

DHARAMSHALA SMART CITY LIMITED

RFP Documents For

(Construction of Sports/Playfields in Govt. Senior Secondary Boys School at Dharamshala)

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**SECTION – 1: INVITATION TO BID (NOTICE INVITING
TENDER)**

NOTICE INVITING TENDER (NIT)

REF No.DSCL/Playground boys School/182/2021-22/4874 Dated:17/12/2021

DHARAMSHALA SMART CITY LIMITED (hereafter referred to as "AUTHORITY") invites online bids from the eligible bidders through www.hptenders.gov.in for **"AP-22.3 Construction of Sports/Playfields in Govt. Senior Secondary Boys School at Dharamshala"**

Detailed tender notice along with complete tender documents can be downloaded from the above website.

BID INFORMATION

Sr. No.	Particulars	Information
1.	RFP No	DSCL/06/2021
2.	Name Of Work	Construction of Sports/Playfields in Govt. Senior Secondary Boys School at Dharamshala.
3.	Location of Work	Government Boys Senior Secondary School Dharamshala
4.	Scope of work	To creat a centralised hub for sports, different sports field are proposed. 1. Basketball Court 2. Volleyball Court 3. Badminton Court
5.	Estimated Cost of the work	Rs.1,45,14,353.00 (One Crore, Forty Five Lakhs, Fourteen Thousand, Three hundred and Fifty three Rupees Only).
6.	Time of completion of the work	12 Months from the date of signing the contract or 15 th day of issuance of Letter of Award whichever is earlier.
7.	Defect Liability Period (DLP)	12 Months
8.	Bid Validity	180 days.
9.	Type of Contract	Item Rate Contract.
10.	Date of issue of Tender documents online	18/12/2021 at 17:00 hrs.
11.	Last date for sending pre-bid queries	23/12/2021 till 17:00 hrs. at dscltender@gmail.com
12.	Date, Time & Place of Pre-bid Meeting	No Pre-bid meeting shall be held for this RFP. The replies to pre-bid queries will be uploaded on the tendering portal.

13.	Last date for Online Purchase of Tender Document.	03/01/2022 till 17:00 hrs.
14.	Last date of Online Submission of Bids	03/01/2022 till 17:00 hrs.
15.	Last date of EMD + Hard Copy (Pre-Qualification and Technical Proposal) Submission of Bids.	04/01/2022 till 15:00 hrs.
16.	Date & Time for Opening of Pre- Qualification and Technical Bid	04/01/2022 at 15:00 hrs.
17.	Date & Time for Opening of Financial Bid	To be intimated later.
18.	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"
19.	Earnest Money Deposit (EMD)	₹ 2,91,000 /- (Rupees Two Lakhs, Ninety One Thousand only)
20.	Security Deposit (Performance Bank Guarantee (PBG))	5% of the Contract Amount (by the successful bidder to be furnished within 15days of issue of Letter of Acceptance)
21.	Project Award Criteria	Through L1 (Lowest Financial Bid) Process
22.	Whether Tender Document Fees and EMD exempted for Micro Small and Medium Enterprises (MSME's)	Yes

For further details and general enquiries, prospective bidders may contact Managing Director Cum CEO, Dharamshala Smart City Limited, Old HIMUDA building, Cheelgadi, Distt. Kangra, PIN 176215, Himachal Pradesh 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.


**MANAGING DIRECTOR CUM CEO
DHARAMSHALA SMART CITY LIMITED**

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.
ICCC	Integration Command and Control Center
MLCP	Multilevel Car Parking
SLA	Service Level Agreement

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;
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 & both the parties agreed upon.
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.

SECTION – 2: INSTRUCTIONS TO BIDDERS

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 Sports/Playfields in Govt. Senior Secondary Boys School 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 2.1](#) of this RFP document.

1.1.2 Project Information

- 1) DSCL identified site for Development of Playfields in boys school Dharamshala. The project strives to cater to create a centralized hub for sports in Dharamshala for schools and Interschool’s.
- 2) The successful applicant shall be solely and exclusively responsible for the development of project and to provide the services which would be defined in the RFP.
- 3) The successful applicant shall have right to use the specified area (which will be specified in the RFP document) in Dharamshala Municipal Corporation (DMC) area to create infrastructure.
- 4) Land free of encumbrance shall be provided to the Developer for developing the Project components.
- 5) The Developer can form a Consortium. The Consortium may consist of not more than 2 parties with one lead member and another Consortium members. The developer needs to provide the details of firm wise activities that will be performed by the Consortium, as mentioned in [section 1.1.4](#)

1.1.3 Scope of Bid

- 1) The bidder shall install brand new equipment and the same shall be free from all defects and faults in material, workmanship, and manufacture and shall be of the highest grade and consistent with the established and accepted standards for materials of the type ordered and shall perform in full conformity with the IS codes/CPWD/PWD specifications, manuals and drawings.
- 2) The Contractor shall be responsible for execution of work without any defects that may develop under the conditions provided by the Contractor and under use, arising from faulty materials, design or workmanship such as corrosion of the equipment, inadequate contact protection, deficiencies in circuit design and or otherwise and shall rectify if any defects occur at his own cost when called upon to do so

- by the DSCL.
- 3) Third party inspection: The DSCL may appoint any approved government agency/Authority or any person for third party inspection of the work, on contractor's cost.
 - 4) All labor, materials, tools plants, machinery, equipment, and any other things required for execution for work shall be arranged by the Bidder at his own cost.
 - 5) All arrangements for establishment, watch & ward of stores and security of sites, appropriate vehicles for transportation etc. shall have to be made by the CONTRACTOR at his own cost and nothing extra on this account shall be paid.
 - 6) On the completion of the work, the CONTRACTOR shall clear away and remove from the site all construction plants, temporary works, surplus material and rubbish of every kind and leave the site and works clean to the satisfaction of the Engineer-in- charge.
 - 7) In view of the site location and their prevailing condition, it is mandatory on the Contractor to visit the site and make himself thoroughly familiar with the site conditions as per section 1.1.12, access and account for all possible difficulties and other requirements mentioned elsewhere in his bid prior to submission. When a contractor submits his bid for this work, it will be considered that he has quoted for this work with full and complete knowledge of the site and prevailing conditions, and no claim for additional compensation shall be entertained on this account.
 - 8) The detailed scope of work shall be as mentioned in SCC [clause no. 2.1](#) and its sub-clauses.

1.1.4 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
- 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 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.

1.1.5 Sub-Contracting

Sub-Contracting is not allowed for this RFP

1.1.6 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.

1.1.7 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.

1.1.8 Pre-bid Meeting and Queries

No Pre-bid meeting shall be held for this RFP. The replies to pre-bid queries will be uploaded on the e-tendering portal.

1.1.9 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.

1.1.10 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.

1.1.11 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.

1.1.12 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 within the Municipal Corporation Limits of Dharamshala.
- c) Drawings are provided in the drawings section of this RFP provided by DSCL which may be modified according to the site conditions if required and same would need to be approved by DSCL before undertaking the work at site.
- 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 <https://hptenders.gov.in/nicgep/app>. Tender Document Fee as per the Bid Information Sheet shall be paid through offline mode in the form of Demand Draft.

Tender Fees issued by any nationalized/ scheduled commercial bank in favor of "Managing Director-cum-CEO, DHARAMSHALA SMART CITY LIMITED", Dharamshala.

The tender 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 Fixed Deposit Receipt(s) in favor of "Managing Director-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 5% 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 Tender Document fee and EMD exempted for Micro small & Medium Enterprises (MSME) as per vide Clause No 10 (Reduction in Transaction Cost) of MSME of office order dated 23/march/2020
- 5 The bid submitted without EMD, mentioned above, will be summarily rejected.
- 6 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](#)
- 7 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

1.3.2.A Bid Submission Instructions

1. The complete **bidding process will be online (e-Tendering)**.

2. **Financial Bid** is required to be submitted **only in online mode**
3. Hard Copy submission of the Financial Bid is **NOT REQUIRED.**
4. Hard Copy submission of Prequalification cum Technical bid shall be in accordance with the instructions given in the Table below:

Particulars	Instructions
SEALED ENVELOPE	PRE-QUALIFICATION CUM TECHNICAL BID
Fee	Proof of payment/ submission of Tender Fee and EMD.
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.

1.3.2.B The following points shall be in consideration for submission of bids:

1. 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.
2. 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.
3. AUTHORITY may seek clarifications from the Bidder regarding pre-qualification and technical qualification criterion in the bid document. Any of the clarifications by the Bidder on the technical proposal should not have any commercial implications. The Financial Bid submitted ONLINE 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
4. Technical Proposal shall not contain any financial information and shall be unconditional.
 5. If any Bidder does not qualify the pre-qualification/Technical Qualification criteria stated in Section 1.4.5 and 1.4.6 of this RFP, the financial proposal of the Bidder shall not be opened in the e-Tendering system.
 6. 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

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.

1.3.4 Bid Validity Period

The validity of the bids submitted before deadline shall be till 180 days from the last date of submission of the bids.

1.3.5 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.

1.3.6 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.

1.3.7 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.

1.3.8 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.

1.3.9 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.
- 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 - Tender 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 Prequalification and Technical Evaluation criteria.
- 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.
- 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 [clause 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.
- 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 [Section 4](#) of the RFP.

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 [clause 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 minimum Class III as per CPWD, Manual for Procurement of work clause 7.4.7. The Contractor should be registered under unified registration system in CPWD with a valid UIN or Equivalent Registration in any State Govt. Dept. Central Govt. Dept., other Govt. Dept. / undertaking of state/Central Govt. P.S.U.	Copies of valid PAN, GSTIN, and Valid registration certificate as per statutory requirement.
2	Financial Eligibility	The Bidder should have an average annual turnover of Rs.2.3 Crores In the last three audited financial years	Certificate from The Statutory Auditor/Chartered accountant, Work order of projects completed in last 3 financial years
3	Solvency Certificate	Solvency for an amount of 40% of the estimated amount of tender.	Solvency Certificate from a Nationalized Bank not older than six months as on the date of submission of the bid.
4	Balance sheet	The Sole bidder or any member of the consortium 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
6	No Deviation	Self-Declaration certificate for No Deviation to be submitted by sole bidder or lead bidder.	Annexure-1.7
7	Total Responsibility	Self-Declaration certificate for total responsibility to be submitted by sole bidder or lead bidder	Annexure-1.5

(A Sample Classification – Source CPWD Website)

Class	Tendering Limit	Class	Tendering Limit
Class – I(Super)	Rs 500 Crore	Class -II	Rs 5 Crore
Class – I(AAA)	Rs 200 Crore	Class -III	Rs 1.5 Crore
Class – I(AA)	Rs 100 Crore	Class – IV	Rs 60 Lakhs
Class – I(A)	Rs 50 Crore	Class-V	Rs 15 Lakhs
Class – I	Rs 20 Crore		

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 interlock sports flooring /turf work/allied works of Sports playfield and playgrounds and similar works of any kind with any Central/State Govt. Department / Public Sector Undertaking / Urban Local bodies 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 pertaining to Similar work as per clause 1.4.6.1 of any kind of each not less than 40% of the estimated cost of tender

OR

- b. Two contracts pertaining to Similar work as per clause 1.4.6.1 of any kind of each not less than 50% of the estimated cost of tender

OR

- c. One Contract pertaining to Similar work as per clause 1.4.6.1 of any kind of not less than 80% of the estimated cost of tender

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:

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

Where,

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

N = Number of years prescribed for completion of the works for which bids are invited (period up to 6 months to one year be taken as one year)

	Last Five Years (Excluding current Year)	Amount of work Done in each Financial Year (Rs in Lakhs)
Total annual volume of civil engineering construction work executed and payments received in the last five years preceding the year in which bids are invited. (Attach /upload Certificate from Chartered Accountant)	Year- Year- Year- Year- Year-	

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 [Annexure 2.3](#) & [2.4](#).

The Bid Capacity shall be assessed by the bidder and declaration submitted as per [Annexure 2.5](#) (Kindly complete the calculations in [Annexure 2.5](#) as per data given above, to provide the bid capacity with the bid)

*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 [Annexure 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 Manpower

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.

SrNo	Designation	Nos. required	Qualification	Experience in similar projects
1	Project Manager cum Site Engineer	1	Degree/Diploma in Civil Engineering	2/5 years

NOTE: The bidder would need to avail the services of Architect, Quantity Surveyor, Planning Engineer and Draughtsman for submission of working drawings and Project Manager will be the point of contact for the same.

The applicant should submit the details as per [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:

- Made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements;
- Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures, etc.
- 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.

1.4.6.6 Contractors Plant & Equipment

- 1) The contractor will have to make his own arrangement for plants, Equipment, machineries to be used in the execution of this work well in time after award of the contract.
- 2) Contractor shall carry out calibration of the tools & plants & submit reports to DSCL within specified period.
- 3) The Contractor should own or should have assured ownership to the key items of equipment, in full working order, and must demonstrate that, based on known commitments; they will be available for use in the proposed contract
- 4) Site Office, Quality Testing Laboratory, Site Laboratory unit will be setup by the contractor at its own cost.

NOTE: - Minimum Requirement of plant and Equipment has been mentioned in [Annexure 2.6 B](#) (List of Tools and Machinery)

Construction Plant and Equipment proposed to be deployed for the project.

