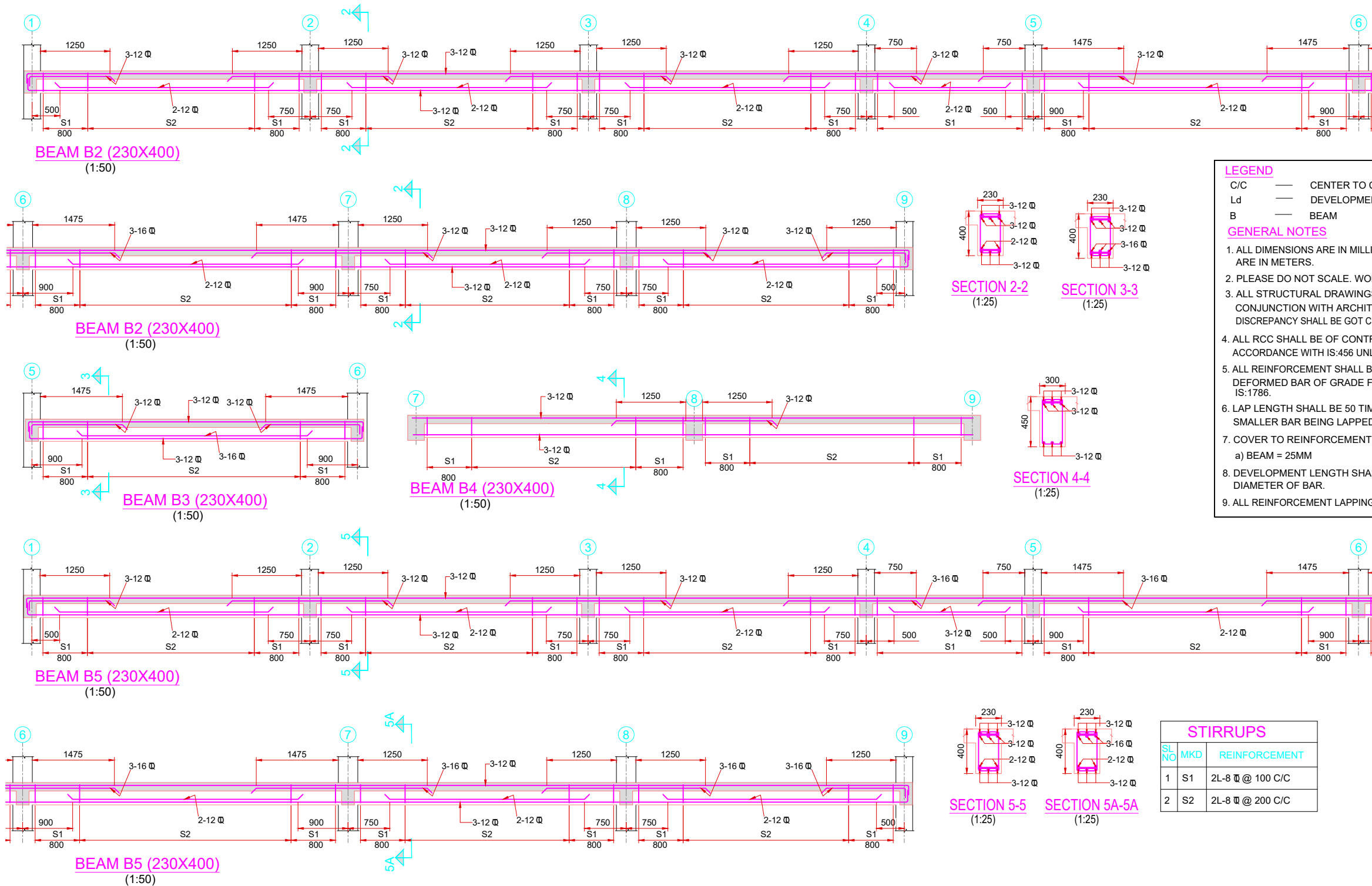
STIRRUPS		
SL NO	MKD	REINFORCEMENT
1	S1	2L-8 @ 100 C/C
2	S2	2L-8 @ 200 C/C

PRODUCED BY AN AUTODESK STUDENT VERSION

PRODUCED BY AN AUTODESK STUDENT VERSION

22/08/2019 - 10:35am
 PATH: G:\Dharamshala\MOUNTAINEERING BUILDING\STRUCTURE DRAWING OF M.B.dwg

DATE		REV	DESCRIPTION OF REVISIONS	BY	CLIENT: Dharamshala Smart City Ltd. (DSCL)	CORE AREA: A 5.1- MOUNTAINEERING AND PARAGLIDING INSTITUTE	PROJECT MANAGEMENT CONSULTANT: IN JOINT VENTURE WITH almondz the infrastructure specialist	PROJECT: DHARAMSHALA SMART CITY	APPROVED BY: S.T	TITLE: TENDER DRAWING MOUNTAINEERING BUILDING FLOOR BEAM LAYOUT AT EL+10.500M & SECTIONAL DETAILS	
					STATUS		SCALE: A2 AS SHOWN	A3	DATE: APR 2019	DRG. NO. AGICL-DSCL-H-ST-0008	REV. R0



LEGEND
 C/C — CENTER TO CENTER
 Ld — DEVELOPMENT LENGTH
 B — BEAM

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STIRRUPS

SL NO	MKD	REINFORCEMENT
1	S1	2L-8 Ø @ 100 C/C
2	S2	2L-8 Ø @ 200 C/C

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PRODUCED BY AN AUTODESK STUDENT VERSION

22/08/2019 - 10:35am
 PATH: G:\Dharamshala\MOUNTAINEERING BUILDING\STRUCTURE DRAWING OF M.B.dwg

DATE	REV	DESCRIPTION OF REVISIONS	BY

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 Step Forward to a Smart Neighbourhood
 SMART CITY PROPOSAL

Dharamshala Smart City Ltd. (DSCL)

CORE AREA:

A 5.1- MOUNTAINEERING AND PARAGLIDING INSTITUTE

PROJECT MANAGEMENT CONSULTANT:




ILF CONSULTING ENGINEERS
 IN JOINT VENTURE WITH
 almondz the infrastructure specialist

PROJECT:

DHARAMSHALA SMART CITY

APPROVED BY: S.T
CHECKED BY: -
DESIGNED BY: S.A
DRAWN BY: D.K

TITLE:

TENDER DRAWING
 MOUNTAINEERING BUILDING
 FLOOR BEAM LAYOUT AT EL+10.500M & SECTIONAL DETAILS

DRG. NO. AGICL-DSCL-H-ST-0009

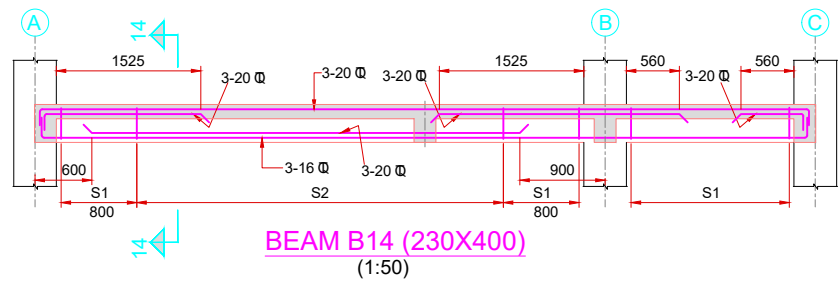
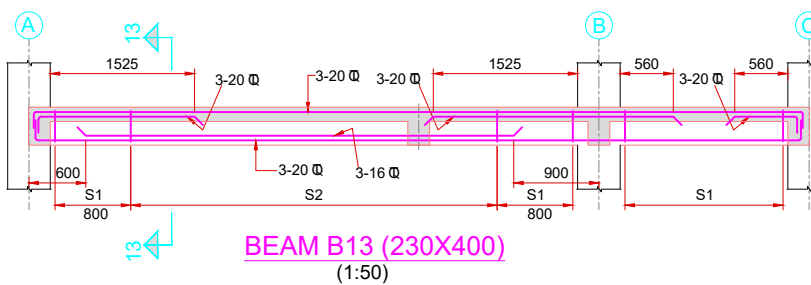
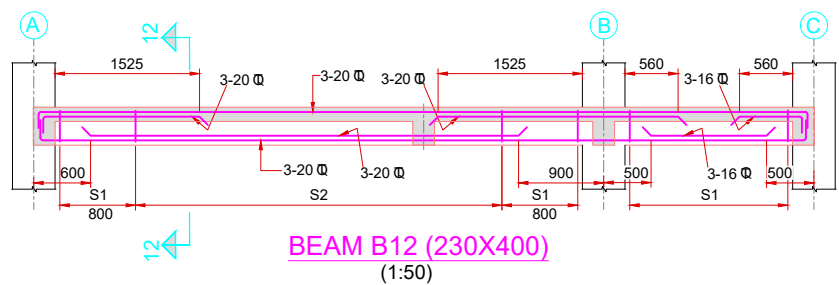
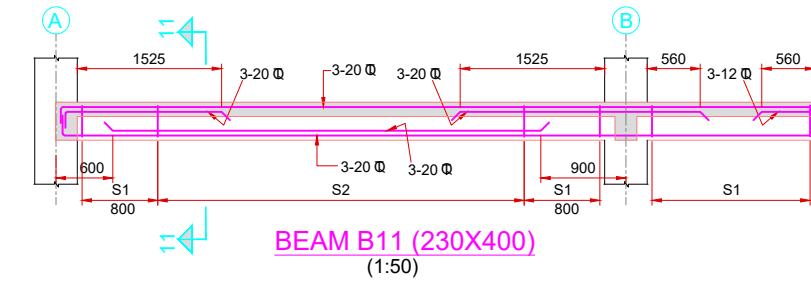
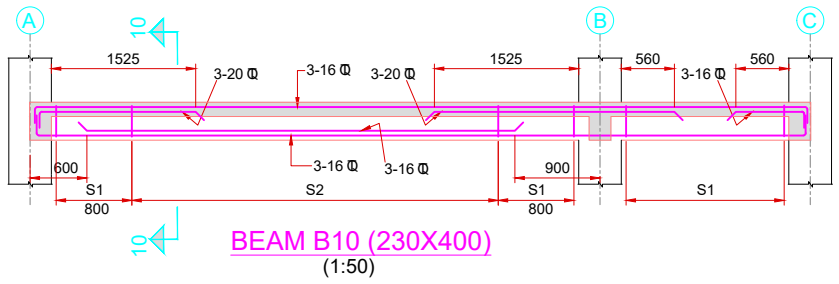
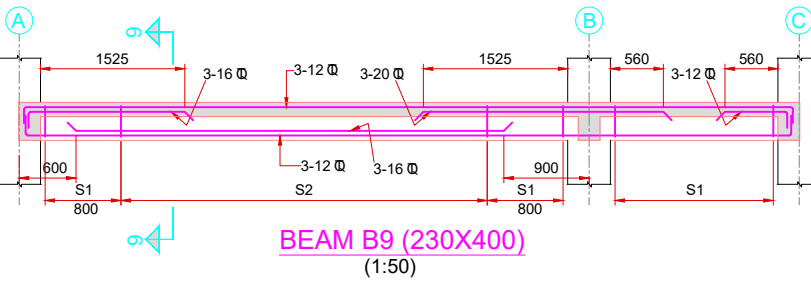
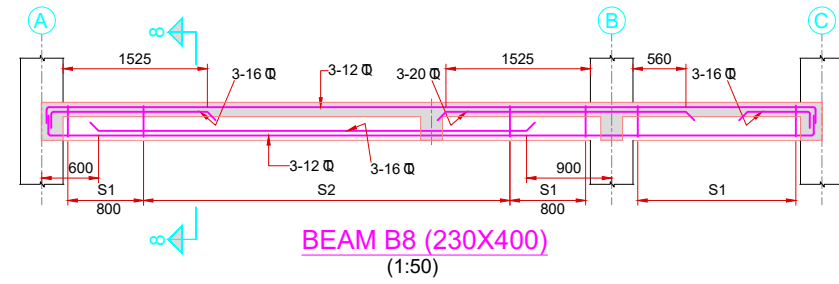
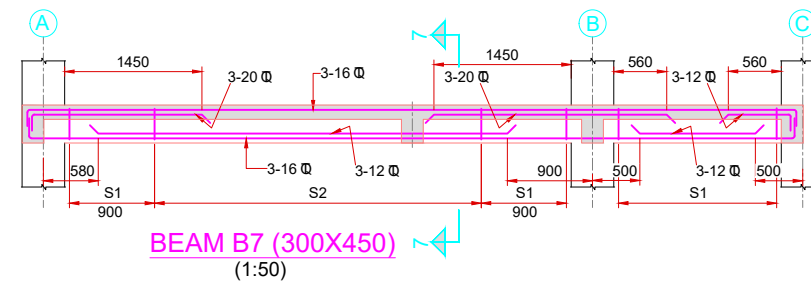
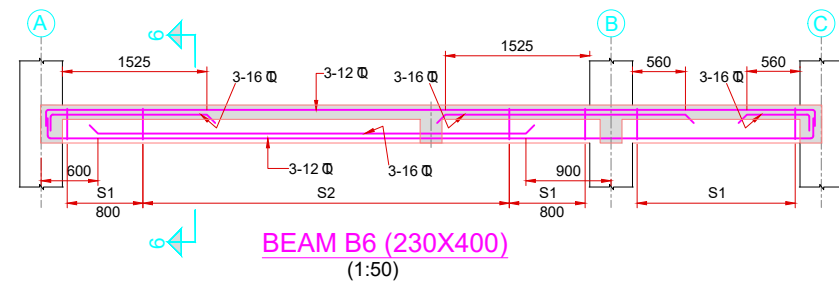
SCALE: A2 AS SHOWN
DATE: APR 2019
REV. R0