Sl.	Plant and Equipment	Nos	Own/Hired
1)	Hydraulic Excavator(JCB)	2	
2)	Vibratory Compactor (Needle Type)	3	
3)	Tractors	1	
4)	Trucks	1	
5)	Tipper	2	
6)	Concrete Placers (manual)	2	
7)	Plate Compactors	1	
8)	Dewatering pump	2	
9)	Concrete Mixer	2	

- I) Ownership proof shall be attached
- II) Hired equipment may be considered on production of Hire Agreement along with proof of

ownership of equipment

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

- (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 and EMD may be forfeited in accordance with Sub-[Clause 1.2.2-\(6\)](#)

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 Intent, the Successful Bidder shall at his own expense submit unconditional and irrevocable Performance Bank Guarantee (PBG) for an amount equivalent to 5% 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 case of unbalanced bids the authority may ask for additional performance security of 5% of the amount of unbalanced bid.
- e) In addition to paper based confirmation system, IT enabled confirmation system will be followed for which the Bank Guarantee will be subjected to.
- f) All charges whatsoever such as premium; commission etc. with respect to the PBG shall be borne by the Successful Bidder.
- g) 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.
- h) The PBG shall be valid initially up to 90 days beyond the completion of the Construction Period.
- i) 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.
- j) 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.

- k) 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.
- l) 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 Defect Liability Period

The Defect Liability Period shall be 12 months for 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.

1.8 Insurance

1.8.1 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 Contractors All Risk (CAR) insurance of workers, Personals, 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.

1.8.2 Insurance for Contractor's Defects Liability

The Contractor shall effect and maintain Contractors All Risk (CAR) 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 1.8.1) 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.

1.8.3 Insurance against injury to Persons and damage to Property

The contractor is to be held responsible to make good all injuries, damages and repairs occasioned or rendered necessary to the same by fire or other causes and they hold the DSCL harmless for any claims for injuries to person or structural damage to property happening from any neglect, default, want of proper care or misconduct on the part of the contractor or any one in his employment during the execution of the work. Also no claim shall be entertained for loss due to earthquake, epidemic, or any other calamity whether natural or incidental damages so caused will have to be made good by the contractor at his own cost.

1.8.4 Insurance to be in Joint names

The insurance under Cl.1.8.1 to 1.8.3 above shall be in the joint names of the Contractor and the Authority.

SECTION – 3: SPECIAL & GENERAL CONDITIONS FOR CONTRACT AND TECHNICAL SPECIFICATIONS

2 Special Conditions of Contract and Technical Specifications

2.1 Scope of work

2.1.1 CIVIL WORKS

The scope of work included in the project **Civil Construction of Playgrounds in Government Boys Senior Secondary School Dharamshala** can be categorized into two Parts:-

1. Scope of work for Development of Playfields:-

To create a centralised hub for sports, different sports fields are proposed.

- a. **Basketball Court**
- b. **Volleyball Court**
- c. **Badminton Court**

1.1 Construction of Basketball Court and Badminton Court

Space available is about 2230.91 sqm, as per the space availability in boy's school "College basketball court" of 25x15 meters and "badminton court" of 13.4x6.1 meters, leaving runoff of 2 meters from each side is proposed in front of principal's office which includes:

- **Preparation of Base**
 - **Stone Soling 150mm thick**
 - **1:4:8, Cement Concrete Base 100 mm thick**
 - **M15 Grade Cement Concrete Base 150 mm thick**

- **Interlock Sport Tiles**

Providing, laying and fixing of Interlocking Sports Tiles. Tile size should be (304.88 x 304.88) mm and Thickness 16mm. Double Layered Material must weigh 3.7 kg per sqm +5%, One Tile must have 10 Rectangular shaped Locks, The Lock Size should be (40 x 11) mm Double Locking System, must have the holes for fasteners to be inserted for fixing. Shock Absorption 35 %, Ball Bounce > 97%, vertical Deformation 2.3mm, Tiles should be antiskid and perfect for sports. The Tile must be ITF approved. Vendor Company must be ISO Certification.

- **Backboard and net**
- **Wire Fence and Net Works**
- **Lighting and electric works**
- **Post**
- **Seating Arrangement**
- **Construction of Precast and Saucer drain**

1.2 Construction of Volleyball Field

Space available in boy's school is about 4,365 sqm. (Length 97 meters and width 45 meters) As per the space availability in boy's school – "7 a Side" Football pitch is proposed which includes:

- **Preparation of Base**
 - **Stone Soling 150mm thick**
 - **1:4:8, Cement Concrete Base 100 mm thick**
 - **M15 Grade Cement Concrete Base 150 mm thick**
- **Interlock Sport Tiles**

Providing, laying and fixing of Interlocking Sports Tiles. Tile size should be (304.88 x 304.88) mm and Thickness 16mm. Double Layered Material must weigh 3.7 kg per sqm +-5%, One Tile must have 10 Rectangular shaped Locks, The Lock Size should be (40 x 11) mm Double Locking System, must have the holes for fasteners to be Inserted for Fixing. Shock Absorption 35 %, Ball Bounce > 97%, vertical Deformation 2.3mm, Tiles should be antiskid and perfect for sports. The Tile must be ITF approved. Vendor Company must be ISO Certification.

- **Lines on Court**
- **Lighting**
- **Net**
- **Post**
- **Seating Arrangement**

2. Scope of work for Site Development

2.1 Retaining Wall

RR (random rubble) Breast wall of height 3 meters and Length 22 meters is proposed on upper side of Football play field along with seating arrangement.

2.2 Drain

As the existing main drain is 600x600 mm (Inner Dimensions) which is running throughout the boys school campus and a sub drain of 400x300 mm, but both drains were blocked a many location thus a pre-cast U shape drain 600x600 (Inner Dimensions), 1:1.5:3 for length 203 meters is proposed as a main drain which is proposed in outer periphery of campus replacing the existing U shape drain along with 10 and 8 diameter @ 150 mm C/C steel is used in the proposed drain.

Precast Slab with perforated holes of 50 mm is proposed to cover the drain proposed in the boy's school, 50% of Drain is proposed to be covered wherever required in the campus.

As there is Level Difference in the drain layout thus weirs along with Catch pit and spillway is proposed at three different locations.

2.3 Parking

Parking space is required for staff to accommodate their vehicles.

Thus open/Surface Parking is proposed near the entry gate of boy's school which can accommodate 15-16 Cars.

Stone Soling and 60mm thick heavy duty precast cement concrete inter locking colored paver blocks Vibro compacted up to M-35 grade is proposed over Plain cement concrete M10 grade.

2.4 Chain Link Fencing

Chain Link Fencing of Height 2.5 meters and 75x75mm woven mesh is proposed around all Playfields (Basketball, Badminton, and volleyball court)

G.I. wire 5mm thick corresponding to SWG-6. 75mm x 75mm. Mesh is proposed for Chain Link fencing

Chain Link fencing of different types is proposed:-

- **TYPE-A**

Fencing on Compound wall in volleyball court along the width of the proposed field.

- **TYPE D**

Chain-link fencing for Volleyball Court is proposed along with seating arrangement for length of 18 meters

- **TYPE E**

Chain Link Fencing Proposed on random rubble Breast wall which is proposed on Volleyball play field along the Length for 21 meters of proposed field.

- **TYPE F**

Chain Link fencing of height 2.1 meters is proposed on Ground Level for Badminton and Basketball court for length of 127 meters.

- **TYPE G**

Chain Link fencing proposed on RR Seating arrangement in Basketball and Badminton Court for Length 50 meters.

2.5 Footpath

Providing and laying 40mm thick heavy duty precast cement concrete inter locking colored paver blocks Vibro compacted up to M-30 grade is proposed in the footpath

2.6 Slate Flooring

Slate flooring of size (300x200) mm, with 15mm average thick slate flooring, 20 mm (average) is proposed at the entrance of the Boys school, where flag is hosted, opposite Principals office.

2.7 Seating Arrangement

RR Masonry Steps in 1:6 are proposed for seating arrangement in all playfields in Boys school.

2.8 Foundation Work

Foundation work for Lighting Poles Is proposed of size 1100x1100 of all proposed playfields.

2.1.2 ELECTRICAL WORKS

2.1.2.1 Scope OF Work

1. Work under this section shall include the supplying, installation, testing and commissioning in perfect running conditions of the electrical installations for Civil Works for Playgrounds in Boys School Dharamshala. These installations comprise, but are not limited to, the following chapters:
 - A. Main Distribution Boards (MDB)
 - B. Sub-Main Distribution Boards
 - C. Complete electrical installations for all lighting, and power outlets
Lighting fixtures
 - D. The supply shall include all the equipment, accessories and other materials not enumerated in these specifications but found necessary for the completion and perfect functioning of the installations.
2. The Contractor shall prepare/submit working/GFC drawings for the electrical system and take prior approval from DSCL Authorities before starting the installation work for electrical system at Parks & Playground Phase-II. Work shall be executed in a first-class work-manlike manner in accordance with these specifications, the drawings and notes indicated therein, the instructions of the Engineer-in-charge, DSCL, and the provisions of the Bill of Quantities delivered in place and tested to the full satisfaction of the Engineer-in-charge, DSCL.
3. The characteristics of the electric supply shall be as follows:
 - a) Low voltage network: 3 phase, 4 wire - 50Hz
 - b) 415-440V between phases. And 1 phase, 3 wire -50HZ
 - c) 230-240 V between phase and neutral with a solidly earthed neutral.
4. The necessary electric power for the needs of the project shall be supplied equipped by the local power authorities/HPSEBL/State Discom and Cost will be borne by contractor for construction period.
5. The location of conduits, DWC HDPE Pipe, cables, switchgears, and feeder panels (sub-main) etc. ... is shown on the drawings approximately, therefore the actual route of cables and conduits may differ from the plans according to the details or the playfield construction and the conditions of execution of the installation.
6. The Contractor shall supply and install at his expense all accessories & fittings and special fittings found necessary to overcome the interference and to apply the modifications on the route of cables and conduits that are found necessary during the work to the complete satisfaction or the Engineer-in-charge, DSCL.
7. The contractor should prepare/submit loop wiring drawing for lighting points for approval from Engineer-in-charge, DSCL.
8. The Switchgears should be install correctly as per approved drawings. The switchgears specifications shall be as per approved drawings and BOQ.
9. All the feeder Panels Should Be Properly install for Sub-main, main

Electrical system as per approved drawings.

10. All the feeder panels, octagonal poles, LED luminaries and all other electric points should be properly connected with earthing protection system as per approved drawings.

2.1.2.2 SCHEDULING:

1. scheduling of tests shall be as approved by the Engineer.
2. Schedule tests so that equipment can be energized immediately after completing the tests and approval of the reports.
3. Notify the Engineer two (2) weeks prior to testing.

2.1.2.3 TEST AND ADJUSTING:

1. After the wiring systems are completed, it shall be tested for all controls and defects. Any defects appearing shall be remedied before any apparatus, is installed.
2. Tests, both electrical and physical, shall be made of the various materials, equipment and installation comprising the electrical system.
3. After the entire installation has been completed all necessary adjustments shall be made until all Performance requirements are met.

2.1.2.4 SUBMITTALS:

1. The contractor shall submit the all manufacturer test reports of the supplying items/materials.
2. Product Data: submit manufacturer's data on electrical wires, cables, switchgears and all other material for electrical system which will use in interior + Exterior both.
3. Field Test Reports: indicating and interpreting test results relative to compliance with performance requirements of testing standards.
4. The Contractor has to arrange factory inspection by client with relevant tests of each items are to done prior to dispatch of materials. The Contractor will arrange all the facilities to conduct all the requisite tests/factory inspection of all the items/materials at the Manufacturer's site. He will also bear the expenditure of travelling, boarding & Lodging of two no. of Engineers of PMC and DSCL as nominated by DSCL for all the inspection period.
5. If required DSCL reserve the right waived of test of materials/items e.g. acceptance test, Routine test.

2.1.2.5 QUALITY ASSURANCE:

1. Regulatory Requirements: Comply with provisions of the statutory laws having jurisdiction and local codes of practice applicable to the job site/host country.

2. Conform to applicable codes and regulations regarding toxicity of combustion products of insulating materials.
3. Manufacturers: Firms regularly engaged in manufacture of electrical wire and cable products of type and sizes required, whose products have been in satisfactory use in similar service for not less than 5 years.
4. IS/IEC Compliance: Comply with IS/IEC requirements as applicable to construction, insulation and colour coding of electrical wires and cables.
5. NFPA Compliance: Comply with applicable NFPA requirements pertaining to cables and cable installations.

2.1.2.6 SAFETY:

The Contractor has to follow all necessary safety guidelines/directions issued by Government of Himachal Pradesh / Dharamshala Municipal Corporation/ Himachal Pradesh State Electricity Board (State DISCOM) from time to time.

1. The Contractor shall establish store and testing facility to ensure proper stock of spares and facilitate testing of all components of Electrical system.
2. All workmen, staff and engineers of Contractor shall ensure that all installation, operation and maintenance activities are carried out with full safety and by using all safety aids like helmets, gloves, earthing devices, testing gadgets. All electrical safety rules and regulations as per Indian Electricity act, Himachal Pradesh Government electric supply code and regulations, statutory inspection by electrical inspector etc., must be followed by the Contractor during the contract period.
3. The Contractor shall be responsible for all compensation / liability due to any injury or death of any personnel while performing duties related to the work under this contract. DSCL shall not be responsible in any such case and shall not be liable for any compensation in this regard.
4. All workmen, staff and engineers of Contractor should follow a proper dress code while on duty.

Contractor to submit for approval his testing procedure for each electrical system. Tests shall be conducted by contractor according to the approved testing procedure. All tests shall be conducted & recorded and submitted during Final hand over. The Contractor shall also co-ordinate for the main electrical supply Connection of the Parks and Playground Phase-II from HPSEBL/State Discom. All the necessary documentation for the Main Electrical Supply Connection shall be handled by the contractor; the fee of Main Electrical Supply Connection will bear by the DSCL or the owner of the playfield. The contractor has Liaison with Himachal Pradesh State Electricity Board Ltd. (HPSEBL) for approval of technical specifications, materials, inspection, testing and calibration of energy meters, quality control, testing and commissioning of newly installed equipment's, total responsibility for the completeness of the project including erection testing and commissioning.