LEGEND

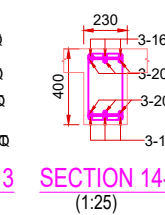
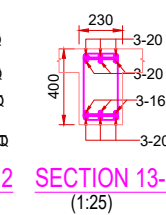
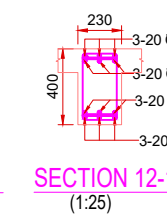
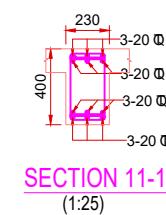
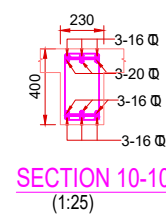
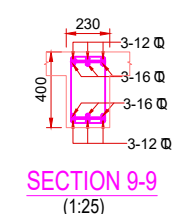
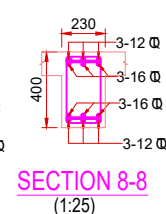
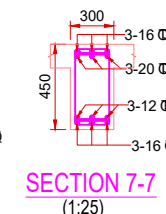
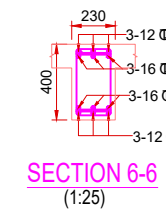
- C/C — CENTER TO CENTER
- Ld — DEVELOPMENT LENGTH
- B — BEAM

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STIRRUPS		
SL NO	MKD	REINFORCEMENT
1	S1	2L-8 @ 100 C/C
2	S2	2L-8 @ 200 C/C



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22/08/2019 - 10:35am
PATH: G:\Dharamshala\MOUNTAINEERING BUILDING\STRUCTURE DRAWING OF M.B.dwg

DATE	REV	DESCRIPTION OF REVISIONS	BY

CLIENT:



Step Forward to a Smart Neighbourhood
SMART CITY PROPOSAL

Dharamshala Smart City Ltd. (DSCL)

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PROJECT MANAGEMENT CONSULTANT:



ILF CONSULTING ENGINEERS

IN JOINT VENTURE WITH



almondz
the infrastructure specialist

PROJECT:

DHARAMSHALA SMART CITY

APPROVED BY: S.T

CHECKED BY: -

DESIGNED BY: S.A

DRAWN BY: D.K

TITLE:

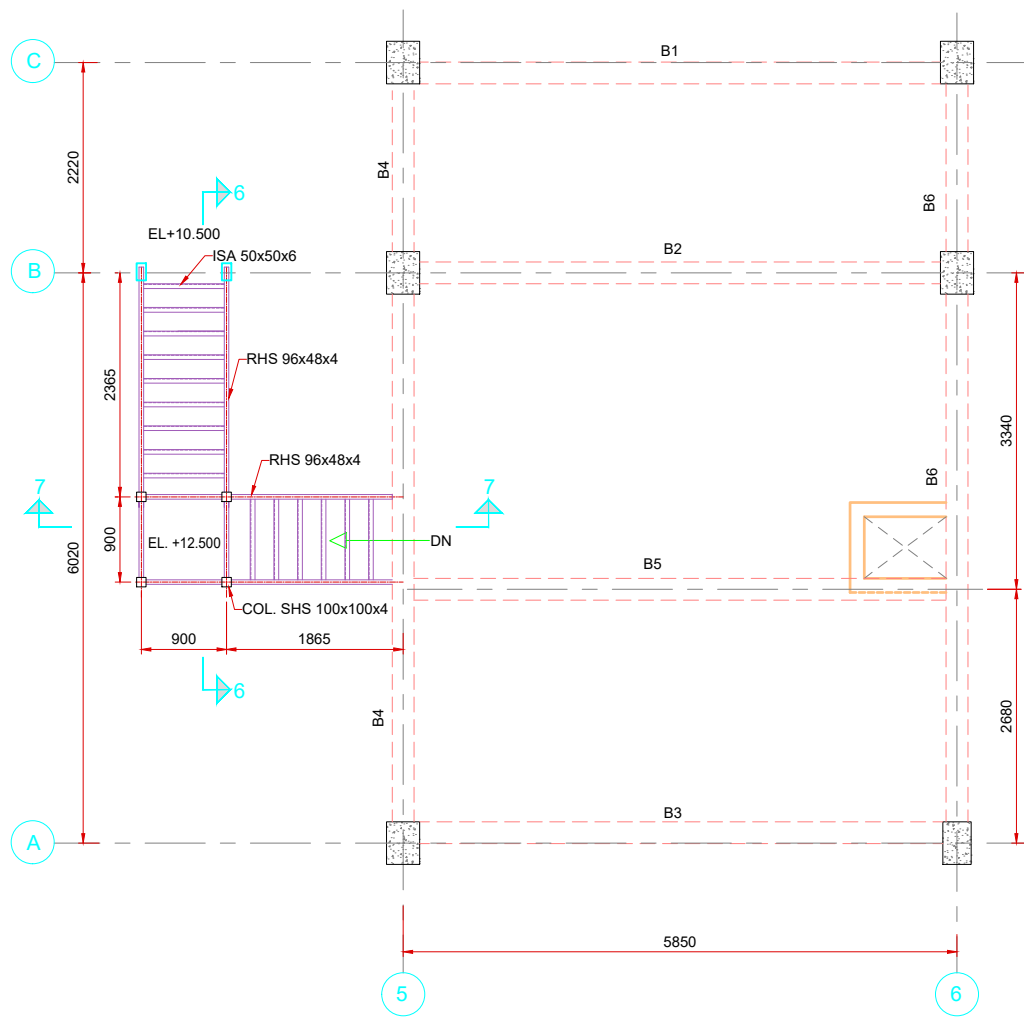
TENDER DRAWING
MOUNTAINEERING BUILDING
FLOOR BEAM LAYOUT AT EL+10.500M & SECTIONAL DETAILS

DRG. NO. AGICL-DSCL-H-ST-00010

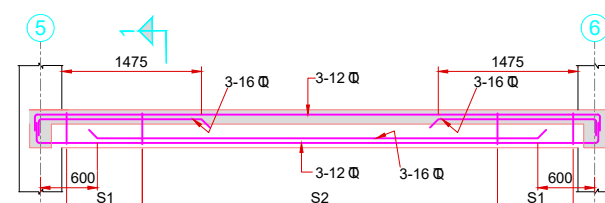
REV. R0

PRODUCED BY AN AUTODESK STUDENT VERSION

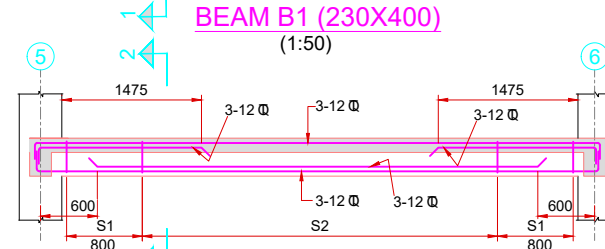
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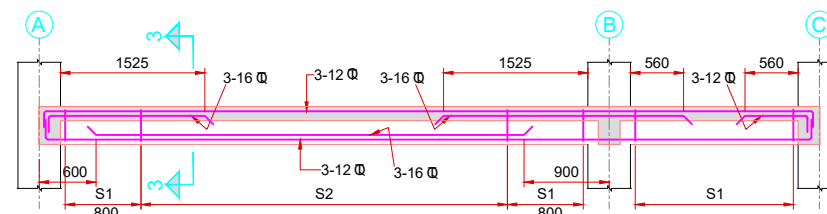
MAZZENINE FLOOR AT EL +14.100M
(SLAB THICKNESS 130MM)



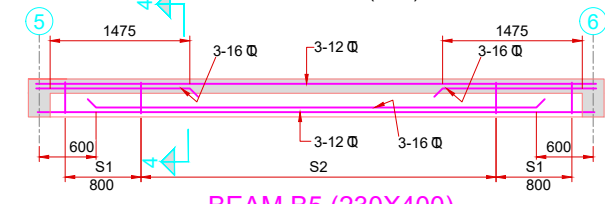
BEAM B1 (230X400)
(1:50)



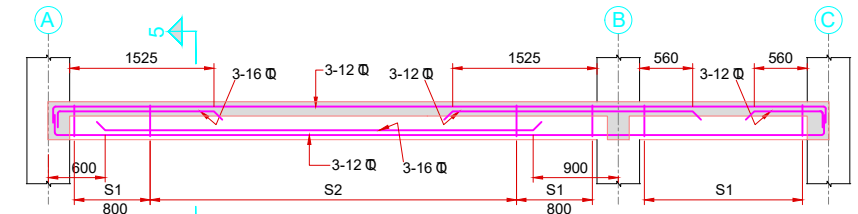
BEAM B2 & B3 (230X400)
(1:50)



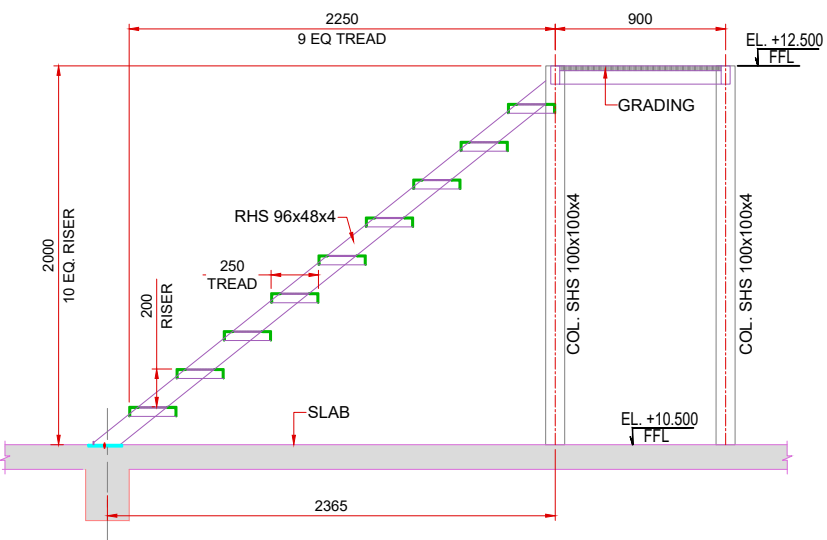
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(1:50)



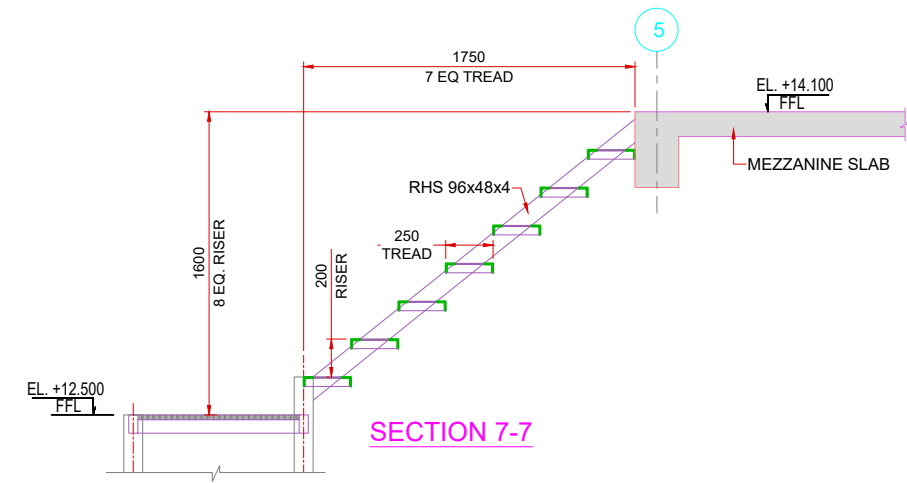
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(1:50)



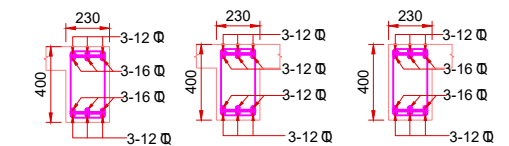
BEAM B6 (230X400)
(1:50)