2.1.2.7 AS BUILT DRAWING:

Contractor has to hand over the As built Drawing duly signed and approved by DSCL/ State Discom for maintenance purpose at the time of completion. Electrical system shall be provided as per the applicable codes mentioned in [clause 2.2.2](#) (d)

2.1.3 General Construction Work

1. All sites shall be cleaned of the debris and be removed off the site at no extra cost.
2. Necessary site clearing, restoration and preparation of working surface.
3. All civil work shall be done in such a way that other activities in the premises are not affected.
4. Retaining structures are required to be provided for land development. Drawings are provided in the drawings section of this RFP provided by DSCL which may be modified according to the site conditions if required and same would need to be approved by DSCL before undertaking the work at site.
5. 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 of the project as approved by DSCL.
6. Site Office, batching plant, Quality Testing Laboratory, Site Laboratory unit if required will be setup by the contractor at its own cost

2.1.4 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, MoRTH and CPWD Specifications, unless and otherwise specifically relaxed wholly or partly through a special clause in the Contract and relevant BIS codes of practice.
- 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.
- 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./C.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./C.P.W.D Hand Book and the Schedule of Rates of the HPPWD 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) Drawings are provided in the drawings section of this RFP provided by DSCL which may be modified according to the site conditions if required and same would need to be approved by DSCL before undertaking the work at site.
- m) 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.
- n) 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 For Civil Construction works in Playgrounds

The structure shall be designed in accordance with the latest Indian Standard Codes and

- Shall be designed to resist wind and seismic forces as applicable in Dharamshala
 - Steel Structures shall be designed in accordance with the provision of IS 800-1984.
 - Structural steel shall conform to IS 842. Tubular section shall conform to IS 4923.
 - Architectural design norms as per NBC (National Building Code – 2005).
 - Structural Design norms as per NBC and BIS (Bureau of Indian Standards)
- A. CONTRACTOR shall provide permanent bench marks, flag tops and other reference points for the proper execution of work and these shall be preserved till the end of work. All such reference points shall be in relation to the levels and locations, given in the tender drawings.
 - B. The CONTRACTOR shall give performance test of the entire installation(s) as per the standing specifications before the work is finally accepted and nothing extra whatsoever shall be payable to the CONTRACTOR for the test,
 - C. The work shall be carried out in accordance with the DSCL approved working drawings and structural drawings. Before commencement of any item of work, the CONTRACTOR shall correlate all the relevant architectural and structural drawing issued for the work, nomenclature of items, specifications etc. and satisfy himself that the information available there from is complete and unambiguous. The figures & the written dimensions

- of the drawing shall supersede the measurement by scale. The discrepancy, if any, shall be brought to the notice of the Engineer-in-charge for immediate decision before execution of the work.
- D. The CONTRACTOR alone shall be responsible for any loss or damage occurring by the commencement of work on the basis of any erroneous and or incomplete information and no claim, whatsoever shall be entertained on this account.
- E. The CONTRACTOR shall conduct his work, so as not to interfere with or hinder the progress or completion of the work being performed by other CONTRACTOR`s) or by the Engineer-in-charge and shall as far as possible arrange his work and shall place and dispose of the materials being used or removed so as not to interfere with the operations of other CONTRACTOR or he shall arrange his work with that of the others in an acceptable and coordinated manner and shall perform it in proper sequence to the complete satisfaction of others.
- F. The rates of different items of work shall apply to all heights & depths unless otherwise specified.
- G. Site Electricians / Other Electrical Personnel: The CONTRACTOR shall engage qualified and competent electricians and other electrical personnel while working for safe execution of contract. The electricians and other electrical personnel must possess requisite certificate issued from competent authority. Using exposed naked loose joints, inserting of bare wire into socket, improper grounding for appliances, exposed circuits on work place etc. shall not be permitted. Rating of fuses and circuit breakers used for protection of circuit should be coordinated. Flexible cords with the conductor cross sectional area smaller than 1.5 mm should not be used. Socket outlets, plugs and cable coupler should be of the water splash proof type, so minimum IP44 panel boards are required in construction sites. Overhead cabling should provide for a minimum ground clearance of at least 3.0 meters. The CONTRACTOR shall employ qualified, full time Electricians / Electrical Supervisors to maintain his temporary electrical installation. Use approved perimeter markings to isolate restricted areas from designated work areas and entryways. Erect them before work begins and maintain them for the duration of work. Approved perimeter marking must be Install red barrier tape printed with the words 'DANGER-HIGH VOLTAGE' approximately 1 to 1.5 meter above the floor or work surface or Install a barrier of yellow or orange synthetic rope 1 to 1.5 meter from the floor with standard danger signs. Any steps suggested by Engineer-in-charge should be- complied with by the CONTRACTOR.
- H. Welding and Cutting Gas cylinders in use should be kept upright on a custom-built stand or trolley fitted with a bracket to accommodate the hoses and equipment or otherwise secured. The metal cap should be kept in place to protect the valve when the cylinder is not connected for use. Non-return valve and Flashback arrester shall be fixed at both end of cylinder and torch Domestic LPG cylinders shall not be used for Gas welding and cutting purpose. DCP or CO2 type Fire Extinguisher not less than 5 kg shall be fixed at or near to welding process zone in an easily accessible location. Fire Extinguisher should confirm to IS 2190: 1992. Welding grounds and returns should be securely attached to the work by cable lugs,

by clamps in the case of stranded conductors, or by bolts for strip conductors. The ground cable will not be attached to equipment or existing installations or apparatus.

a) STEEL

All finished steel shall be well and cleanly rolled to the dimensions and weight specified by BIS subject to permissible to tolerances as per IS: 1852. The finished materials shall be reasonable free from cracks, surface flaws laminations, rough and imperfect edges and all other harmful defects and shall be painted with anti-corrosive paint

Steel Sections, shall be free from excessive rust, scaling and pitting and shall be well protected. The decision of the Engineer-in-Charge regarding rejecting any steel section on account of any of the above defects shall be final and binding and shall be painted with anti-corrosive paint.

b) FABRICATION

Fabrication shall generally be done as specified in IS: 800.

In major works or where so specified, drawings giving complete information for the fabrication of the component parts of the structure including the location, type, size, length and details or rivets, bolts or welds, shall be prepared in advance of the actual fabrication and approved by the Engineer-in-Charge. The drawings shall indicate the shop and field rivets, bolts and welds. The steel members shall be distinctly marked or stenciled with paint with the identification marks as given in the shop drawings.

Great accuracy shall be observed in the fabrication of various members, so that these can be assembled without being unduly packed, strained or forced into position and when built up, shall be true and free from twist, kinks, buckles or open joints

Wooden or metal sheet templates shall be made to correspond to each member, and position of rivet holes shall be marked accurately on them and holes drilled. The templates shall then be laid on the steel members, and holes for riveting and bolting marked on them. The end soft he steel members shall also be marked for cutting as per required dimensions. The base of steel columns and the positions of anchor bolts shall be carefully set out at the required location.

c) ERECTION

Steel work shall be hoisted and erected in position carefully, without any damage to itself other structures and equipment and injury to workmen. The method of hoisting and erection proposed to be adopted by the CONTRACTOR shall be got approved form the Engineer-in- charge in advance. The CONTRACTOR however shall be fully responsible for the work being carried out in a safe and proper manner without unduly stressing the various members and proper equipment such as derricks, lifting tackles, winches, ropes etc. shall be used.

d) OVERALL DESIGN PARAMETERS

- ✓ **The codes and standards applicable for the design of the Project / Project facilities are given below**

Building Works and Electrical System	Road / Pedestrian Path Works
I. Central public works (CPWD)	I. Indian Road Congress (IRC) codes and standards

II. Bureau of Indian Standards (BIS)	II. Relevant Building Byelaws (on Parking Space)
III. National Building Codes (NBC);	
iv. HPPWD Standards	

Code	Application Details
IS 456-2000	Plain and reinforced concrete-code of practice
IS 875	Code Of practice for design loads for buildings and structures
Part 1: 1987	dead loads- unit weights of building material and stored material
Part 2: 1987	Imposed loads
Part 3: 1987	Wind loads
IS 1893: 2002	Criteria for earthquake resistant design of structures
IS 13920: 1993	Code of practice for ductile detailing of reinforced concrete structures subjected to seismic forces
IS 800:1984 & 2007	Code of practice for general construction in steel
IS 3370 Part 1 TO 4	Code of practice for liquid retaining structures
IS 2911 Part 1 TO 4	Design & Construction of Pile Foundation
SP-24-2000	Explanatory Hand Book on Indian Standard
	Code of Practice for Plain and Reinforced Concrete
BS 8110: 1997	Plain and reinforced concrete-code of practice (British standard)
SP-16-2000(Design Aids for Reinforced Concrete)	Design Aids for Reinforced Concrete to IS 456.
SP-34-1987	Hand Book on Concrete Reinforcement and Detailing.
IS 1343:2012	Code of practice for pre-stressed concrete (First Revision)
Soil Report	

✓ **Electrical system shall be provided as per the following applicable codes:**

SI No.	Code No.	Application Details
1	IS-10118 (Part I), 1982	Code of practice for selection, installation and Maintenance of switch gear & control gear.
2	IS-732, 1989 Rev.3	Electrical wiring system
3	IS-3043, 1987	Code of practice for ear thing
4	IS-13032, 1992(Rev.2)	MCB distribution boards for voltage up to and including 1000V AC
5	IS-12640, 1988	Residual current operated circuit breakers
6	IS-649, 1990 (Rev.-3)	P VC insulated cabled for working voltage up to and including 1100 V AC
7	IS- 9537 (Part-I), 1980	Conduits for electrical installations general requirements
8	IS-13118, 1991	Circuit breakers- general requirements
9	IS-13947 (Part-III), 1993	Air break switches for voltage not exceeding 1000VAC or 1800 V DC
10	IS-1248 (All parts), 1983, 1984,1993	Electrical direct acting instruments

11	IS-2147, 1962	Degree of protection provided by enclosures for LV switches gear and control gear.
12	National Electrical Code Part-4 Appendix IS 1255	R Recommended values of illumination and limiting values of glare index-Industrial Building (parking space Indoor and outdoor) For underground Cables
13		
14	IS 2309:1989	Code of practice for the protection of buildings and allied structures against lighting

Where the aforesaid are silent on any aspect, the following standards in order of preference shall be adopted in consultation with the Engineer-in-charge, unless otherwise specified in this schedule:

- i) Euro norm standards En: 14010: 2003 for parking structure safety.
 - ii) American National Standard Institute (ANSI)
 - iii) International standards organization(ISO)
 - iv) British Standards (BS)
 - v) National Fire Protection Association of America (NFPAA)
 - vi) American Society of testing materials (ASTM)
 - vii) International Society for Measurement and Control (ISA)
 - viii) ISO 9000
 - ix) Kis & Jis Standards
 - x) Americans with Disability Act Accessibility Guidelines
 - xi) American Association of State Highway and Transport officials (AASHTO)
 - xii) American Society of Mechanical Engineers code on storage retrieval (S/R) machines and associated Equipment (ASME B30.13)
 - xiii) National Mechanical code of America (NMC)
1. Any other standard proposed by the Bidder and approved by the Owner /Architect.
 2. The BIDDER shall provide illuminated signage in accordance with NBC/ IRC/ Norms at suitable locations within the parking facility. The scheme for signage shall be finalized in consultation with the independent Engineer.
 3. The Bidder shall provide the fire safety arrangement as per National Building Codes/ DIS codes or any widely accepted international codes.

NOTE: - The above-mentioned specification / codes are indicative only; any other code / specification required for development for parking facility will be applicable even though not mentioned above.

The above technical specifications described are minimum tender conditions. No deviation will be accepted below the specified specification.

2.2.2.1 Technical Specifications of Material/Item for Electrical work

All the materials/items which are proposed for the Parks and Playground Phase-II (Civil works) shall be as per their approved technical specifications in BOQ. The contractor shall use all standard and high class materials in the electrical system

1 POLE & ITS COMPONENT

Light poles structures are designed to support single or multiple luminaries' configurations. A light pole is required to be strong to withstand the physical forces of the application, capable of providing a long, relatively maintenance-free service life and be pleasing in appearance

A. Factors Affecting Pole Selection

Common materials used to construct poles include wood, steel, aluminum and fiber glass, with steel being the most common due to its strength and affordability. The following factors shall be considered in pole selection.