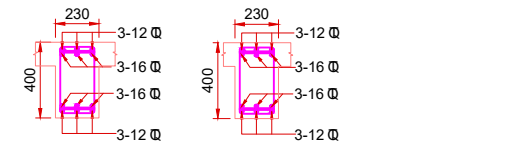
SECTION 6-6



SECTION 7-7



SECTION 1-1 (1:25), **SECTION 2-2 (1:25)**, **SECTION 3-3 (1:25)**



SECTION 4-4 (1:25), **SECTION 5-5 (1:25)**

LEGEND

- C/C — CENTER TO CENTER
- Ld — DEVELOPMENT LENGTH
- B — BEAM

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22/08/2019 - 10:35am
PATH: G:\Dharamshala\MOUNTAINERING BUILDING\STRUCTURE DRAWING OF M.B.dwg

DATE	REV	DESCRIPTION OF REVISIONS	BY

CLIENT:

 Dharamshala Smart City Ltd. (DSCL)

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 A 5.1- MOUNTAINERING AND PARAGLIDING INSTITUTE

PROJECT MANAGEMENT CONSULTANT:
 **ILF** CONSULTING ENGINEERS
IN JOINT VENTURE WITH  **almondz** the infrastructure specialist

PROJECT:
DHARAMSHALA SMART CITY

APPROVED BY: S.T
CHECKED BY: -
DESIGNED BY: S.A
DRAWN BY: D.K

TITLE:
 TENDER DRAWING
 MOUNTAINERING BUILDING
 MEZZANINE FLOOR BEAM
 LAYOUT & STAIRCASE
 SECTIONAL DETAILS

STATUS: SCALE: A2 AS SHOWN A3 DATE: APR 2019 DRG. NO. **AGICL-DSCL-H-ST-00011** REV. R0 SH.1

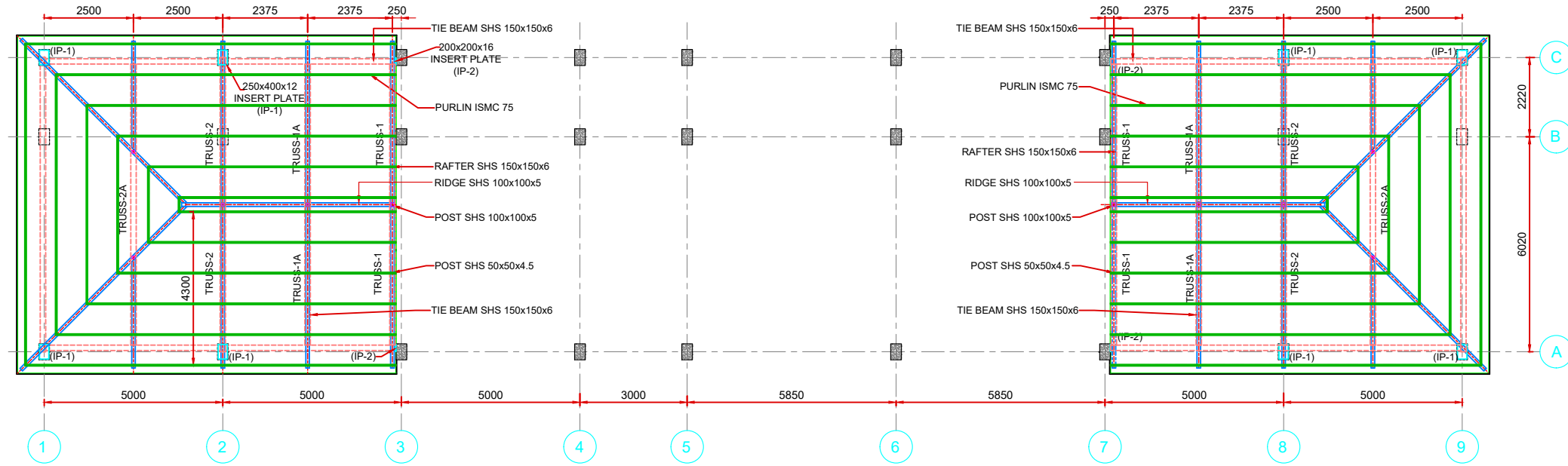
PRODUCED BY AN AUTODESK STUDENT VERSION

ROOF DETAIL DRAWING

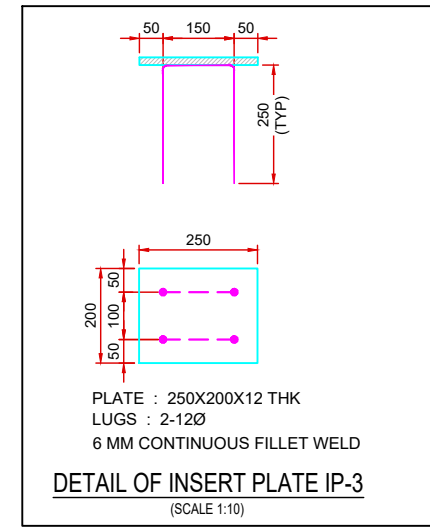
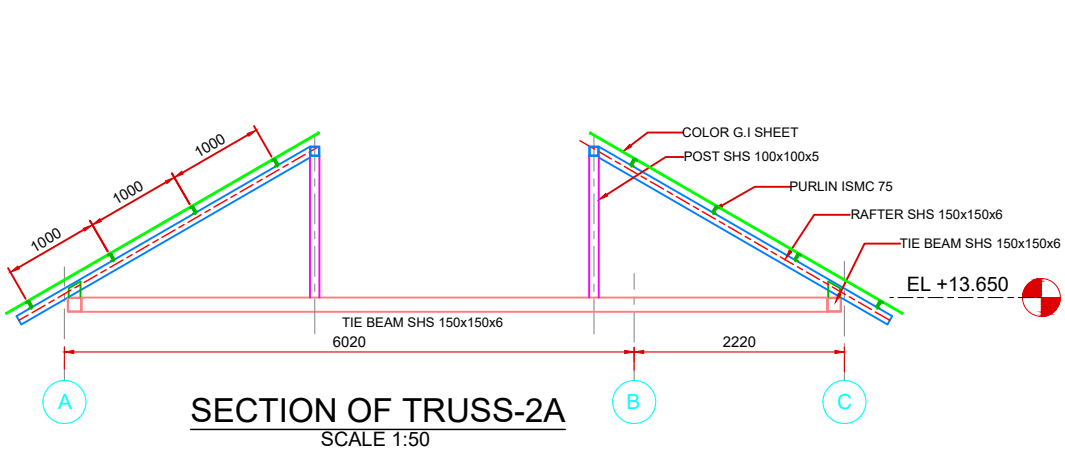
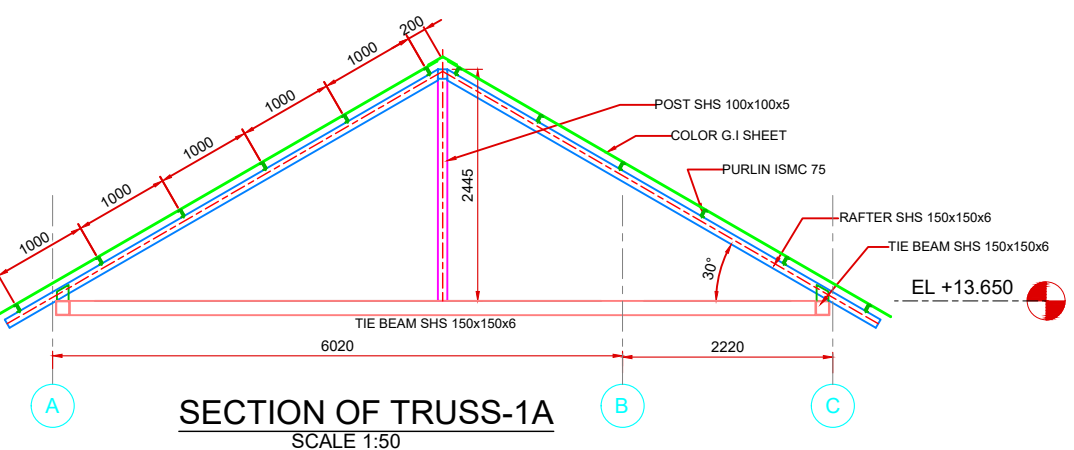
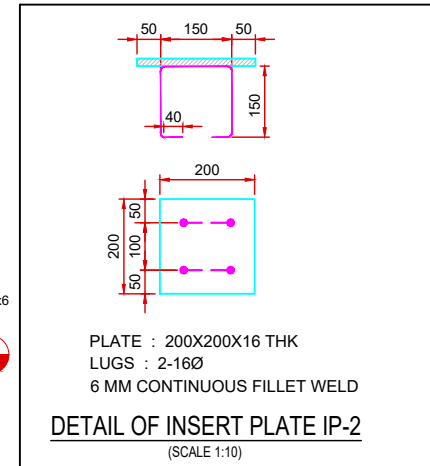
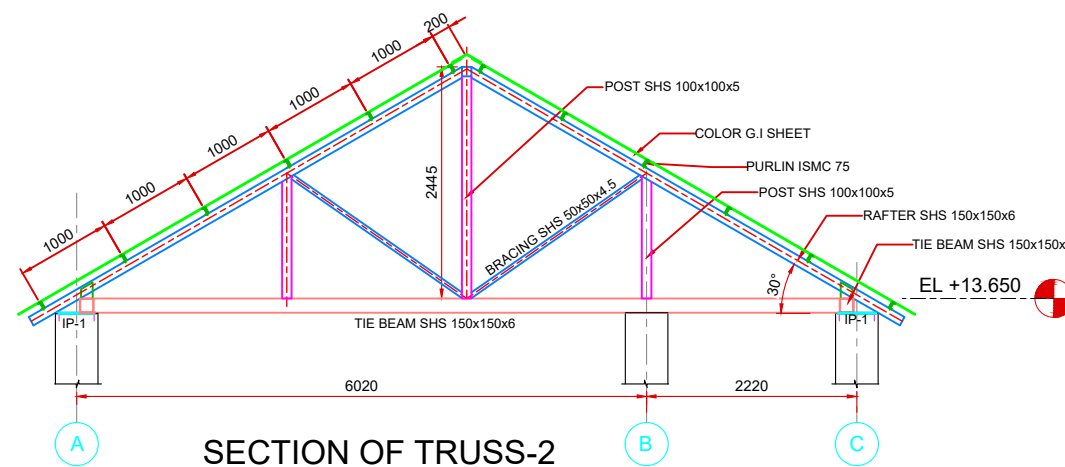
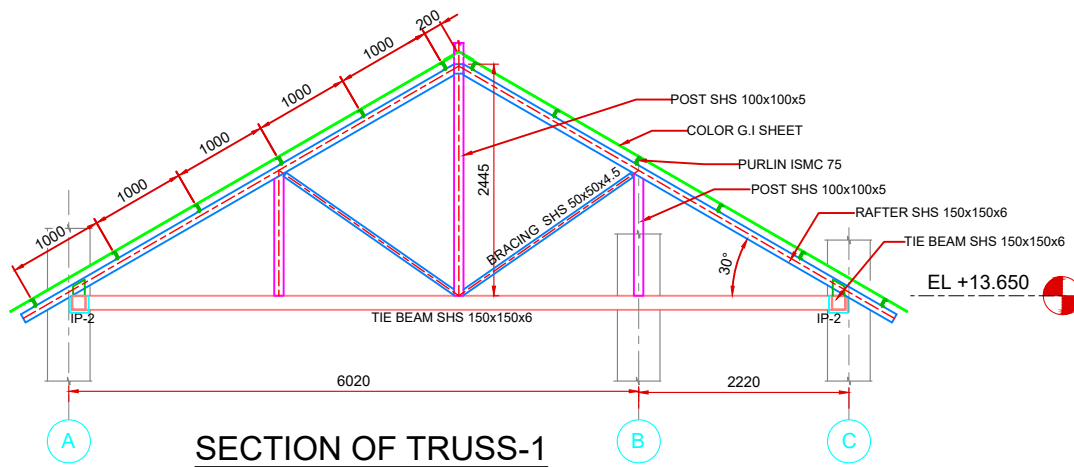
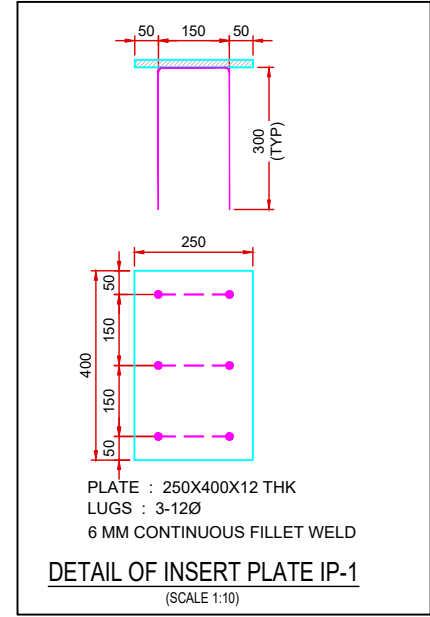
PRODUCED BY AN AUTODESK STUDENT VERSION