- Mounting Height (MH)
- Luminaries Selection and Configuration
- Auxiliary Equipment and Special Loading
- Wind Speed
- Terrain and Special Wind Regions
- Finish
- Special Requirements and Mounting Configurations
- Conformance with the BEE (Bureau of Energy Efficiency)
- BEAP

B. Specification For Light Poles

Fabricating, Supplying and Erection of hot dip galvanized mild steel Octagonal Pole of height 6m with Top – 70mm dia, Bottom – 130mm dia and 3.0 mm thickness sheet. Base plate of minimum dimension 220mm X 220mm X 12 mm and foundation- bolts M20 X 600 mm (4 nos. with 3 nos. of nuts and washers in each) common for each pole i.e. 6m with Single arm bracket for mounting the light fittings. The bottom section shall have open able slot with exterior surface door & shall have suitable locking arrangement for housing three phase 4 wire cable connection, Bakelite sheet, MCB, loop in and out arrangement for incoming/outgoing cables. There shall also be suitable arrangement for the purpose of earthing protection. The octagonal pole shall be bolted on a pre-cast foundation with a set of four foundation bolts for greater rigidity. The foundation shall be erected over cement concrete M20 of given size to fixed up to a required planting depth below ground level as required:

C. Detail Specifications Of Galvanized Octagonal Poles

- **Design:** -The Octagonal Poles shall be designed to withstand the maximum wind speed as per IS 875. The top loading i.e. area and the weight of fixtures are to be considered to calculate maximum deflection of the pole and the same shall meet the requirement of BS: 5649 Part VI 1982. In Overhead cabling system the service window should be provided at top of the pole for termination of power cables.
- **Pole Shaft:** - The pole shaft shall be made from sheet steel conforming to BSEN 10025. The pole shaft shall have octagonal cross section and shall be continuously tapered with single longitudinal welding. There shall not be any circumferential welding. The welding of pole shaft shall be done by Submerged Arc Welding (SAW) process. All octagonal pole shafts shall be provided with the rigid flange plate of suitable thickness (as per IS 2062) with provision for fixing 4 foundation bolts. This base plate shall be fillet welded to the pole shaft at two locations i.e. from inside and outside.
- **Door Opening:** - The Octagonal Poles shall have door of approximate 500 mm length at the elevation of 500 mm from the Base plate. The door shall be vandal resistance and shall be weather proof to ensure safety of inside connections. The door shall be flush with the exterior surface and shall have suitable locking arrangement. There shall also be suitable arrangement for the purpose of earthing. The pole shall be adequately strengthened at the location of the door to compensate for the loss in section.
- **Material:** -

SrNo.	Materials	Conforming Code
1.	Octagonal Poles	HT Steel Conforming to grade S355JO
2.	Base Plate	Fe 410 Conforming to IS 226 / IS 2062
3.	Foundation J- Bolts	EN.8 grade

- **V-Pole Sections:** - The Octagonal Poles shall be in single section. There shall not be any circumferential weld joint.
- **Galvanization:** -The poles shall be hot dip galvanized as per relevant Indian standards with average coating thickness of minimum 70 microns. The galvanizing shall be done in single dipping.
- **Colour:** - Pole should be Polyurethane (PU) Painted with suitable colour after galvanization process. The Paint colour will require prior approval from "Engineer-in-charge DSCL", Dharamshala.
- **Fixing Type:** -The Octagonal Poles shall be suitable for bolting on a foundation with a set of four foundation bolts for greater rigidity.
- **Bracket for fixing Luminaries:** - The brackets shall be made of specified size NB G.I heavy duty pipe with minimum 1000 mm to 1500 mm long,

bent at an angle of 100 to 110 degree, with necessary holding brackets, hold fasts etc.

- **Earthing:** -All components, frame etc. shall be properly earthed. The copper bonded electrode shall be proposed for the Earthing protection in Pole lighting system.
- **Marking & Identification:** -The Pole's must have Permanent marking on its own separate ID as well as Pole ID. As per this the pole identification will be easy and systematic on Parks and Playground Phase-II Area:

LIGHT ID -

POLE ID -

D. Octagonal Pole Specification

S. No.	Item	Minimum Specification	Bidder Compliance (Yes/No)	Remarks
1.	Pole Length	6 m above foundation		
2.	Foundation	Concrete foundation as per drawing.		
3.	Pole Material	Hot dipped galvanized mild steel.		
4.	Base Plate	220mm x 220mm x12mm(Common for all type)		
5.	Foundation J-Bolts	M20 x 600mm (4 nos. with 3 nos. of nuts and washers in each)		
6.	Shape	Octagonal Type		
7.	Operating Temperature	-10°C to +55°C		
8.	Operating Humidity	5 – 95% non-condensing		
9.	Cut-out at bottom	For MCB & Terminal block		
10.	Compliance Standards	IS: 2629, IS: 2633 , IS: 4759		
11.	Required Test for Pole	Type Test and Routine Test		

E. Octagonal Pole's Arm

S. No.	Item	Specification	Bidder Compliance (Yes/No)	Remarks
	Arm Length	1 m to 1.5 m long		
2.	Light Bracket	Galvanized ERW		
3.	Light arm angle with the pole	100 to 110 degree		
4.	Operating Temperature	-10°C to +55°C		
5.	Operating Humidity	5– 95% non-condensing		

2 LED LAMPS AND LUMINAIRE'S

The light source will be of white LED type and be compliant to IEC standards. Single lamp or multiple lamps can be used. The typical specifications for LED street lights are as follows:

Sr. No.	Typical specifications	Supporting Documents
1.	Bright white LEDs shall be used in the luminaries and the wattage of these LEDs shall be < 5W. The LEDs shall be SMD type (Not COB type LEDs)	LED Technical Data sheet
2.	Life span of LEDs used in the Luminaire shall be more than 50,000 hours at 70% light output	LM-80 / IS16105, L70 & TM 21Test Report test report including technical data sheet of LED Chip
3.	All the LED chips shall be with peanut lens made of PMMA to provide a good streetlight distribution. The lens shall be mechanically fixed (not glue pasted)	Confirmation
4.	Nominal sys Wattage: suitable Wattage with nominal system lumens: > 3500 lumens	LM-79 report

Sr. No.	Typical specifications		Supporting Documents	
5.	Colour rendering index (CRI) of the LEDs used in the luminaire shall be greater than 70		LM-80 / IS16105, L70 & TM 21 Test Report test report including technical data sheet of LED Chip	
6.	LED chip		LM-80 /IS16105, L70 &TM21 Test Report including technical data sheet of LED Chip	
7.	LED chip efficacy shall be more than 135 Lumens/watt at Tj 25° C		LED Technical Data sheet	
8.	Junction Temperature (Tj) should be <105°C		Manufacturer self-certify	
9.	Photo Biological Safety Report for the LEDs as per IEC 62471 and assessment of blue light as per IEC/TR 62778 – Ed. 1.0		Photo Report/Biological/Safety	
10.	Colour temperature of the luminaire shall be in the range of nominal 4000K to 5500K		LM-79report for both type of LED's to be submitted by the System Integrator	
11.	Power factor		> 0.95	LM-79 report
12.	Nominal efficacy(lumen/watt)	System	Shall be >105 lumen/watt	LM-79 report
13.	CRI of Luminaries		> 70	LM-79 report
14.	Lumen depreciation for rated life <30%		LM 80 Report to be submitted and Manufacturer has to self- certify	
15.	The luminaire light output (lumen) shall be constant. The voltage variations / fluctuations in the specified voltage range shall not impinge upon the lumen it produces. Maximum +/- 2% is allowed throughout in the input operating voltage range		LM-79 report	

Sr. No.	Typical specifications		Supporting Documents
16.	Operating voltage: 140 V to 270V universal electronic driver with internal surge protection of 4 KV (Applicability IS 15885, Driver Safety 16104-1/2)		NABL accredited lab report
17.	Total Harmonic Distortion: < 10% THD - Test Method IEC:610003-2		NABL accredited lab report
18.	LED Drive current		LM-79 report
19.	LED driver efficiency		LM-79 report
20.	Heat dissipation / heat sink: Well-designed thermal management system with defined heat sink		NABL accredited lab report
21.	The luminaire housing shall be made up of corrosion free High Pressure Aluminum die cast thus conforming the luminaire to minimum IP-66 for all wattages and safety as per IEC 60598/IS10322. (Only single housing fixtures allowed).		NABL accredited lab report
22.	The luminaire shall be equipped with distortion free, clear, heat resistant, toughened, UV stabilized glass / Poly- carbonate cover in the front fixed to the die cast Aluminium frame which shall be fixed to the housing by means of Corrosion resistant or Brass screws for areas not inside IP66 rated chamber. Zinc plated steel or equivalent screws can be applied inside sealed chambers.		NABL accredited lab report
23.	The luminaire shall be built in such a way that it can withstand wind speed of 150 kmph. (Impact resistance \geq IK05)		NABL accredited lab report
24.	Operating temperature	Range: -10C to +50C	NABL accredited lab report
25.	Protections	IP66 for all type of lamps to be installed Surge protection 4 kV, IEC61000-4-5	NABL accredited lab report
26.	Working humidity	5% to 95% RH	

Sr. No.	Typical specifications	Supporting Documents	
27.	Conformation standards of luminaire (Test reports of luminaire)	The luminaire should conform to IEC 60598/ IS:10322 The luminaire should be tested as per IEC 60598-2-3:2002/ IS:10322 Part 5 Sec-3 standards and following test reports should be submitted: Thermal Test, Ingress Protection Test, Electrical / Insulation Resistance Test, Endurance Test, Humidity Test, Photometry Test (LM79 report), Vibration Test	From NABL Certified TPL Test report TEST REPORT as per IS:10322 part-5 Sec-3/IEC:60598-2-3
28.	Finish	Aesthetically designed housing with corrosion resistant polyester powder coating	Self - Declaration
29.	Luminaire configuration /	Side entry type. Shall consist of separate optical and control gear compartment.	Self - Declaration
30.	Compliance	RoHS/CE/ERTL/ERDI	Confirmation
31.	Surge Protection	External Surge protection of minimum 10 kV/ 10 kA to be separately installed with the each fixture.	As per ANSI C 136.2-2014

3 CABLING FOR PARKS AND PLAYGROUND PHASE-II

A. Scope

The cabling for Parks and Playground Phase-II are in scope of contractor. In the sub-main system e.g. main feeder Panel to firefighting panel, main feeder panel to Sub Panels, & etc.

Cables shall be designed and manufactured so that damage will not result from transportation, installation and operation under all the climatic and operating conditions to which they may be subjected. Cables shall be suitable for laying conduits, vertical installation, ducts, trenches and trays or for direct burial in ground in both wet and dry locations. All materials used shall be new and shall

conform to this specification and relevant Indian Standards. The cables shall be suitable for continuous and reliable service at maximum voltage of 1100 V and at a max. Conductor temp of 85°C.

B. Specification Of Cables

The conductors shall be annealed, stranded high conductivity Aluminum/Copper high grade, HRPVC insulated, laid up extruded PVC (FRLS) inner sheathed, single galvanized round steel/Aluminum wire armored and overall jacketed with PVC (FRLS)

Sr.No.	Code	Technical Specifications	Bidder Compliance (Yes/No)	Remarks
1.	IS-1554 Part-I	PVC insulated cable for working voltage up to and including 1100 V		
2.	IS-3961 Part-II & V	Recommended current ratings for cables		
3.	IS-3975	Mild steel wires and tapes for armoring of cables		
4.	IS-4826	Hot dipped galvanized coatings on round steel wires		
5.	IS-5831	PVC insulation and sheath of electric cables		
6.	IS-6380	Specification for Elastomeric insulation and sheathing of electrical cables.		
7.	IS-8130	Conductors for insulated electric cables and flexible chords		
8.	IS-10418	Drum for electric cables		
9.	IS-10810	Methods of test for cables		
10.	IEC-287	Calculation of the continuous current rating of cables (100 % load factor).		
11.	IEC 332-1 & 3	Tests of Electric cables under fire conditions		

Sr.No.	Code	Technical Specifications	Bidder Compliance (Yes/No)	Remarks
12.	IEC-331	Fire resistance characteristics of electrical cables		
13.	IEC-754-1	Tests on gases evolved during combustion of electrical cables.		
14.	ASTM-D-2843	Test method of density of smoke from the burning or decomposition of plastics		
15.	ASTM-D-2863	Test method for measuring the minimum oxygen Concentration to support candle like combustion of plastics (oxygen Index)		
16.	IEEE: 383	Standard for type test of Class-1E Electric cables, field splices and connections for Nuclear power generating stations.		
17.	SS-4241475	Swedish standard for cables testing of flame propagation characteristics		
18.	IEC-189	Low frequency cables and wires with PVC insulation and PVC sheath.		
	Part-I	General test and measuring methods.		
19.	NEWMA-WC-5	Thermoplastic insulated wires and distribution of electrical energy.		

C. FRLS PVC Properties

FRLS PVC shall be following properties/characteristics.

1. The Oxygen index of cables shall be more than 30 % at 270°C + 20°C when tested in accordance with ASTM- D-2863.
2. Temperature index shall be more than 2500°C

3. Cables shall have smoke density of less than 50 % Max.
4. The Hydrochloric acid evolution shall be less than 17.5 %
5. Flammability test on finished cable

D. Core Identification

For 1 Core cable: Red, for 2 Core cables: Red and Black, for 3 Core cable: Red, Yellow, Blue, for 4 Core cables; Red, Yellow, Blue and Black. For cables more than 4 Core, as per NEMA-WC-5 meant for thermoplastic insulated wires and cables for transmission and distribution of electrical energy.

E. Cable Size And Lengths

The size and quantity of cables are as given as per BOQ.

F. Constructional Features

- **conductor**

The conductors shall be of H2 or H4 grade Aluminum as per latest IS: 8130 and shall be circular shaped. The conductor strands shall be solid and free from any inequalities or defects.

The material of PVC insulated copper conductor shall be made from high conductivity copper rods complying IS: 613-1964 and its amendments. The conductors shall consist of tinned annealed copper. Wire before stranding shall be approximately circular in cross-section. Smooth, uniform in quality and free from scale, spills and other defects

- **insulation**

Insulation shall be of extruded HR PVC material conforming to the latest IS-5831.

Sheath

- **Inner sheath**

The inner sheath of cable shall be FRLS ST-2 types as per IS-5831 and this should be extruded over the laid up core. The surface of the sheath shall be uniform, continuous and free from defects. Inner sheath shall be as per table-3 of latest edition of IS-1554 Part-1. Filler material if used shall be non-hygroscopic, thermoplastic material and over this PVC/Plastic/Millar type shall be provided for binding the core. Thermoplastic material shall be softer than outer sheath.

- **Outer sheath**

The outer sheath of the cable shall be of FRLS PVC-ST-2 type and should be extruded uniformly over the armoring of cable. Sheath shall confirm to IS-1554 Part-I and for dimensional requirement IS- 5831. Outer Sheath shall be black

in colour. All markings i.e. year of manufacture, voltage grade shall be embossed on the outer sheath. Sequential no. marking shall be given in printed form at every meter of the cable.

- **Armour**

The Armor used shall be galvanized round steel wire and shall conform the latest IS-3975. For single core Cable aluminum wire shall be used.

G. Inspection And Testing

QA plan of suppliers shall be approved by purchaser. Manufacturing and quality control of procedure, record shall be properly maintained which shall be offered for review to purchaser's representative.

H. Stage Inspection

Supplier should carry out stage wise inspection as per approved quality control plan and the records shall be shown to DSCL, Engineer for review in case desired by QS Engineer.

I. FINAL TESTS

The supplier shall conduct the final tests in the presence of purchaser's representative. Details of all the test are given below:

J. ACCEPTANCE TEST

- a) Tensile Test (IS:8130) (For Aluminum/copper)
- b) Wrapping Test (IS:8130) (For Aluminum/copper)
- c) Conductor Resistance Test (IS :8130)
- d) Test for armour wires (IS:3975)
- e) Test for thickness of insulation and sheath (IS:5381)
- f) Physical test for insulation and outer sheath (IS: 5831)
- g) Insulation Resistance Test (IS: 5831)
- h) High voltage Test (Water Immersion Test) (IS:1554)
- i) Critical Oxygen Index Test (ASTM-D 2863)
- j) Temperature Index Test (ASTM-D-2863)
- k) Acid Gas Generation Test (To determine percentage of hydrochloric acid released from the PVC jacket over the cable) (IEC-754-1)
- l) Smoke generation test (ASTM-D-2843/77)
- m) Flammability test for finished cables-IEC-332.
- n) Flammability Test Class F-III Swedish SS-4241475

K. ROUTINE TEST

1. Conductor Resistance Test (IS-8130)
2. High Voltage Test (IS-1554)
3. Measurement of insulation resistance on the complete supplied length of cable in all the drums.

L. DWC HDPE CABLE DUCTS:

The high density polyethylene pipe having corrugation on outer wall and plain from inside shall conform to IS – 14930 Part 1 – 11 amended to date. The pipe shall be ISI marked. Manufacturer's test reports of anti-rodent test, toxic test of pipe from Govt. approved test house shall be required for acceptance of DWC HDPE ducts. The advantage of duct bank for laying of cable is the following:

- Increased safety
- Faster installation
- Exact pipe spacing
- Smaller trench size
- Conduit arrives in rebar cage
- Labels make installation simple
- Sturdy enough to walk on (unlike snap-together spacers)
- Road and other closures impacting the general public are shortened
- The following are the basic requirement of duct system:
- Longer life and light weight
- Easy to handle and install
- Ability to take heavy loads
- No sharp edges and flexible for taking bends
- Chemically nonreactive
- Rodent and terminate proof

M. STANDARDS:

The ducts shall be manufactured in compliance with the following standards:

SrNo	Test	STANDARAD
1.	Joviality	IS 4984
2.	Reversion	IS 4984
3.	Tensile strength	ISO 6059/ASTM F 2160
4.	Elongation Test	ISO 6059
5.	Environmental stress	ASTM 1693
6.	Melt flow rate	ISO 1133

7.	Density of Raw material	ISO 1133
8.	Color pigment dispersion	ISO 4427/18553
9.	Impact strength	IS 12235 (part 9)/ ASTM D 2444
10.	Outer diameter	ISO 11922

N. Data sheet of 120 mm DWC HDPE DUCTS:

Sr. No	Test	Test method	Specification
1.	Constructions	BSEN 61386 - 24 As per IS:14930 Part-2	Within the conduit system, there shall be no sharp edges, burrs or surface projections which are likely to damage insulated conductors or cables, or inflict injury on the installer or user.”
2.	Outer Diameter	BSEN 61386 - 24 As per IS: 14930 Part-2	120 mm + 1.2 - 0.0 mm
3.	Inner Diameter	BSEN 61386 - 24 As per IS: 14930 Part-2	103 mm
4.	Inner Layer		The Inner layer shall be Silicone
5.	Compression Test	BSEN 61386 - 24 As Per IS:14930 Part-2	>450N @ 5% deflection. There shall be no crack allowing the ingress of light or water between the inside & the outside.
6.	Impact test	BSEN 61386 - 24 As Per IS:14930 Part-2	There shall be no crack allowing the ingress of light or water between the inside & the outside when tested with 5Kg. Load, drop height of 570 mm@ -5 °C.
7.	Length		As per site requirement.
8.	Colour	As per TEC	Black / Orange or Suitable Colour Approved by DSCL, Dharamshala.
9.	Marking		The name and size of the duct manufacturer shall be embossed on the outer surface of the duct

Sr. No	Test	Test method	Specification
10.	Bending Test	BEN 61386-24 As per IS: 14930 Part- 2	Samples shall not flatten when bent to 90 degree to a radius of 2 meter at -5oC & at ambient temperature. Compliance shall be checked by passing a ball of dia. 95% to the minimum inner dia. of the sample
11.	Accessories	IP67-Water Ingress Test	Couplers with 'O' Ring as per IP 67 for protection from water and soil ingress
12.	ISO Certificate		ISO 9001,14001 &18001certified manufacturer for supply of ducts

4 EARTHING PROTECTION SYSTEM

Earthing system shall be installed as required by the approved working/GFC drawings, and as specified herein. Neutral conductors of the wiring system shall be grounded at the transformer secondary's and at the panel boards, the grounding connections shall be made as indicated on Drawings, and as required by the IS Code.

The Earthing System should be based on use of GI Chemical Earth Electrode (for corrosion resistance) and Ground Enhancement Material (to reduce Soil Resistivity). - It should be capable of providing any ohmic value as specified by the DSCL, by inter-connection of ground rods to form a Grid. - The system shall be totally maintenance free. There shall be no requirement to add water or any other chemical any time after initial installation. - The system shall provide constant low ohmic value for entire life cycle without any consideration for moisture or temperature conditions

5 EARTHING ELECTRODE SYSTEM/ CHEMICAL EARTHING

1. In maintenance free Earthing GI Rod electrode shall be of 40 mm in diameter and 2-meter length. The rod shall be placed in an augured hole in the ground and then surrounded by ground enhancement material in either a dry form or pre mixed in slurry. Once set, ground enhancement material becomes hard and as such holds positively to the rod as well as surrounding ground. Earth rod offered shall have passed the required Test.
2. Ground enhancement material shall be as per IEEE-80 clause 14.5d. The ground enhancement material shall be permanent and not leach any chemicals in to the ground.
3. Minimum 30 Kg of ground enhancement material shall be provided for each earth electrode.

4. Inspection chamber shall be of 300 x 300 mm with concrete base CI manhole cover with frame painted with bit mastic paint.

A. TESTING AT SITE

1. Testing of Earth Continuity Path: The earth continuity conductor including metal conduits and metallic envelopes of cable in all cases shall be tested for electric continuity and the electrical resistance of the same along with the Earthing lead but excluding any added resistance of earth leakage circuit breaker measured from the connection with the earth electrode to any point in the earth continuity conductor in the completed installation shall not exceed five ohms.
2. Earth Resistivity Test: Earth resistivity test shall be carried out in accordance with IS Code of Practice for Earthing IS 3043.

The Earthing pits grid system will be created by introducing an Earthing pit at Parks and Playgrounds Phase-II. In addition to above all the Sub – Main Panels, Main feeder Panel, and the other electrical equipment's will be thoroughly earthed to provide the maximum protection to the system as per relevant standards and specifications within Parks and Playground Phase-II.

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 in BOQ, revised specifications if provided and execution drawing notes etc.
- b) CPWD Specifications
- c) I.S. Codes of practice.
- d) Standard specification of the StatePWD 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 with 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) The Contractor has to prepare a quality control Register (QCR) and results of tests conducted shall be entered in the QCR on daily basis. The Junior Engineer of PMC, DSCL and Project manager of Contractor shall be responsible to conduct tests on daily basis. The results of the same shall be verified by the Engineers in charge, DSCL.
- d) 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.
- e) 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.
- f) 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.
- g) Soil Investigation Tests shall be conducted for ascertaining the bearing capacity of the soil and other parameters required for the structural design of retaining structures.
- h) 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 cubes as per Technical specifications at specified frequency shall be conducted in the presence of DSCL and representative of contractor from Third party Govt. approved laboratory.

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 & 53Grade) & PPC 43 & 53 Grade)	Birla,ACC, L&T, Gujarat Ambuja, ,Birla, JK Cement, JP Rewa., Shree, J.K. Lakshmi, M/sBinani Cement,Ultra tech
2.	TMT Tor Steel	SAIL, TISCO, RINL, JINDAL PANTHER of (JSPL)",Shyam Steel,JSW.
3.	Structural Steel	SAIL,TISCO, RINL ,JSW, JSPL
4.	Aluminum Sections	Jindal, Hindalco
5.	Anti-termite chemical & Wood Preservatives	Thiodon, De-nocil, Bayer.VamOrganic,NOCIL,Hindustan Insecticides, Roffe Construction Chemicals
6.	Paints (OBD, Emulsion paints, Synthetic enamel Paints)	ICI,Asian,Berger, Nerolac
7.	Water Proof Cement Paints	Snowcem India Ltd., ICI, Asian

Sr. No	Details of Materials / Equipment	Manufacturer's Name
8.	Red Oxide & Pink Primers	ICI, Asian, Berger, Nerolac
9.	Precast Cement Concrete Pavers & Tiles	Nitco, Ultra, Johnson, Dura crete or Equivalent
10.	Pipes	Finolex, Vectus, Astral or Equivalent

- 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.
- The manufacturers in the above list may be substituted (if needed) with prior approval of DSCL.
- As per the Govt. of India amendment in General Financial Rule 2017, all bidders should comply to the guidelines issues by the Ministry of Finance Development of Expenditure F.No.6/18/2019-PPD dated 23rd July 2020 – [Annexure-9](#)

2.3.5 Project Staff

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

To ensure quality of work, the listed positions under [clause.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 **12 calendar months** from 15 days from the award of work. 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 [Clause 3.7.4.](#)

2.5.3 The Defects Liability Period

- a) The Defect Liability Period (Maintenance Period) shall be **12 Calendar months** 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 laborers, 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 fulfil 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-imbrued 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

Drawings will be provided by DSCL, however the drawings may be altered as per the actual site conditions and same would need to be approved by DSCL before undertaking the work at site.

3.1.6 Quality Assurance

a. Inspection

The DSCL/PMC and its authorized 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.
- 3) All the equipment/Test apparatus related to quality control shall be provided by the contractor at the site

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.
6. Site Laboratory has to be established by the contractor at site on his own cost

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/school authority 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 contractor's 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.

Contractor has to fix a Project information board at the site location before the execution of construction work, the information board shall include:- Name of work, Name of Employer, Project Management consultant, Name of Contractor, Estimated cost of work, Date of Commencement, Date of Completion

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 [Section 4](#) 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

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 work 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 intermediate to monthly certificates

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

d. 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 labour, 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.

e. 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.

f. 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.

g. 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.

h. Royalty charges

- 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.
- 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 Mobilisation Advance

Mobilisation advance will not be provided in this RFP

3.2.4 Secured Advance against Material brought to Site

Secured Advance against Material brought to Site Secured advance on the security of materials (which are not combustible, fragile or perishable in nature) brought to the site but not yet incorporated in the works will be made up to 75 (seventy-five) per cent of invoice value, or the 75 (seventy-five) per cent of the corresponding value of the materials determined on the basis of BOQ rates, whichever is less, subject to the condition that their quantities are not excessive and shall be used within a period of 90 (ninety) days and subject to other stipulations in the contract. The contractor will be required to sign an indenture bond, hypothecating the goods to the procuring entity, and also be responsible for their safe custody. Before the advance is released, the procuring entity may inspect the site to ensure that the Contractor has safeguarded the materials against pilferage and deterioration. It may be ensured that the contractor has not taken any loan/ limit from banks against hypothecation of the materials against which the secured advance is claimed. An undertaking in this regard may also be taken from the contractor. Generally, as per the provisions of the contracts, the contractors are required to submit proof of cost of materials and the delivery of material at site while claiming such advances. The stock register should be maintained from the commencement of the contract and, unless otherwise prescribed in the contracts, the stock, so considered for advance, should generally be only paid stock (and not brought on credit). Where the materials are supplied from a captive source of the contractor, the reasonableness of the valuation of such materials may be ensured. The advance will be repaid from each succeeding running bill (periodic/ interim payment) to the extent materials for which advance has been previously paid have been incorporated into the works. In all cases, the repayment of the advance will be affected after expiry of a period of 120 days since payment of advance, whether the material is consumed in the work or not.

3.2.5 Release of Payments

- a) Payments shall be made by the DSCL within 15 (Fifteen) 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) DSCL shall deduct payments against statutory deductions such as retention, TDS, GST/VAT, Cess etc. as per rules in force from time to time.
- c) 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.
- d) Payment shall be made in Indian Rupees by RTGS/ NEFT on Bank in the name of the Contractor.
- e) All remittance charges shall be borne by the Contractor.
- f) Any liquidated damages, for delay and non-performance, as mentioned in this RFP document, shall be deducted from the due payments.
- g) Indirect taxes and levies and any statutory deductions as applicable, shall be deducted as per the prevalent rules and regulations.