PRODUCED BY AN AUTODESK STUDENT VERSION

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ROOF PLAN AT EL+13.650M



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21/08/2019 - 3:38pm
PATH: G:\Dharamshala\MOUNTAINEERING BUILDING\MOUNTAINEERING INSTITUTE drawing.dwg

DATE	REV	DESCRIPTION OF REVISIONS	BY

CLIENT:



Dharamshala Smart City Ltd. (DSCL)

CORE AREA:

A 5.1- MOUNTAINEERING AND PARAGLIDING INSTITUTE

PROJECT MANAGEMENT CONSULTANT:




IN JOINT VENTURE WITH

PROJECT:

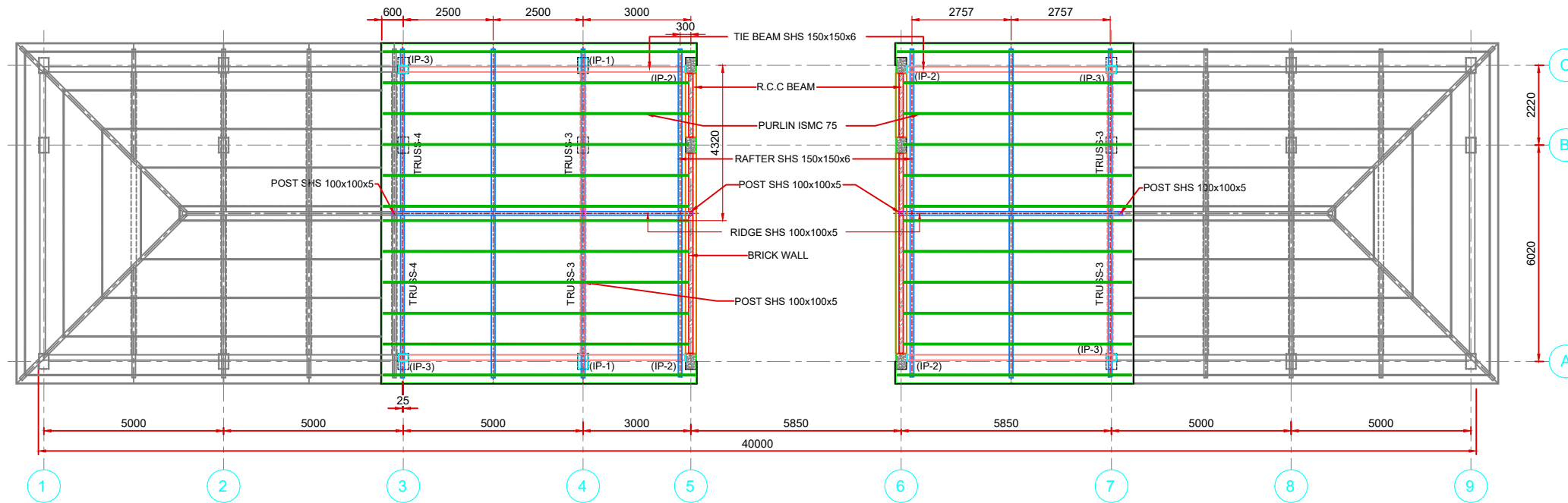
DHARAMSHALA SMART CITY

APPROVED BY:	S.T
CHECKED BY:	-
DESIGNED BY:	D.K
DRAWN BY:	D.K

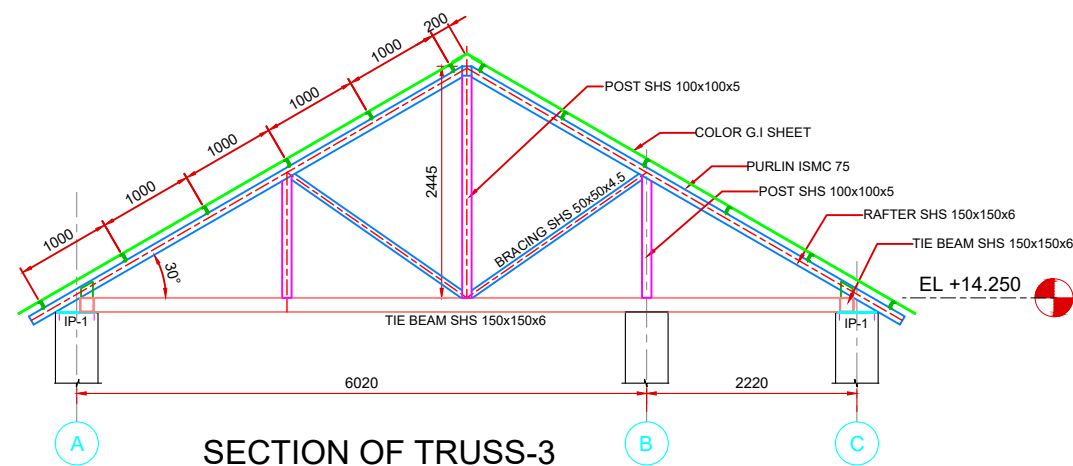
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TENDER DRAWINGS
MOUNTAINEERING BUILDING
ROOF STRUCTURE AT EL
+13.650 & 13.650M AND INSERT
PLATE DETAILS

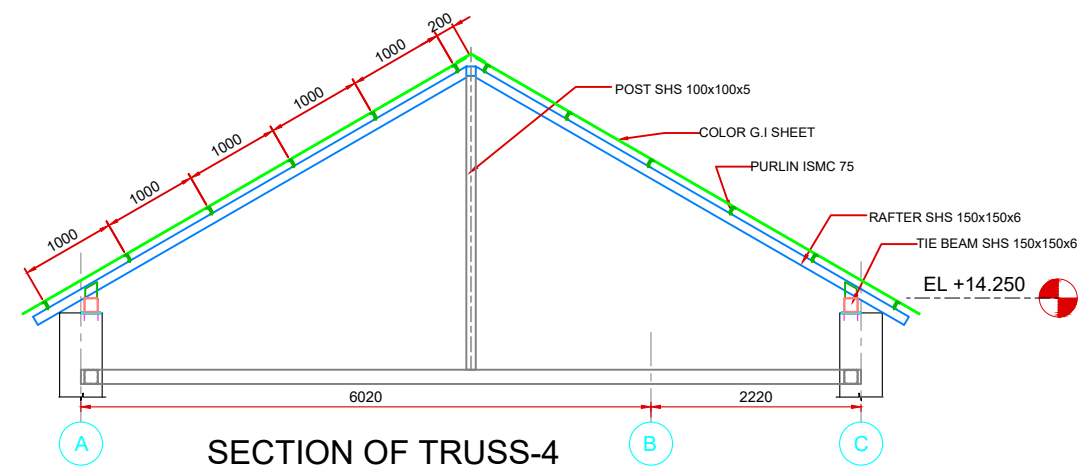
STATUS	SCALE: A2 AS SHOWN	A3	DATE: MAR 2019	DRG. NO. AGICL-DSCL-H-MB-ST-0001	REV. R0
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ROOF PLAN AT EL+14.250M



SECTION OF TRUSS-3
SCALE 1:50






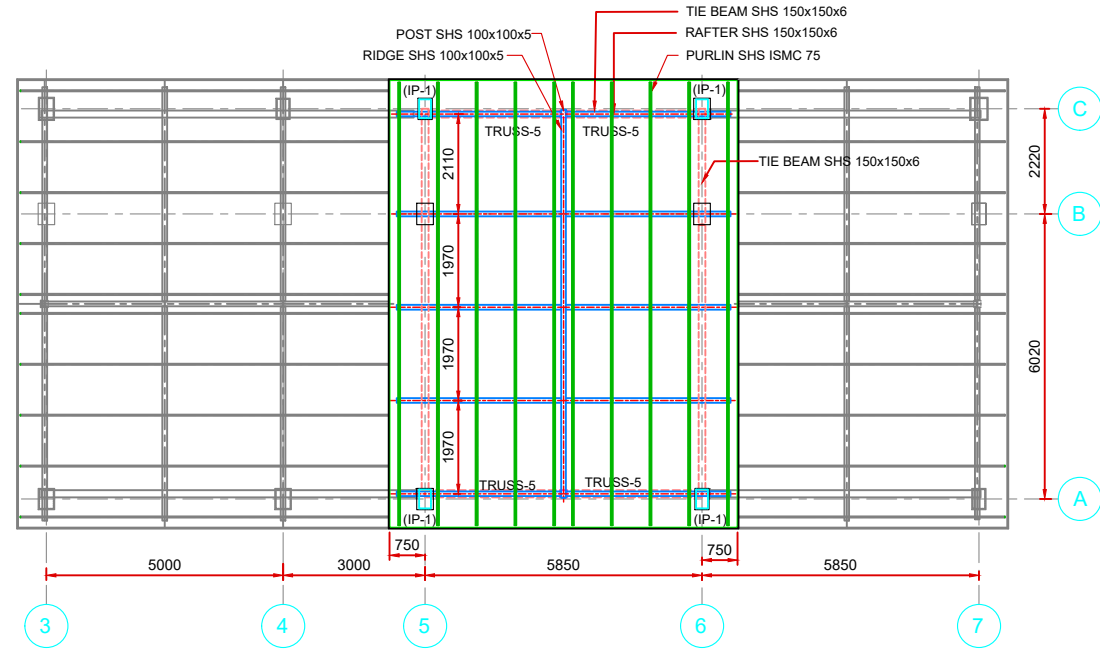
SECTION OF TRUSS-4
SCALE 1:50

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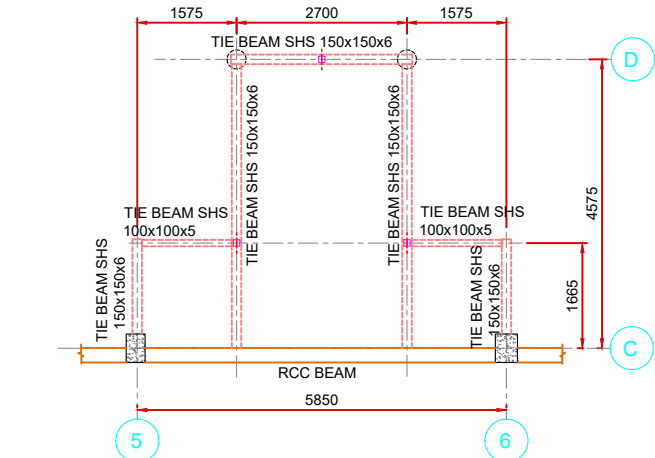
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21/08/2019 - 3:38pm
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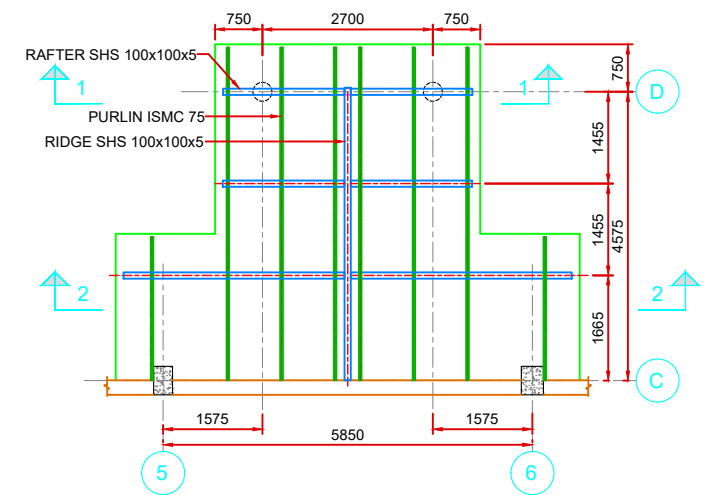
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DATE	REV	DESCRIPTION OF REVISIONS	BY																								
<p>STATUS</p>		<p>SCALE: A2 AS SHOWN</p>	<p>A3</p>	<p>DATE: MAR 2019</p>	<p>DRG. NO. AGICL-DSCL-H-MB-ST-0002</p>	<p>REV. R0</p>	<p>SH.1</p>																				