3.2.6 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.

3.2.7 Variations

3.2.7.1 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 new rate or price shall be appropriate for the excess quantity of item of work if it exceeds the 30% of the BoQ quantity and the excess amount exceeds 1% of the initial Contract Amount and shall be approved by the competent authority

- 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.

3.2.7.2 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.

3.2.7.3 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.

3.2.7.4 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 DSCS 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.

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 there of 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
- Payment of Wages Act, 1936.

- Minimum Wages Act, 1948,
 - Employees Liability Act, 1938,
 - Workmen's Compensation Act, 1923, Industrial Dispute Act, 1947
 - Maternity Benefits the modifications thereof
 - 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
- i. At the time of contract agreement if any revised/amended labour act are introduced by government then the revised labour act/wages will be applicable.

3.5 Force Majeure

- a) The Contractor shall not be liable for termination for default if and to the extent that it's 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 2.5](#) 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.2.5.5](#).

- b. 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.
- c. 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.....).
 - d. 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
 - e. 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.
 - f. 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

MANAGING DIRECTOR 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

MANAGING DIRECTOR 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

3.13 Security and Safety

1. Bidder shall comply with the directions issued from time to time by the DSCL and the standards related to the security and safety, in so far as it applies to the provision of the Services.
2. Bidder shall upon reasonable request by the DSCL, or its nominee(s) participate in regular meetings when safety and information technology security matters are reviewed.

SECTION – 3 ANNEXURES

Annexure 1- Guidelines for Pre-Qualification Proposal

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

SrNo.	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.	Power of Attorney for Lead Member Annexure 6A			
6.	The Contractor should be registered under unified registration in CPWD with a valid UIN Equivalent Registration in any State Govt. Dept. Central Govt. Dept., other Govt. Dept. / undertaking of state/Central Govt. P.S.U.		Registration Number: Date of Incorporation:	
7.	Copy of Certificate from the Statutory Auditor for the last 3 (Three) financial years.		Year-wise Details Turnover	
8.	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:	
9.	Valid Copy of PAN		Ref No.	
10.	Valid copy of GSTIN registration		Ref No. Date	
11.	No Deviation Certificate Bidders' As per format provided at Annexure 1.7		Submitted on Company Letterhead	
12.	Certificate of Total Responsibility as per Annexure 1.5		Submitted on Company Letterhead	
13.	Turnover Certificate as per annexure 1.6			
14.	Consortium Agreement Annexure 1.4			

Annexure 1.2 - Pre-Qualification Cover Letter

(To be submitted on the letterhead of the bidder)

Date:

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

**Subject: Bid for "Construction of Sports/Playfields in Govt. Senior
Secondary Boys School at Dharamshala"**

RFP Reference No: XX

Dear Sir,

With reference to your invitation for bids for "**Construction of Sports/Playfields in Govt. Senior Secondary Boys School 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 [] in the form of [.....]
- 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.	Organization 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] [Year] at [Place] among _____ (hereinafter referred to as "_____") and having office at [Address], India, as Party of the First Part, _____ (hereinafter referred to as "_____") 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 Sports/Playfields in Govt. Senior Secondary Boys School 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 Sports/Playfields in Govt. Senior Secondary Boys School 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 Sports/Playfields in Govt. Senior Secondary Boys School 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)

Witness:

**Annexure 1.5 Certificate for Total Responsibility
(To be provided on the Company letter head)**

To,

The MD cum CEO,

Dharamshala Smart City LTD

Dharamshala (Himachal Pradesh)

Subject: Self Declaration for Total Responsibility in response to the RFP for
**Construction of Sports/Playfields in Govt. Senior Secondary Boys School
at Dharamshala.**

▪

Ref: RFP No. <<.....>> dated <<>>

Dear Sir,

This is to certify that we undertake the total responsibility for the defect free operation of the proposed solutions as per the requirement of the RFP for the duration mentioned in all the volumes of the RFP.

(Authorized Signatory)

Printed Name

Designation

Seal

Date:

Place:

Business Address:

Annexure 1.6 Certificate for Turnover of All Bidders/Consortium Members

*(This format will be applicable for all type of turnover certificates, regarding various types of works or quantities)
(To be provided on the Company letter head by the bidder or all consortium members with audited Financial Statement)*

To,

The MD cum CEO,

Dharamshala Smart City LTD

Dharamshala (Himachal Pradesh)

Subject: Construction of Sports/Playfields in Govt. Senior Secondary Boys School at Dharamshala.

Ref: RFP No. <<.....>> dated <<>>

Dear Sir,

We have examined the books of accounts and other relevant records of <<Bidder >> along with registered address>>. Based on such examination and according to the information and explanation given to us, and to the best of our knowledge & belief, we hereby certify that the annual turnover and the net-worth for the last three audited financial years were as per details given below:

Financial turnover:

Name of Bidder/Consortium member		
Annual Turnover of the firm	FY 2016-17	
	FY 2017-18	
	FY 2018-19	
	FY 2019-20	
	FY 2020-21	
Net worth as per last audited FY	FY 2017-18	
	FY 2018-19	
	FY 2019-20	

I further certify that I am competent officer in my company to make this declaration. Yours sincerely,

(Authorized Signatory with Seal)



**Construction of Sports/Playfields in
Govt. Senior Secondary Boys School at
Dharamshala**



Dharamshala Smart City Ltd.

Printed Name

Designation

Date:

Place:

Business Address:

Phone:

Email Address

Annexure 1.7 Certificate for No deviation

(To be provided on the Company letter head)

Place

Date

To,

The MD cum CEO,

Dharamshala Smart City LTD

Dharamshala (Himachal Pradesh)

Subject: Self Declaration for No Deviation in response to the Request for Development of "Construction of Sports/Playfields in Govt. Senior Secondary Boys School at Dharamshala." Ref: RFP No. <<.....>> dated <<.....>>

Dear Sir,

This is to certify that our offer is exactly in line with your tender enquiry/RFP (including amendments) no. _____ dated _____. This is to expressly certify that our offer contains no deviation either Technical (including but not limited to Scope of Work, Business Requirements Specification, Functional Requirements Specification, Hardware Specification and Technical Requirements Specification) or Commercial in either direct or indirect form.

(Authorized Signatory)

Printed Name

Designation

Seal

Date:

Place:

Business Address:

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 Annexure 2.2			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
6	Format for Anti-Collusion Certificate			As per Annexure 2.7

* 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

**MANAGING DIRECTOR CUM CEO
DHARAMSHALA SMART CITY LIMITED
Old Himuda Building, Chilgari,
Dharamshala District Kangra
Himachal Pradesh- 176215**

Sub.: Request for Proposal for "**Construction of Sports/Playfields
in Govt. Senior Secondary Boys School 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 Sports/Playfields in Govt. Senior Secondary Boys School 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 Sports/Playfields in Govt. Senior Secondary Boys School 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 5% 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.

Name of Work	Name of HP Govt. Dept. or any other state dept. or Central PSU's	Cost of Completion				Remarks (Indicate in % of completion of awarded components)
		Awarded amount	Completion Amount	Penalty if any and amount paid thereafter	Date of Completion	
1	2	3	4	5	6	7

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

Name of Work	Name of HP Govt. Division or State or Central PSU's where work is executed	Ongoing Works			Position of works in progress (indicate in% of Completion of awarded components)	Stipulated Date of completion	Remarks
		Awarded amount	Amount of work done up to last running bill	Penalty if any and amount paid thereafter			
1	2	3			4	5	6

**Note: - (1) Attested Copies of Work Order and ongoing work 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:

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

'X' = 2020 – Year of completion

#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 x N x 2 - B
				=WC*(1+7%)^X		=A*N*2-B

Available Bid Capacity =

Authorized Signatory

Name& Designation

Seal

Annexure 2.6 A –Manpower

Technical and Administrative Manpower proposed to be deployed for the project including the mandatory positions as per Cl. 1.4.6.4

Sl	Name	Designation	Qualification	Experience in similar projects
1				
2				
3				
4				
5				
6				

Authorized Signatory

Name& Designation

Seal

Annexure 2.6 B-List of Tools and Plants

Construction Plant and Equipment proposed to be deployed for the project.

Sl.	Plant and Equipment	Nos	Own/Hired
1)	Hydraulic Excavator(JCB)	2	
2)	Vibratory Compactor (Needle Type)	3	
3)	Tractors	1	
4)	Trucks	1	
5)	Tipper	2	
6)	Concrete Placers (manual)	2	
7)	Plate Compactors	1	
8)	Dewatering pump	2	
9)	Concrete Mixer	2	

- I) Ownership proof shall be attached
- II) Hired equipment may be considered on production of Hire Agreement along with proof of ownership of equipment

Signature
Name& Designation

Seal of Bidder

Annexure 2.7 Format for Anti-Collusion Certificate

[Certificate should be provided by Lead Bidder on letter head]

Anti-Collusion Certificate

(To be submitted by Sole Bidder as well as all members of Joint venture) We hereby certify and confirm that in the preparation and submission of our Bid for **Request for Proposal for Construction of Sports/Playfields in Govt. Senior Secondary Boys School at Dharamshala** in Himachal Pradesh against the RFP issued by DSCL, we have not acted in concert or in collusion with any other Bidder or other person(s) and also not done any act, deed or thing, which is or could be regarded as anti-competitive. We further confirm that we have not offered nor will offer any illegal gratification in cash or kind to any person or organization in connection with this Bid.

(Signature of the Bidder)

Printed Name

Designation Seal:

Date:

Place:

Office Address with contact details:

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

MANAGING DIRECTOR CUM CEO
Dharamshala Smart City Limited
**Old Himuda Building, Chilgari,
Dharamshala District Kangra
Himachal Pradesh- 176215**

Subject: Bid for “**Construction of Sports/Playfields in Govt. Senior
Secondary Boys School 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 4- Format for Declaration by the bidder for not being Blacklisted / Debarred

(To be submitted on the Letterhead of the bidder/all Consortium Members)

Date: dd/mm/yyyy

To

**MANAGING DIRECTOR CUM CEO
Dharamshala Smart City Limited
Old Himuda Building, Chilgari,
Dharamshala District Kangra
Himachal Pradesh- 176215**

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 Sports/Playfields in Govt. Senior Secondary Boys School 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.

**ANNEXURE 6A POWER OF ATTORNEY FOR LEAD MEMBER NOMINATED BY THE
CONSORTIUM MEMBERS**

(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 Sports/Playfields in Govt. Senior Secondary Boys School 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 Thereof, 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).

Annexure7 – Format for Bank Guarantee for Earnest Money Deposit

To
**MANAGING DIRECTOR CUM CEO
DHARAMSHALA SMART CITY LIMITED
Old Himuda Building, Chilgari,
Dharamshala District Kangra
Himachal Pradesh- 176215**

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 Sports/Playfields in Govt. Senior Secondary Boys School 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

**MANAGING DIRECTOR 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 Sports/Playfields in Govt. Senior Secondary Boys School 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 5% 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 5% of the Total Contract Value i.e.,.....<in words> without any demur. Not with standing

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 be paid by 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.

Notwithstanding anything contained hereinabove, our liability under this Performance Guarantee is restricted to 5% 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 5% 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.

**Annexure 9 Ministry of Finance, Department of Expenditure Public Procurement
Division**

F.No.6/18/2019-PPD
Ministry of Finance
Department of Expenditure
Public Procurement Division

161, North Block
New Delhi
23rd July, 2020

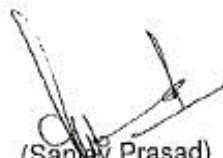
Order (Public Procurement No. 2)

**Subject: Exclusion from restrictions under Rule 144 (xi) of the General Financial
Rules (GFRs), 2017 –regarding.**

In Order (Public Procurement No. 1) dated 23rd July 2020, orders have been issued requiring registration of bidders from a country sharing a land border with India in order to be eligible to bid in public procurement.

2. Notwithstanding anything contained therein, it is hereby clarified that the said Order will not apply to bidders from those countries (even if sharing a land border with India) to which the Government of India has extended lines of credit or in which the Government of India is engaged in development projects.

3. Updated lists of countries to which lines of credit have been extended or in which development projects are undertaken are given in the website of the Ministry of External Affairs.


(Sanjay Prasad)
Joint Secretary (PPD)
Email ID: js.pfc2.doe@gov.in
Telephone: 011-23093882

To,

- (1) Secretaries of All Ministries/ Departments of Government of India for information and necessary action. They are also requested to inform these provisions to all procuring entities.
- (2) Secretary, Department of Public Enterprises with a request to immediately reiterate these orders in respect of Public Enterprises.
- (3) Chief Secretaries/ Administrators of Union Territories/ National Capital Territory of Delhi

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 Sports/Playfields in Govt. Senior Secondary Boys School 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,
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.



**Construction of Sports/Playfields in
Govt. Senior Secondary Boys School at
Dharamshala**



Dharamshala Smart City Ltd.

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: _____

Signed by:

*For and on behalf of the Employer
Agency*

for and on behalf of the Implementing

In the
Presence of: _____

in the
presence of:

Witness, Name, Signature, Address, Date

Witness, Name, Signature, Address, Date

SECTION – 4 BILL OF QUANTITIES

Financial Proposal Format & Instructions

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

RFP Reference No: XX

"Construction of Sports/Playfields in Govt. Senior Secondary Boys School"

"BILL OF QUANTITIES"

PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

Sl. No.	Item Description	Quantity	Units	RATE In Figures To be entered by the Bidder in Rs. P	TOTAL AMOUNT With all Taxes in Rs. P	TOTAL AMOUNT In Words
1	2	4	5	13	53	55
1	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of grith up-to 30 cm. measured at a height of 1 metre above ground and removal of rubbish upto a all leads and Lifts and as per the direction of Engineer in charge	1035.00	sqm		0.00	INR Zero Only
2	Demolition above G.L. upto all floor level including disposal of unserviceable materials upto a all leads and Lifts and as per the direction of Engineer in charge	21.39	cum		0.00	INR Zero Only

3	Demolition of brick work above G.L. upto all floor level including stacking of serviceable materials and disposal of un-serviceable materials upto a all leads and Lifts and as per the direction of Engineer in charge	17.28	cum		0.00	INR Zero Only
4	Demolition of Rubble Masonary wall in cement mortar below G.L. upto in any depth including stacking of serviceable materials and disposal of un-serviceable materials upto a all leads and Lifts and as per the direction of Engineer in charge	91.13	cum		0.00	INR Zero Only
5	Cutting in earth work and disposal of excavated earth upto all leads and Lifts and as per the direction of Engineer in charge include spade work, pick work, chiselling/ wedging out of rock where blasting is prohibited soft rock/hard rock.	29.10	cum		0.00	INR Zero Only

6	Excavation in foundations, trenches etc, in earth work, such as spade work, pick work including Chiselling/ wedging out of rock where blasting is prohibited hard /soft rock lift upto all heights stacking the excavated soil not more than 3 metres clear from the edge of the excavation and then returning the stacked 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 upto a all leads and Lifts and as per the direction of Engineer in charge	243.05	cum		0.00	INR Zero Only
7	Excavation in drains and channels etc. in earth work including dressing of side and bed and disposing of excavated earth upto a lead upto all leads disposed earth to be levelled and neatly dressed with pick and spade work.s and as per the direction of Engineer in charge	170.43	cum		0.00	INR Zero Only

8	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto a all leads and Lifts and as per the direction of Engineer in charge	2175.00	sqm		0.00	INR Zero Only
9	Providing & filling, stone/boulder solling under floors/filling behind retaining walls of selected hard stone including carriage of material in all leads & lifts and as per direction of Engineer in charge.	231.23	cum		0.00	INR Zero Only
10	Providing and laying cement concrete 1:5:10 (1 cement : 5 Sand :10 graded stone aggregate 40mm nominal size) and curing complete excluding the cost of form work in foundation and plinth including carriage of material in all leads and lifts as per direction of Engineer in Charge.	44.01	cum		0.00	INR Zero Only
11	Providing and laying cement concrete mechanically mixed 1:4:8 (1 cement : 4 sand : 8 graded stone aggregate 40mm nominal size) curing complete excluding cost of form work in	183.08	cum		0.00	INR Zero Only

	foundation & plinth and walls including attached buttresses pilasters and their caps and bases and string courses etc. upto floor two level. including carriage of material upto all leads and lifts and as per direction of Engineer in charge.					
12	Providing and laying cement concrete 1:3:6 (1 cement:3 sand:6 graded stone aggregate 40mm nominal size) excluding cost of centring and shuttering in foundation and plinth/ steps and coping etc. and in Walls including attached buttresses,pilasters and their caps and bases and string courses etc. upto all floor level includng carriage of material upto all leads and lift as per Engineer-In-Charge.	42.52	cum		0.00	INR Zero Only

13	<p>Providing and laying in position ready mixed or site batched M15 design mix cement concrete for Reinforced/Plain cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana/Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering and finishing, including carriage of material upto all leads and lift as per Engineer-In-Charge.</p> <p>Note: Cement content in design mix shall not be less than 240 kg /cum</p>	128.86	cum		0.00	INR Zero Only
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14	<p>Providing and laying in position ready mixed or site batched M20 design mix cement concrete for Reinforced/Plain cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana/Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering and finishing as per direction of the Engineer-in-charge; for the following grades of concrete in all works including carriage of material upto all leads and lifts and as per direction of Engineer-In-Charge. Note:- Cement content shall not be less than 270 kg /cum.</p>	83.12	cum		0.00	INR Zero Only
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15	Providing Tor Fe500 Grade steel reinforcement for R.C.C. work including bending, binding and placing in position complete upto all floor level including cost of binding wire with carriage of material upto all leads and lifts and as per direction of Engineer-In-Charge.	6382.96	kg		0.00	INR Zero Only
16	Providing form work with steel plates 3.15mm.thick welded with angle iron in frame 30x30x5mm. so as to give a fair finish including centering, shuttering, strutting and propping etc. with wooden battens and ballies, height of propping and centering below supporting floor to ceiling upto all heights and removal of the same for insitu-reinforced concrete & plain concrete work in foundation,footings basis of columns etc. and mass concrete floors etc. upto 200mm thickness for vertical & horizontal, and flat & circular surfaces of, soffit, beam, slab, column and retaining structure etc.	161.18	sqm		0.00	INR Zero Only

17	Providing form work with steel plates 3.15mm.thick welded with angle iron in frame 30x30x5mm. so as to give a fair finish including centering, shuttering, strutting and propping etc.and removal of the same for insitu-reinforced concrete & plain concrete work in drains.i/c carriage of materials of all leads and lifts as per Engg. in Charge	620.10	sqm		0.00	INR Zero Only
18	Providing and fixing precast RCC M20 grade saucer drain size(1.0x0.20x0.40)m i/c reinforcement steel bar as per design and drawings,i/c all lifts, lead, carriage and taxes.	200.20	Rmt.		0.00	INR Zero Only
19	Providing and fixing precast M20 grade of RCC drain cover slab (1000x700)mm i/c reinforcement steel bar as per design and drawings, and 75mm thick perforated RCC drain cover, (with 50mm PVC pipe for holes) i/c all lifts, lead, carriage and taxes.	140.00	Rmt.		0.00	INR Zero Only

20	Steel work welded in built up sections in 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 and in In gratings framed guard bars, ladders, railing,brackets and similar works trusses and framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint including carriage of material upto all leads and lifts and as per direction of Engineer In Charge.	69.54	qtl.		0.00	INR Zero Only
21	Random rubble masonry/ polygonal rubble masonry (Uncoursed/brought to courses) with hard stone of approved quality in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 Sand : 12 Graded stone aggregate 20mm nominal size) in cement mortar 1:6 (1 cement:6 sand) in breast walls and retaining walls also inclusive the rate of carriage of material	360.10	cum		0.00	INR Zero Only

	upto all leads and lifts and as per direction of Engineer-in-Charge.					
22	Brick work using common burnt clay second class building bricks with cement mortar 1:3 (1 cement : 3 sand) in super-structure above plinth level upto all floor level i/c carriage of material upto all leads and lifts and as per direction of Engineer-In-Charge.	65.99	cum		0.00	INR Zero Only
23	Providing and fixing of G.I. wire 5mm thick corresponding to SWG-6. 75mm x 75mm. Mesh with all taxes and including carriage of material upto all leads and lifts and as per direction of Engineer-In-Charge.	966.50	Sqm		0.00	INR Zero Only
24	Providing weepholes in brick masonry / stone masonry /plain reinforced concrete abutment, wing wall, return wall with 110 mm dia PVC pipe (weight should not be less than 4kg/cm ²), extending through the full with of the structures with slope of 1(v):20(H) towards drawing face complete as per drawing and	81.99	Rmt.		0.00	INR Zero Only

	technical specification clauses 614, 709, 1204.3.7, including carriage of material in all leads and lifts and as per direction of Engineer in Charge.					
25	Providing and laying heavy duty precast cement concrete 60mm thick coloured & laminated interlocking paver blocks vibro compacted upto M-35 grade i/c border or kurb block grey or colored 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 as per approved design pattern, technical specification and direction of Engineer-In-Charge. (Sub base concrete floor to be paid for separately) including carriage of material upto all leads and lifts and as per direction of Engineer-In-Charge.	383.33	Sqm		0.00	INR Zero Only

26	<p>Providing and laying heavy duty precast cement concrete 50mm thick coloured & laminated interlocking paver blocks vibro compacted upto M-30 grade i/c border or kurb block grey or colored 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 as per approved design pattern, technical specification and direction of Engineer-In-Charge. (Sub base concrete floor to be paid for separately).upto a all leads and Lifts.</p>	578.26	Sqm		0.00	INR Zero Only
27	<p>Providing and laying 15mm thick slate flooring size (300x200)mm, on 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 and</p>	40.00	Sqm		0.00	INR Zero Only

	carriage of material up to all leads and lifts and as per direction of Engineer in Charge.					
28	Painting two coats (excluding priming coat) on new steel and other metal surface under coat with ready mixed paint brushing to give an even shade including cleaning the surface all dirt, dust and other foreign matter with readymixed paint other than white including carriage of material upto all leads and lifts and as per direction of Engineer-In-Charge.	378.69	sqm		0.00	INR Zero Only
29	Pointing on Random rubble uncoursed stone masonry with cement mortar 1:3 (1 cement :3 sand) raised and cut pointing including carriage of material upto all leads and lifts and as per direction of Engineer in charge.	161.25	sqm		0.00	INR Zero Only
30	15mm Cement plaster in cement mortar 1:4 (1 cement : 4 sand) in single coat on the rough side of brick/ concrete/ stone walls for interior/exterior plastering up-to floor two level including arrises, internal rounded	766.40	sqm		0.00	INR Zero Only

	angles, chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth including carriage of material upto all leads and lifts and as per direction of Engineer-In-Charge.					
31	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 including carriage of material upto all leads and lifts and as per direction of Engineer-In-Charge.	766.40	sqm		0.00	INR Zero Only
32	Finishing wall with weather proof exterior grade emulsion of approved design (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	766.40	sqm		0.00	INR Zero Only

	matter etc including sand paper smooth complete including carriage of material upto all leads and lifts and as per direction of Engineer-In-Charge.					
33	Providing and laying damp proof course to horizontal/vertical surface with cement mortar 1:2 (1 cement:2 sand) and curing complete with applying a coat of hot bitumen (mexphalt 80/100 or equivalent) using 1.70 kg. per square metre on damp proof course after cleaning the surface with a piece of cloth lightly soaked with kerosene including carriage of material upto all leads and lifts and as per direction of Engineer-In-Charge.	35.40	sqm		0.00	INR Zero Only
34	Providing, laying and fixing of FITFLEX Interlocking Sports Tiles. Tile size should be (304.88 x 304.88) mm and Thickness 16mm. Double Layered Material must weigh 3.7 kg per sqm +-5%, One Tile must have 10 Rectangular shaped Locks, The Lock Size	751.74	sqm		0.00	INR Zero Only

	should be(40 x 11) mm Double Locking System, must have the holes for fasteners to be Inserted for Fixing. Shock Absorption 35 %, Ball Bounce > 97%, vertical Deformation 2.3mm, Tiles should be antiskid and perfect for sports. The Tile must be ITF approved. Vendor company must be ISO Certification and manufacturing Code of Sports Flooring on Udyam,Rhombus shaped top. including all taxes and carriage of material upto all leads & lifts, and as per direction of Engineer in charge.					
35	Supplying and stacking of good earth at site including royalty and carriage upto 100 metres on head load and 1 km. By mechanical transport (earth measured in stacks will be reduced by 20% for payment)	220.80	cum		0.00	INR Zero Only
36	Supplying and stacking sludge at site including royalty and carriage upto 100 metres by head load and 1 km. By mechanical transport (Sludge measured in stacks will be reduced by 8% for payment)	220.80	cum		0.00	INR Zero Only

37	Mixing earth and sludge or manure in proportion specified or directed including carriage of material up to all leads and lifts and as per direction of Engineer in Charge.	220.80	cum		0.00	INR Zero Only
38	Providing and fixing Neelgiri/Mexican grass turf with earthy 50mm to 60mm thickness of existing ground prepared with proper level and ramming with required tools wooden (Dhurmos) and than rolling the surface with light roller make the surface smoothen and light, watering with sprinkler and maintenance for 30 days or more till the grass establish properly as per direction of Engineer- In-Charge.	736.00	sqm		0.00	INR Zero Only
39	Providing, and fixing volley Ball Structure made of MS ISI Mark tubing outer pole outer dia 88mm with wall thickness of 3mm Thickness with arrangement of holding the net wire heavy duty. Net wire tightening mechanism, Both with the help of a single key All System as per International Standard, make as	2.00	Each		0.00	INR Zero Only

	per FIVB Rules and finished goods including all taxes and carriage of material upto all leads & lifts, and as per direction of Engineer in Charge.					
40	Supply and fixing of Basketball Pole BB2 : Supply of basketball poles make as per BFI Rules and finished goods made of heavy iron 8 inch diameter with 5 mm WT middle support of 60 mm diameter 4 mm WT , Extension as per Basketball federation of India 3.20 Mtrs. Dunking Rings: Supply & fixing of basketball Rings with shock absorbers made of heavy Iron MS bar (solid). Basketball Board: Supply & fixing of basketball boards acrylic made without any water Mark/ scratch, water proof/weather proof as per BFI. Standard size (180x 105)cm, 25mm, Thick, covered with angle iron all around 35 mm x 4 mm with computerized lining of paint and tapered / chrome plated Nut bolts are used to fix the angle iron	2.00	Each		0.00	INR Zero Only

	support. including foundation work of Earthwork, PCC, concrete with specified reinforcement with all taxes and carriage of material upto all leads & lifts, and as per direction of Engineer in Charge.					
41	Providing and fixing of the Intergrally weighted badminton posts allows regulation net height to be achieved Detachable front upright manufacture from 40mm round pipe 4mm thick Base in 94x47mm=12swg weight stock of cast iron 75kg each side Wheel as non marking with bearing inside the wheel 100 mm dia. Complete with rubber feet to protect the playing surface and grip on wooden &synthetic floor. finish polyester powder coated blue colour. including all taxes	2.00	Each		0.00	INR Zero Only

	and carriage of material upto all leads & lifts, and as per direction of Engineer-In-Charge.					
42	Providing and fixing Net (Volley ball Net as per SAI guidelines of high class) on volleyball pole i/c carriage of material upto all leads & lifts, and as per required dimensions direction of Engineer in Charge.	1.00	Each		0.00	INR Zero Only
43	Providing and fixing Net (Badminton Nets as per SAI guidelines of high class) on badminton court as per required dimensions pole including all taxes and carriage of material upto all leads & lifts, and as per direction of Engineer in Charge.	1.00	Each		0.00	INR Zero Only
44	Supplying, installation , Testing & Commissioning of LED Luminaires fixture of 150 watt for street lighting complete with all materials, in all lead & lift as per Engineer-In Charge.	12.00	Each		0.00	INR Zero Only