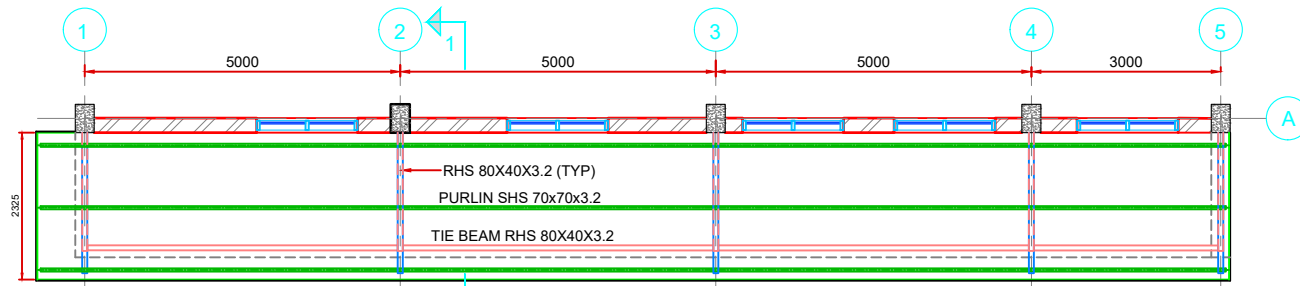
ROOF PLAN AT EL+16.800M



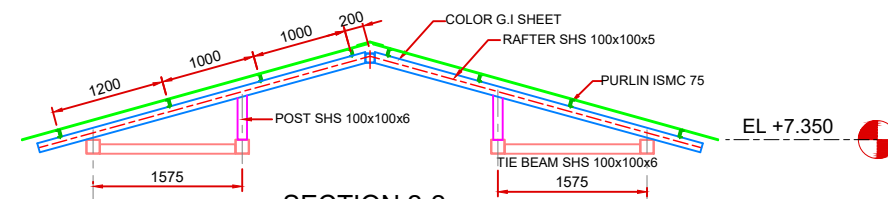
BOTTOM CHORD STRUCTURE PLAN AT EL + 7.350
SCALE 1:75



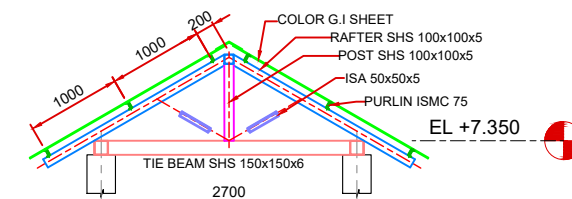
TOP CHORD STRUCTURE PLAN
SCALE 1:75



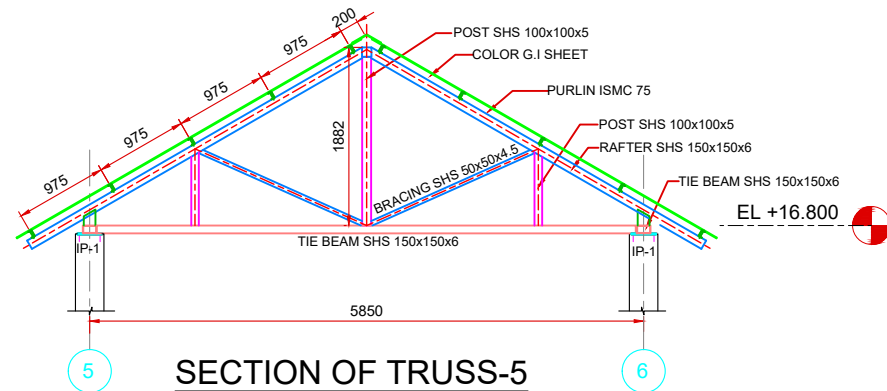
CORRIDOR ROOF STRUCTURE PLAN AT EL + 4.200M
SCALE 1:75



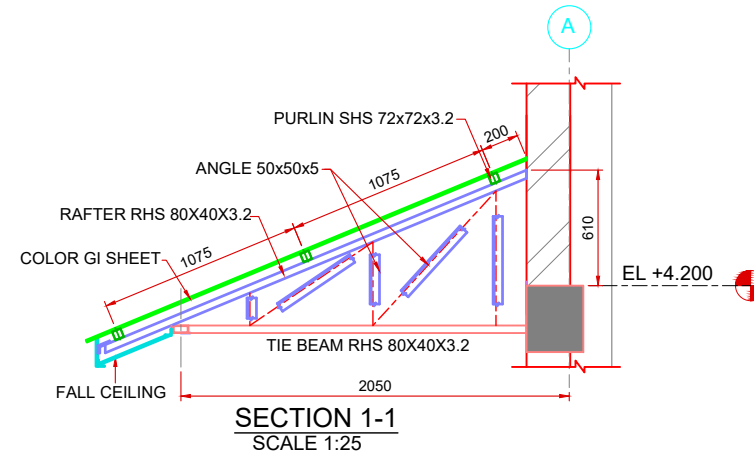
SECTION 2-2
SCALE 1:50



SECTION 1-1
SCALE 1:50



SECTION OF TRUSS-5
SCALE 1:50



SECTION 1-1
SCALE 1:25

21/08/2019 - 3:38pm
PATH: G:\Dharamshala\BUILDING\MOUNTAINEERING INSTITUTE drawing.dwg

DATE	REV	DESCRIPTION OF REVISIONS	BY

CLIENT:



Dharamshala Smart City Ltd. (DSCL)

CORE AREA:
A 5.1- MOUNTAINEERING AND PARAGLIDING INSTITUTE

PROJECT MANAGEMENT CONSULTANT:




IN JOINT VENTURE WITH

PROJECT:
DHARAMSHALA SMART CITY

APPROVED BY:	S.T
CHECKED BY:	-
DESIGNED BY:	D.K
DRAWN BY:	D.K

TITLE:
TENDER DRAWINGS
MOUNTAINEERING BUILDING
ROOF STRUCTURE AT EL
+16.800M, CORRIDOR & PORCH
SECTIONAL DETAILS

STATUS	SCALE: A2 AS SHOWN	A3	DATE: MAR 2019	DRG. NO. AGICL-DSCL-H-MB-ST-0003	REV. R0
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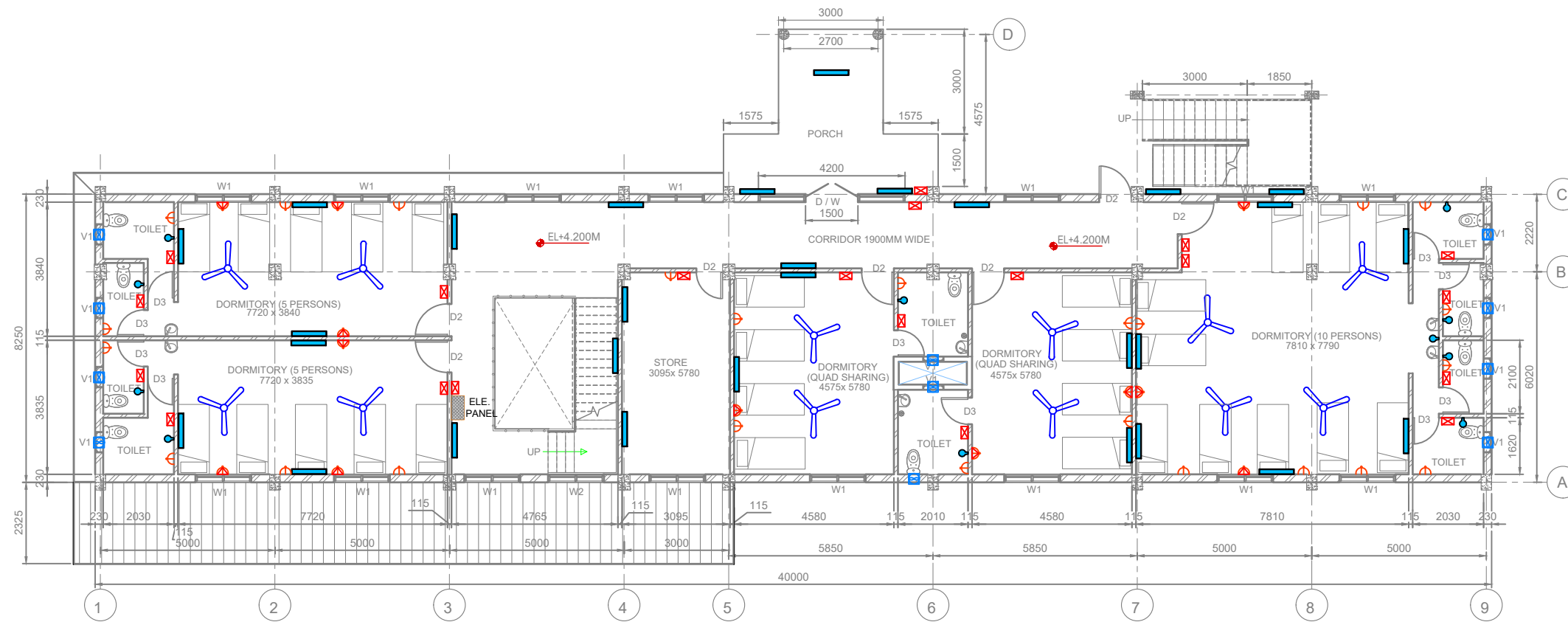
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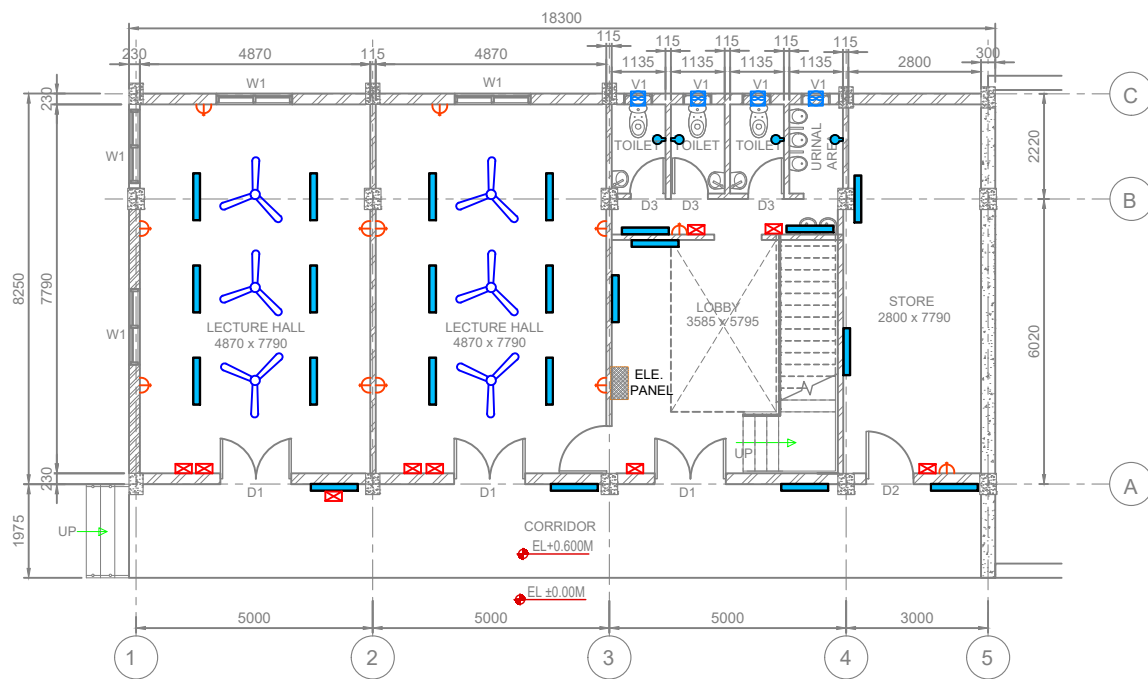
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ELECTRICAL DRAWING

PRODUCED BY AN AUTODESK STUDENT VERSION



GROUND FLOOR PLAN



BASEMENT FLOOR PLAN

NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. THIS LIGHTING LAYOUT HAS BEEN PREPARED BASED ON LED FIXTURES AVAILABLE IN AS PER CURRENT MARKET RATE AND SOR
3. LAYOUT SHOWN IN INDUCTIVE AND MAY BE REQUIRED TO MODIFIED TO SUITABLE SITE CONDITIONS IN CONSULTATION WITH SITE ENGINEER.
4. LIGHTING INSTALLATIONS SHALL BE CARRIED OUT ONLY AFTER ALL CIVIL WORKS IN THE PARTICULAR AREA HAVE BEEN COMPLETED
5. THIS SLD IS INDUCTIVE AND FOR REFERENCE PURPOSE ONLY.
6. EARTHING FOR LIGHT FIXTURES SHALL BE PROVIDE AS PER RELEVANT STANDARDS.
7. ALL LIGHTING PANELS SHALL BE SUITABLE FOR WALL/COLUMN MOUNTING.
8. ALL LIGHTING FIXTURES SHALL BE WIRED WITH PVC INSULATED 1.5 SQ.MM STANDARD COPPER WIRES WHEREAS RECEPTABLE SHALL BE WIRED WITH 4.0 SQ. MM COPPER WIRES UNLESS OTHERWISE NOTED.
9. WIRES OF DIFFERENT PHASES SHALL NOT RUN IN SAME CONDUCT.
10. LIGHTING PANELS SHALL INSTALLED AT THE FOLLOWING MOUNTING HEIGHT FROM THE FURNISHED FLOOR LEVEL
 LIGHTING PANEL: -1500 MM FROM FFL.
 SWITCH BOARD: -1500 MM FROM FFL.
 RECEPTABLES: -1500 FROM FFL .
11. LOAD(WATTAGE) IS EQUALLY DISTRIBUTED ON ALL THREE PHASES.
12. INSTALLATION WORK HAS TO BE DONE CLOSE COORDINATION WITH CIVIL CONTRACTOR.

LEGEND:-

S.N.	SYMBOL	DESCRIPTION OF SYMBOL	REMARK
1		LED TUBE LIGHT	
2		CEILING FAN	
3		EXHAUST FAN	
4		15AMP POWER PLUG POINT	
5		5AMP PLUG POINT	
6		SWITCH BOARD WITH 5AMP POWER SOCKET	
7		LED LAMP POST	
8		LED BULB	
9		CEILING LIGHT (600x600mm)	

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21/08/2019 - 4:08pm
 PATH: G:\Dharamshala\ENGINEERING BUILDING\M.ELECTRICAL DRAWING.dwg

DATE	REV	DESCRIPTION OF REVISIONS	BY

CLIENT:

Dharamshala Smart City Ltd. (DSCL)

CORE AREA:

PROJECT MANAGEMENT CONSULTANT:

IN JOINT VENTURE WITH

PROJECT:

DHARAMSHALA SMART CITY

APPROVED BY: S.T
 CHECKED BY: P.G
 DESIGNED BY: P.G
 DRAWN BY: D.K

STATUS: AS SHOWN

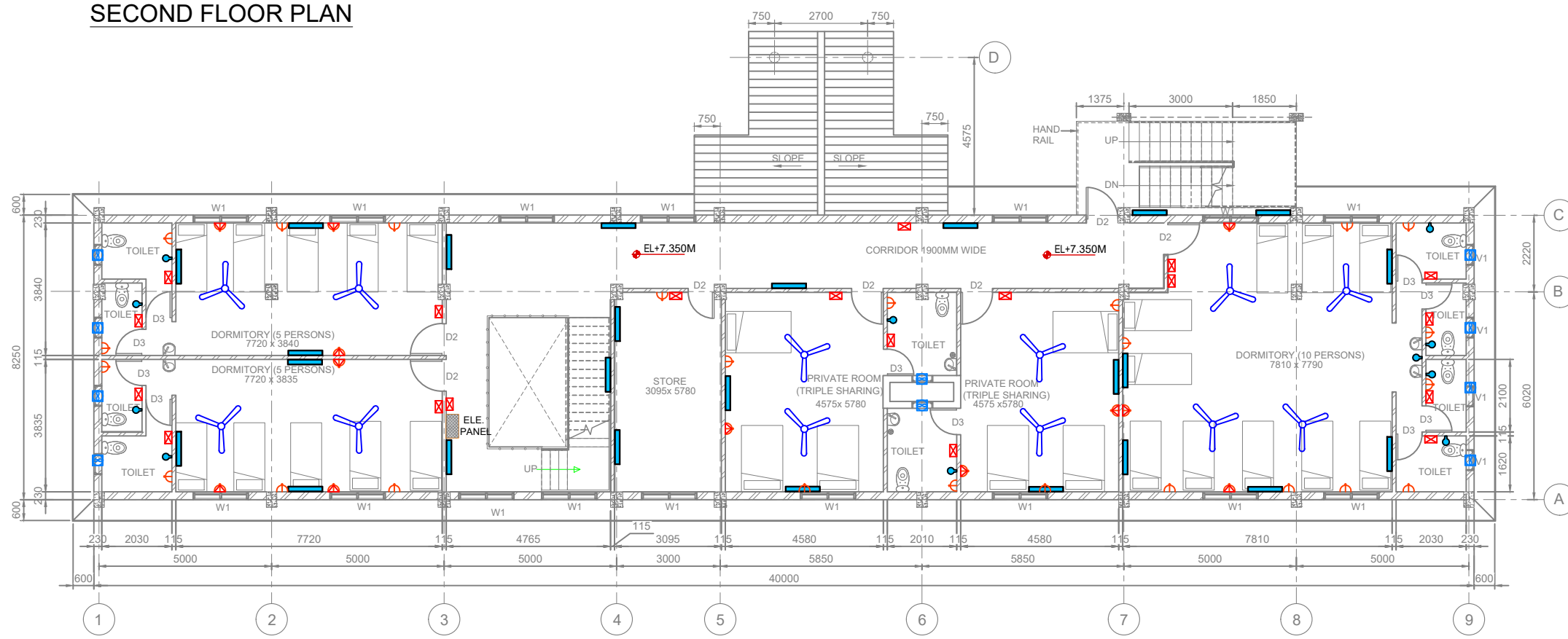
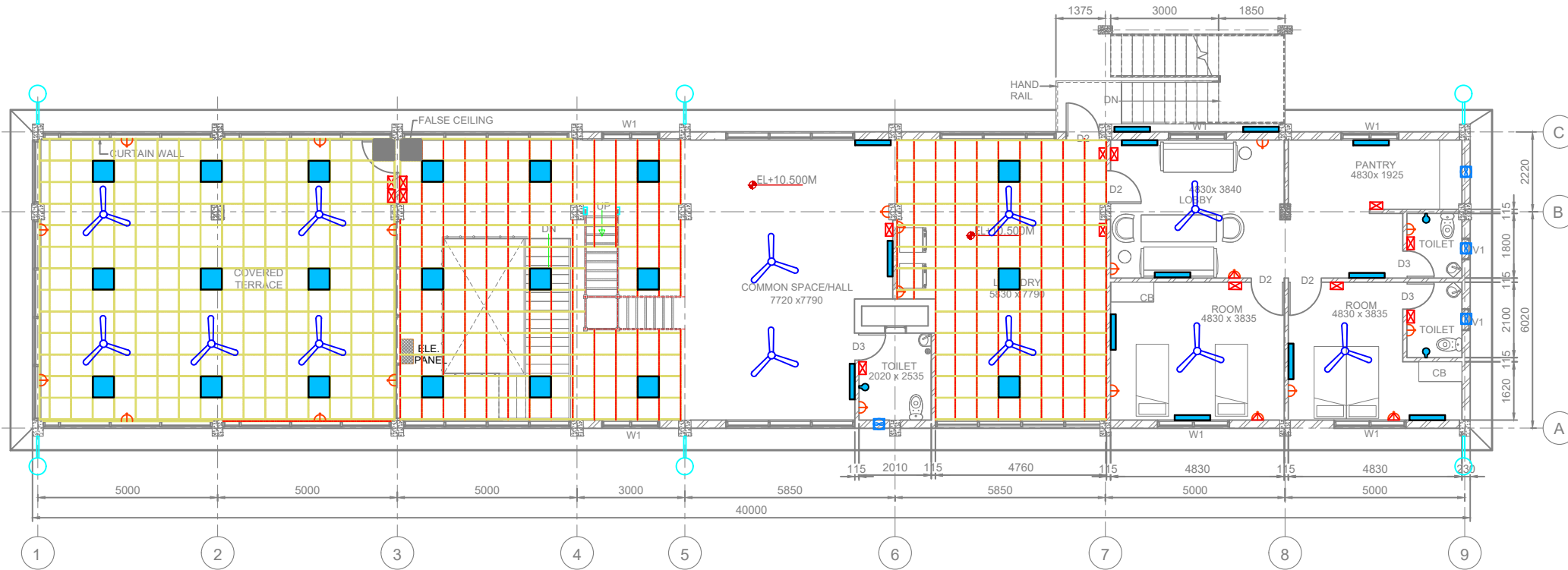
TITLE:

TENDER DRAWING
 MOUNTAINEERING BUILDING
 ELECTRICAL LAYOUT OF BASEMENT
 & GROUND FLOOR PLAN

DRG. NO. AGICL-DSCL-H-MB-EL-0001
 SH.1

DATE: JUNE 2019

REV. R0



LEGEND:-

S.N.	SYMBOL	DESCRIPTION OF SYMBOL	REMARK
1		LED TUBE LIGHT	
2		CEILING FAN	
3		EXHAUST FAN	
4		15AMP POWER PLUG POINT	
5		5AMP PLUG POINT	
6		SWITCH BOARD WITH 5AMP POWER SOCKET	
7		LED LAMP POST	
8		LED BULB	
9		CEILING LIGHT (600x600mm)	

21/08/2019 - 4:08pm
PATH: G:\Dharamshala\ENGINEERING BUILDING\M.ELECTRICAL DRAWING.dwg

DATE	REV	DESCRIPTION OF REVISIONS	BY

CLIENT:



Divine Dharamshala
Step Forward to a Smart Neighbourhood
SMART CITY PROPOSAL

Dharamshala Smart City Ltd. (DSCL)

CORE AREA:

PROJECT MANAGEMENT CONSULTANT:




ILF CONSULTING ENGINEERS
IN JOINT VENTURE WITH almondz the infrastructure specialist

PROJECT:
DHARAMSHALA SMART CITY

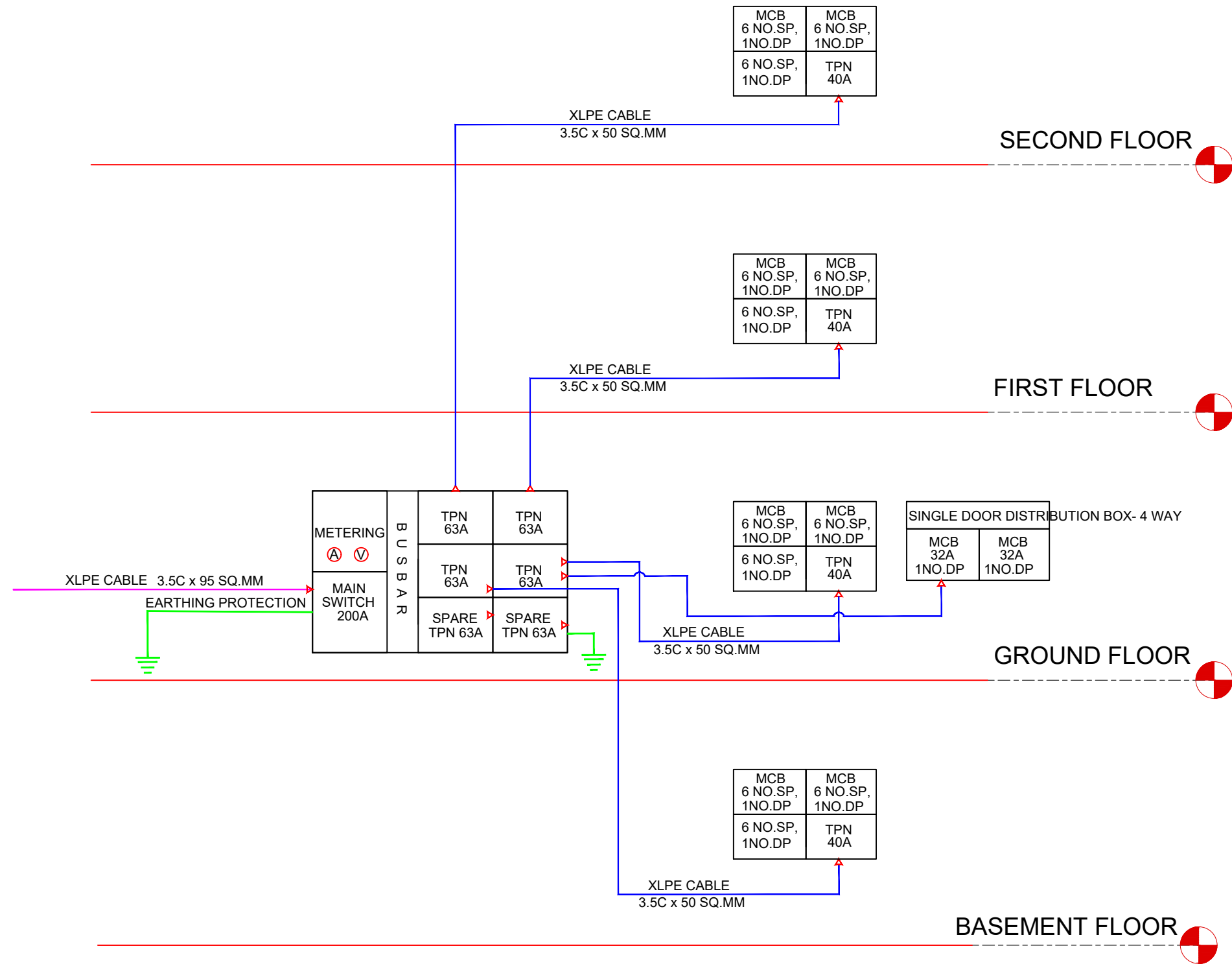
APPROVED BY:	S.T
CHECKED BY:	P.G
DESIGNED BY:	P.G
DRAWN BY:	D.K

TITLE:
TENDER DRAWING
MOUNTAINEERING BUILDING
ELECTRICAL LAYOUT OF FIRST
& SECOND FLOOR PLAN

STATUS	SCALE: A2 AS SHOWN	A3	DATE: JUNE 2019	DRG. NO. AGICL-DSCL-H-MB-EL-0002	REV. R0
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DATE	REV	DESCRIPTION OF REVISIONS	BY

CLIENT:



Dharamshala Smart City Ltd. (DSCL)

CORE AREA:

PROJECT MANAGEMENT CONSULTANT:




PROJECT: **DHARAMSHALA SMART CITY**

APPROVED BY:	S.T
CHECKED BY:	P.G
DESIGNED BY:	P.G
DRAWN BY:	D.K

TITLE: **TENDER DRAWING MOUNTAINEERING BUILDING KEY DIAGRAM (ELECTRICAL)**

STATUS	SCALE: A2 AS SHOWN	A3	DATE: JUNE 2019	DRG. NO. AGICL-DSCL-H-MB-EL-0003	REV. R0
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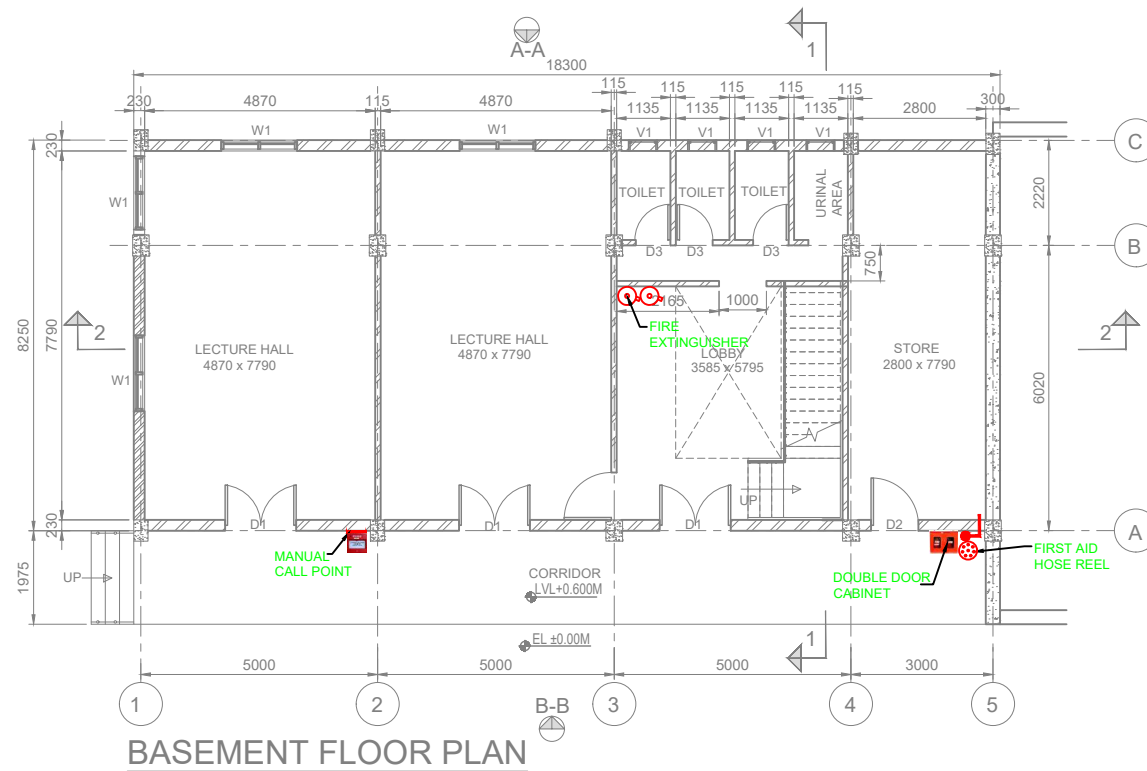
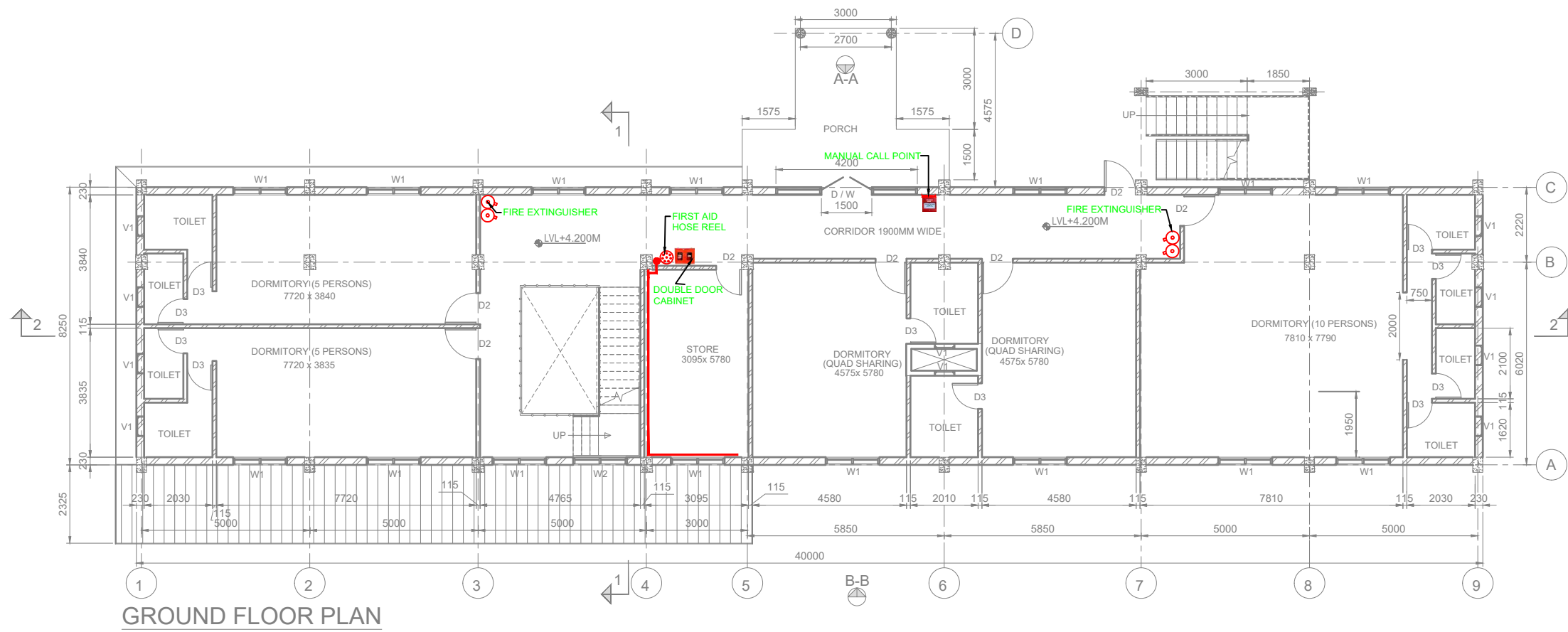
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FIRE FIGHTING DRAWING

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PRODUCED BY AN AUTODESK STUDENT VERSION

PRODUCED BY AN AUTODESK STUDENT VERSION



FIRE LEGEND:-	
	FIRE EXTINGUISHER
	FIRST AID HOSE REEL
	DOUBLE DOOR CABINET
	500 HYDRANT LINE
	FSC - 4 WAY
	MANUAL CALL POINT

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21/08/2019 - 4:13pm
 PATH: G:\Dharamshala\BUILDING\MOUNTAINEERING INSTITUTE FIRE SAFETY.dwg

DATE	REV	DESCRIPTION OF REVISIONS	BY

CLIENT:



Step Forward to a Smart Neighbourhood
 SMART CITY PROPOSAL

Dharamshala Smart City Ltd. (DSCL)

CORE AREA:

A 5.1- MOUNTAINEERING AND PARAGLIDING INSTITUTE

PROJECT MANAGEMENT CONSULTANT:




IN JOINT VENTURE WITH

PROJECT:

DHARAMSHALA SMART CITY

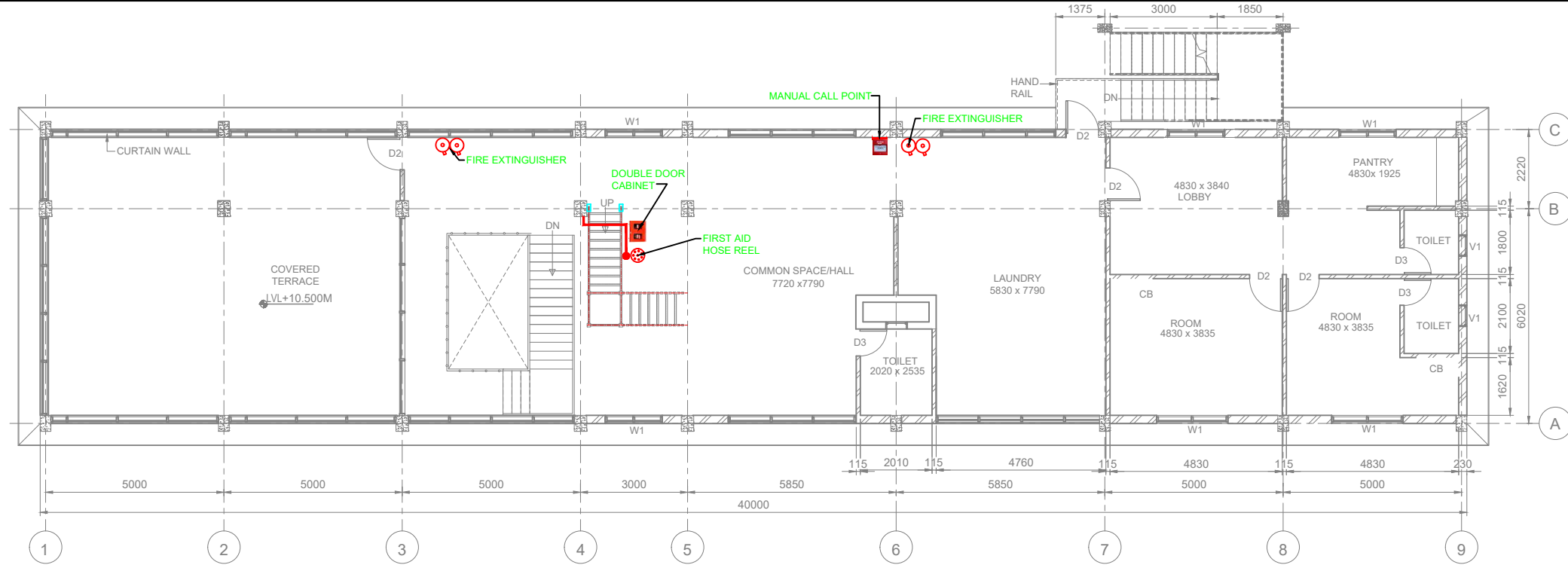
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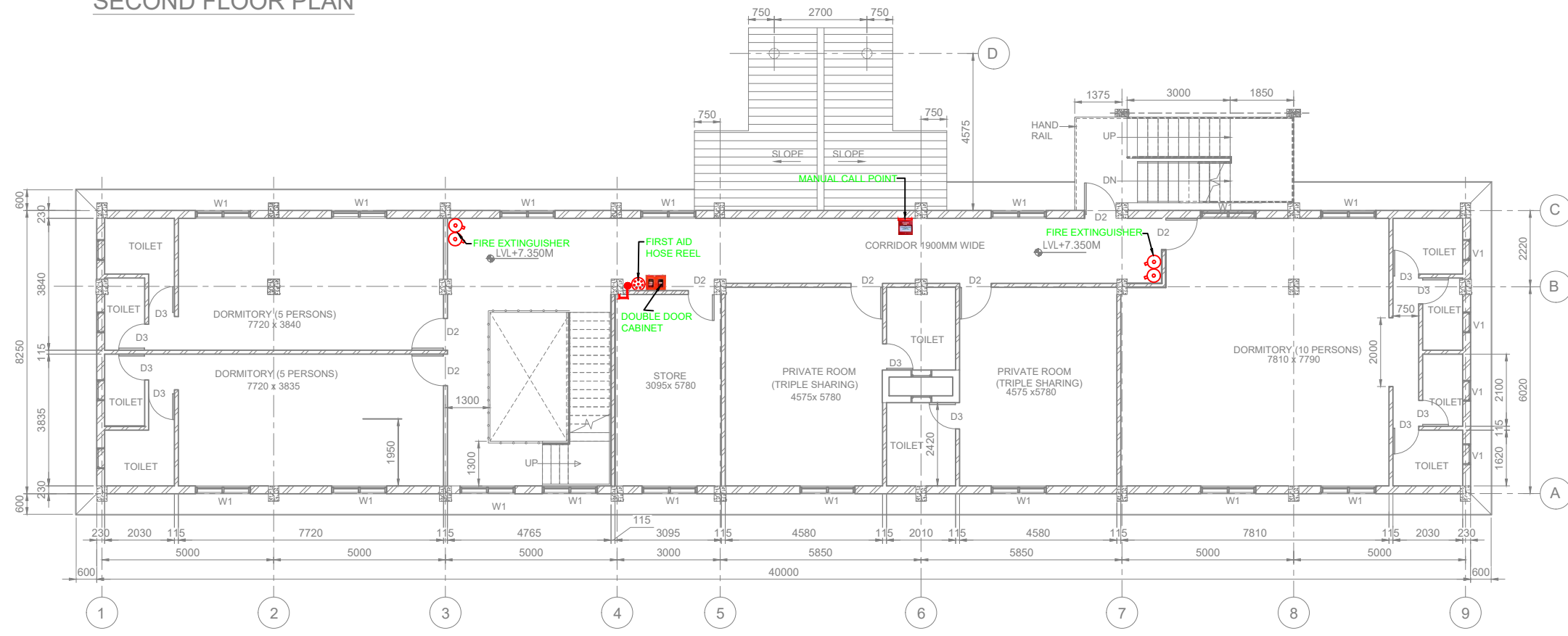
TENDER DRAWING
 MOUNTAINEERING BUILDING
 FIRE FIGHTING LAYOUT

DRG. NO. AGICL-DSCL-H-FF-0001

SCALE: A2 AS SHOWN DATE: APR 2019 REV. R0



SECOND FLOOR PLAN



FIRST FLOOR PLAN

FIRE LEGEND:-	
	FIRE EXTINGUISHER
	FIRST AID HOSE REEL
	DOUBLE DOOR CABINET
	500 HYDRANT LINE
	FSC - 4 WAY
	MANUAL CALL POINT

21/08/2019 - 4:13pm
PATH: G:\Dharamshala\BUILDING\MOUNTAINEERING INSTITUTE FIRE & SAFETY.dwg

DATE	REV	DESCRIPTION OF REVISIONS	BY

CLIENT:



Step Forward to a Smart Neighbourhood
SMART CITY PROPOSAL

Dharamshala Smart City Ltd. (DSCL)

CORE AREA:

A 5.1- MOUNTAINEERING AND PARAGLIDING INSTITUTE

PROJECT MANAGEMENT CONSULTANT:



IN JOINT VENTURE WITH



almondz
the infrastructure specialist

PROJECT:

DHARAMSHALA SMART CITY

APPROVED BY:	S.T
CHECKED BY:	-
DESIGNED BY:	D.K
DRAWN BY:	D.K

TITLE:

TENDER DRAWING
MOUNTAINEERING BUILDING
FIRE FIGHTING LAYOUT

STATUS	SCALE: A2 AS SHOWN	A3	DATE: APR 2019	DRG. NO.: AGICL-DSCL-H-FF-0002	REV.: R0
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LANDSCAPING DRAWING

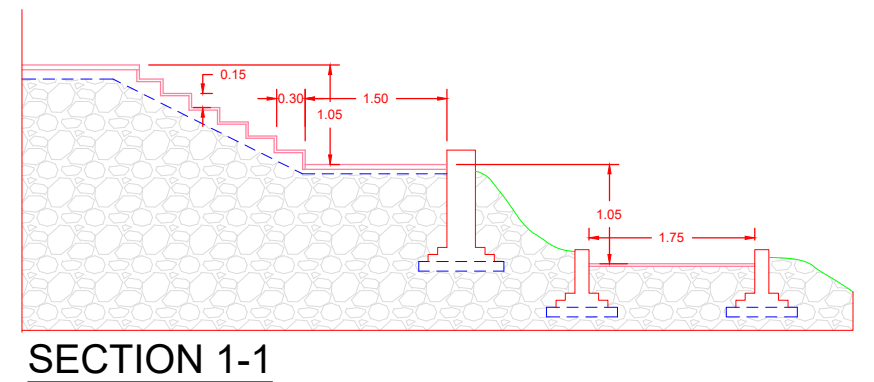
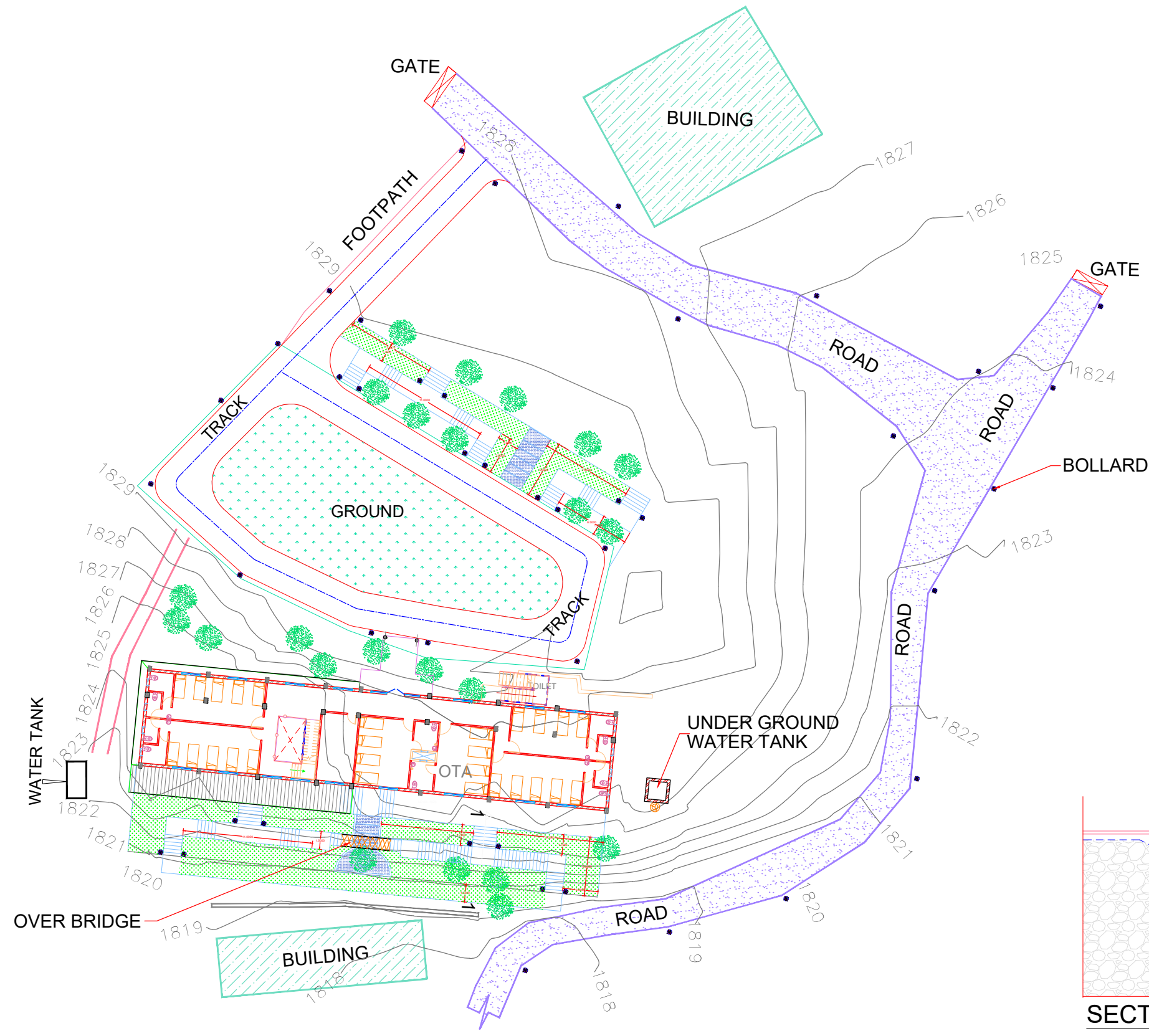
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PRODUCED BY AN AUTODESK STUDENT VERSION

PRODUCED BY AN AUTODESK STUDENT VERSION



21/08/2019 - 4:20pm
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DATE	REV	DESCRIPTION OF REVISIONS	BY

CLIENT:



Divine Dharamshala
 Step Forward to a Smart Neighbourhood
 SMART CITY PROPOSAL

Dharamshala Smart City Ltd. (DSCL)

CORE AREA:

A 5.1- MOUNTAINEERING AND PARAGLIDING INSTITUTE

PROJECT MANAGEMENT CONSULTANT:




IN JOINT VENTURE WITH
 almondz
 the infrastructure specialist

PROJECT:

DHARAMSHALA SMART CITY

APPROVED BY:	S.T
CHECKED BY:	-
DESIGNED BY:	D.K
DRAWN BY:	D.K

TITLE:

TENDER DRAWINGS
 MOUNTAINEERING BUILDING
 LAYOUT OF LANDSCAPING

STATUS	SCALE: A2 AS SHOWN	A3	DATE: JUNE 2019	DRG. NO. AGICL-DSCL-H-LS-0001	REV. R0
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RETAINING WALL DRAWING

PRODUCED BY AN AUTODESK STUDENT VERSION

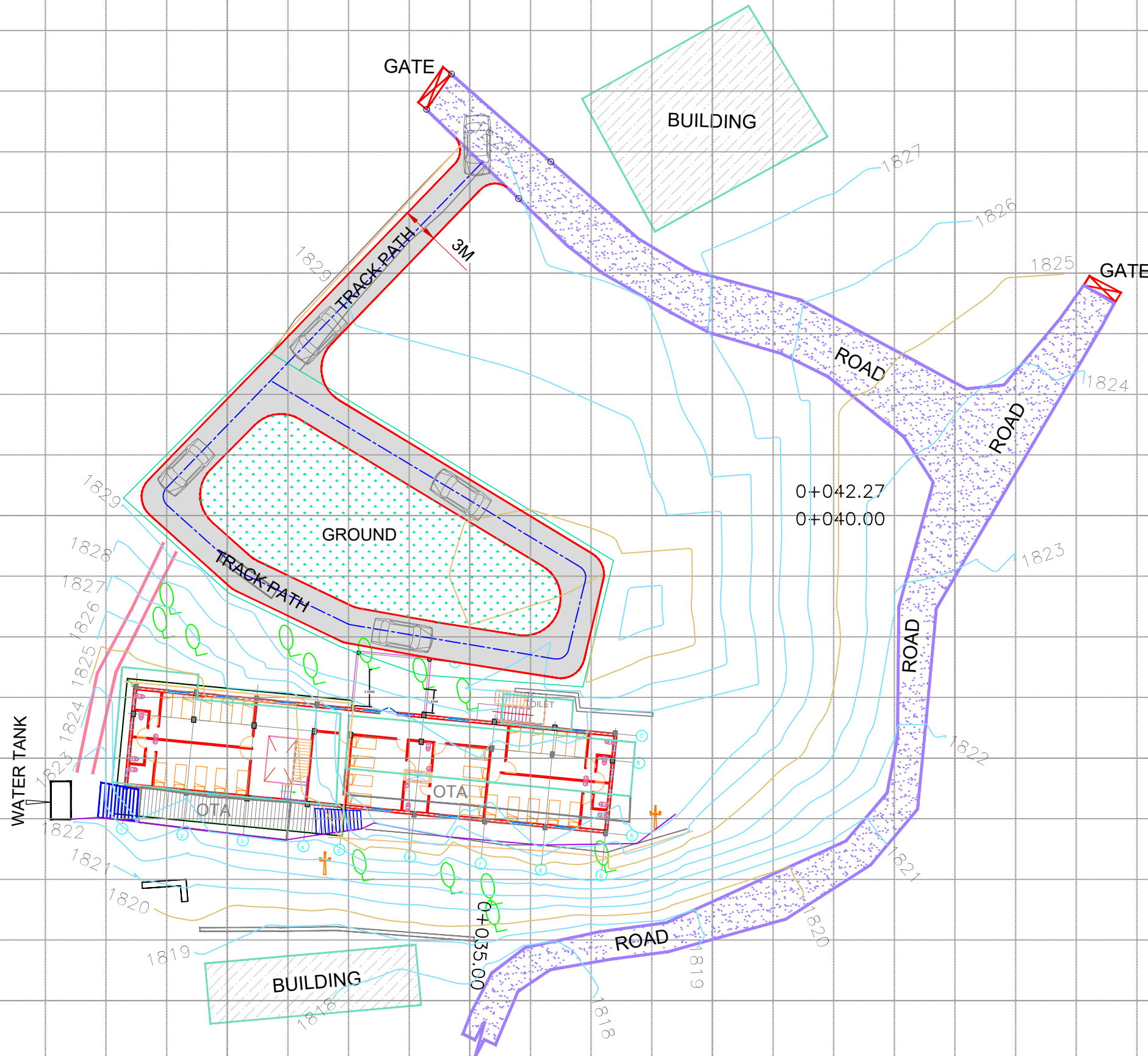
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PRODUCED BY AN AUTODESK STUDENT VERSION

PRODUCED BY AN AUTODESK STUDENT VERSION

TRACK PATH DRAWING

PRODUCED BY AN AUTODESK STUDENT VERSION



LEGEND

ROAD	
TREES	
CONTOUR	
RETAINING WALL	
BOUNDARY	
BUILDING	

NOTE:-

- 1. Boundary area depicted in the drg is
- 2. Contour interval is 1.0mtr.
- 4. Grid Spacing = 5m

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