45	<p>Supplying and erection of hot dip galvanized Octagonal Pole height- 6 M suitable with Single arm band , including foundation J-bolt & base plate complete with fixing of all materials. Pole should be PU painted (Polyurethane Paint) & Powder coated with suitable colour including carriage of materials with all lead and lifts. Materials as approved by " DSCL" & As per direction of Engineer-in - Charge</p>	12.00	Each		0.00	INR Zero Only
46	<p>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:- Double door-8 way including carriage of material upto all leads & lifts, and as per direction of Engineer In Charge.</p>	3.00	Each		0.00	INR Zero Only

47	Supplying and fixing Single Phase AC Surge Protection Device (SPD) 1 in the existing MCB DB complete with connections, testing and commissioning etc. as required including carriage of material upto all leads & lifts, and as per direction of Engineer in Charge.	2.00	Each		0.00	INR Zero Only
48	Supplying and fixing following rating, double pole (single phase & neutral) 240 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. 40 Amps. Cat-A including carriage of material upto all leads & lifts, and as per direction of Engineer in Charge.	3.00	Each		0.00	INR Zero Only
49	Supplying and erection of 40/50/63 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:- Double pole. Cat-A including carriage of material upto all leads & lifts, and as	13.00	Each		0.00	INR Zero Only

	per direction of Engineer in Charge.					
50	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:-Single pole. Cat-A including carriage of material upto all leads & lifts, and as per direction of Engineer in Charge.	10.00	Each		0.00	INR Zero Only
51	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc.direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc. , complete as required. 120 mm dia (OD-17 mm & ID-103 mm nominal)	195.00	Rmt.		0.00	INR Zero Only

	including carriage of material upto all leads & lifts, and as per direction of Engineer in Charge.					
52	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 6 sq. mm (twin core) including carriage of material upto all leads & lifts, and as per direction of Engineer in Charge.	190.00	Rmt.		0.00	INR Zero Only
53	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 10 sq. mm (twin core) including carriage of material upto all leads & lifts, and as	300.00	Rmt.		0.00	INR Zero Only

	per direction of Engineer in Charge.					
54	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required. PVC insulated HRFR LS Copper conductor 3 x 1.5 Sq. mm including carriage of material upto all leads & lifts, and as per direction of Engineer in Charge.	120.00	Rmt.		0.00	INR Zero Only
55	Supplying, Installation, Testing & Commissioning of GI earthing protection system for Electrical system in Building including all these following materials ; { 1. GI earthing rod 40 X 2 Mtr, 2. chemical bag (15kg) in 2 nos, 3.Advance Maintenance free gel chemical (5 Ltr.), 4.GI wire 8 Sq mm, 5. Inspection Cover (300 X 300), 6.Installation & Commissioning	6.00	Set		0.00	INR Zero Only

	charges , 7.Shipping Charges}, Labour Charges & as required. including carriage of materials with all lead and lifts. Materials as approved by " DSCL" & As per direction of Engineer-in - Charge					
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(Total Amount in words: Rupees only)

Instructions:

- a) 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.
- b) 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.
- c) 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.

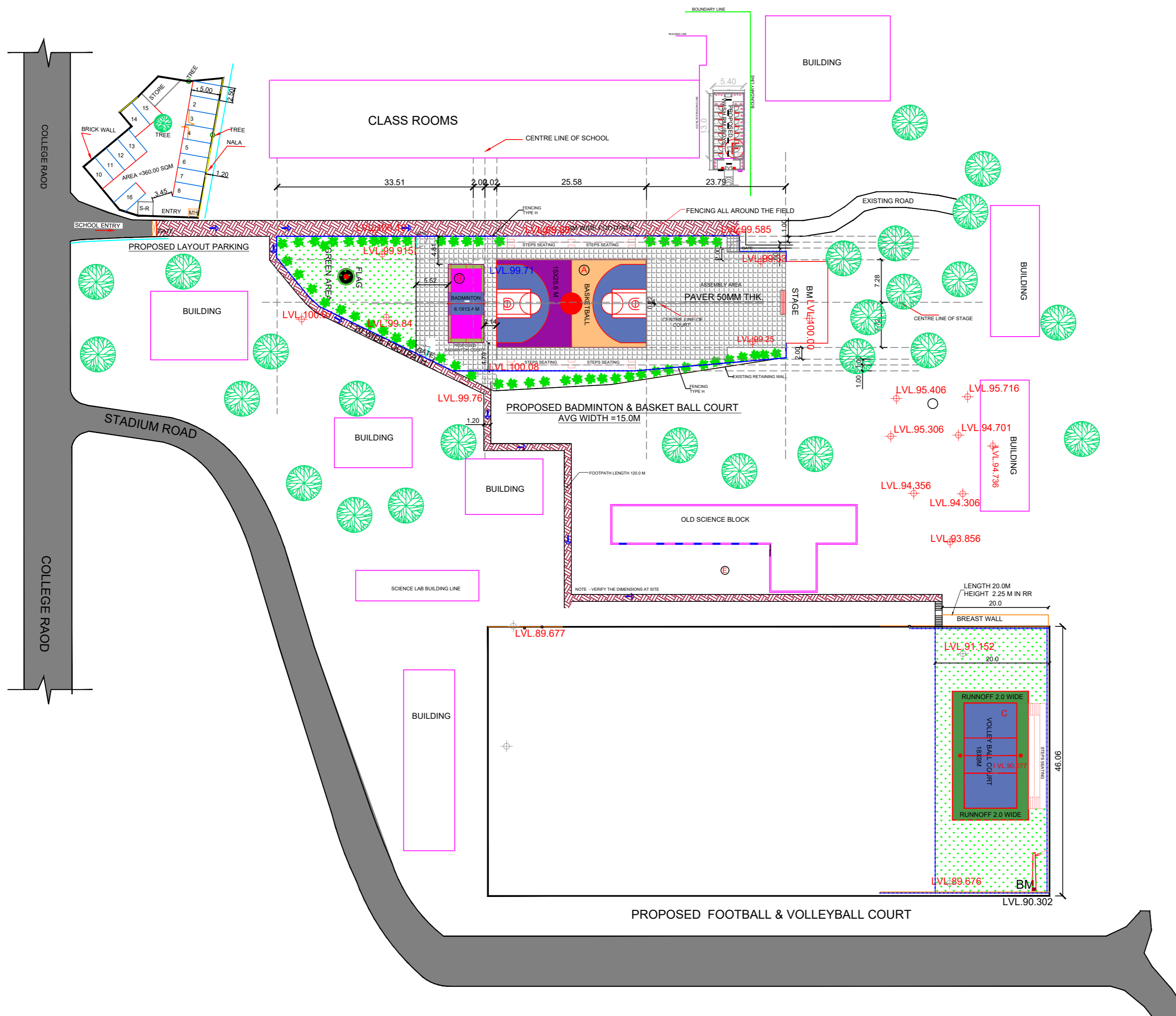
SECTION – 5: DRAWINGS

DRAWINGS

	LIST OF DRAWINGS	DRAWING NO.	NO. OF SHEET
	LAYOUT DRAWING		
1.1	PROPOSED LAYOUT FOR PLAY GROUND	DRG. NO. AGICL-DSCL-CV-PR-001	1
1.2	LAYOUT OF VOLLEYBALL COURT & BREAST WALL	DRG. NO. AGICL-DSCL-CV-PR-002	1
1.3	LAYOUT OF BADMINTON & BASKET BALL COURT	DRG. NO. AGICL-DSCL-CV-PR-003	1
1.4	TYPICAL DETAIL FOR ALL THE COURTS	DRG. NO. AGICL-DSCL-CV-PR-004	1
1.5	LAYOUT OF DRAINAGE	DRG. NO. AGICL-DSCL-CV-PR-005	1
1.6	ENLARGED PLAN FOR DRAIN LAYOUT	DRG. NO. AGICL-DSCL-CV-PR-006	1
1.7	CHAIN LINK FENCING LAYOUT	DRG. NO. AGICL-DSCL-CV-PR-007	1
1.8	TYPICAL DETAIL CHAIN LINK FENCING & GATE	DRG. NO. AGICL-DSCL-CV-PR-008	1
1.9	RR MASONRY STEPS FOR BASKET BALL	DRG. NO. AGICL-DSCL-CV-PR-009	1
2.0	LAYOUT OF PARKING & TYPICAL SECTION DETAIL	DRG. NO. AGICL-DSCL-CV-PR-009	1
	ELECTRICAL DRAWING		
2.1	ELECTRICAL LAYOUT FOR PLAY GROUND AT BOYS SCHOOL	DRG. NO. AGICL-DSCL-EL-PR-001	1
2.2	KEY DIAGRAM LAYOUT	DRG. NO. AGICL-DSCL-EL-PR-002	1
2.3	DETAIL OF FOUNDATION FOR 6.M OCTAGONAL ELECTRICAL POLE	DRG. NO. AGICL-DSCL-EL-PR-001	1

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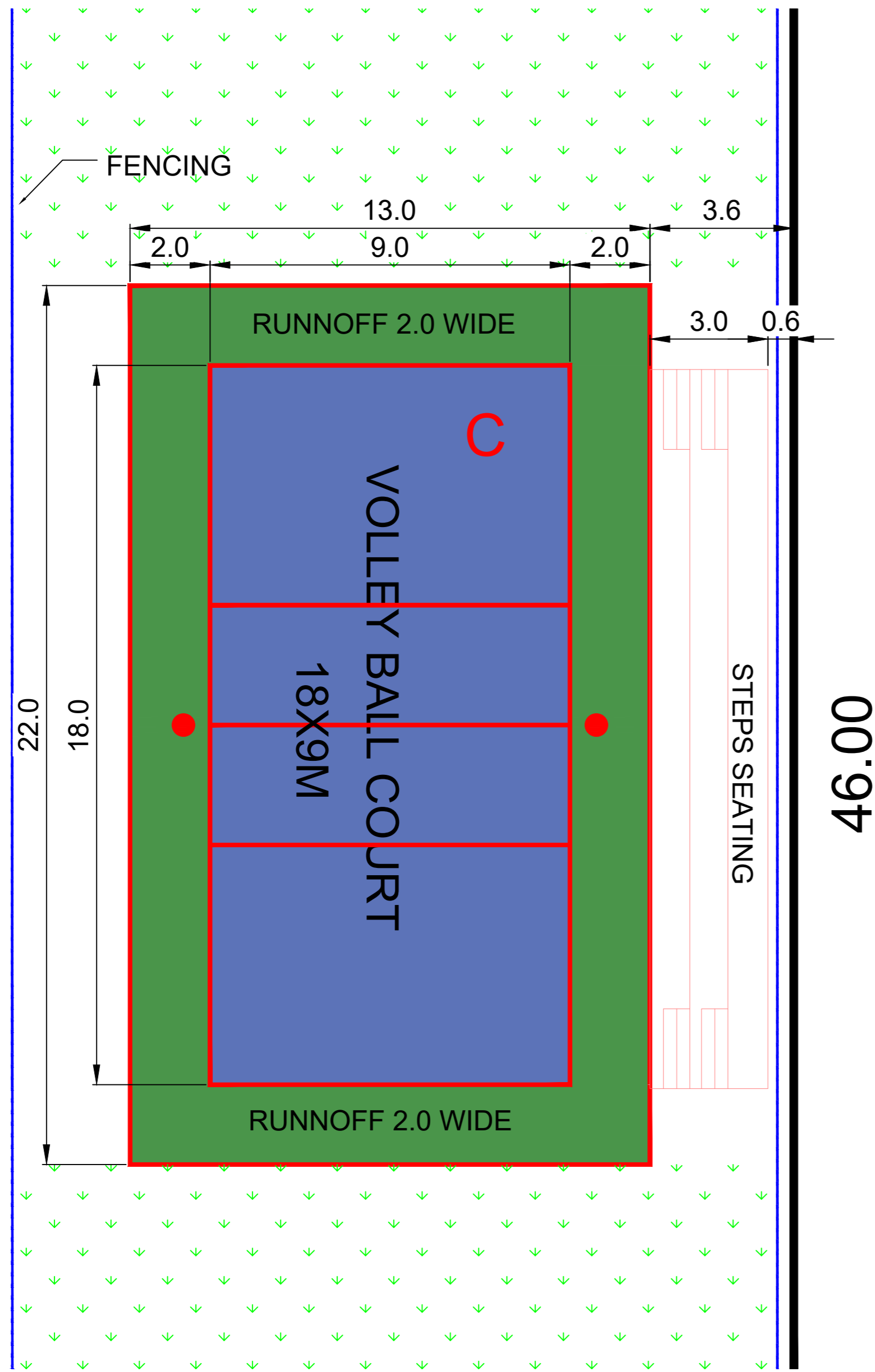
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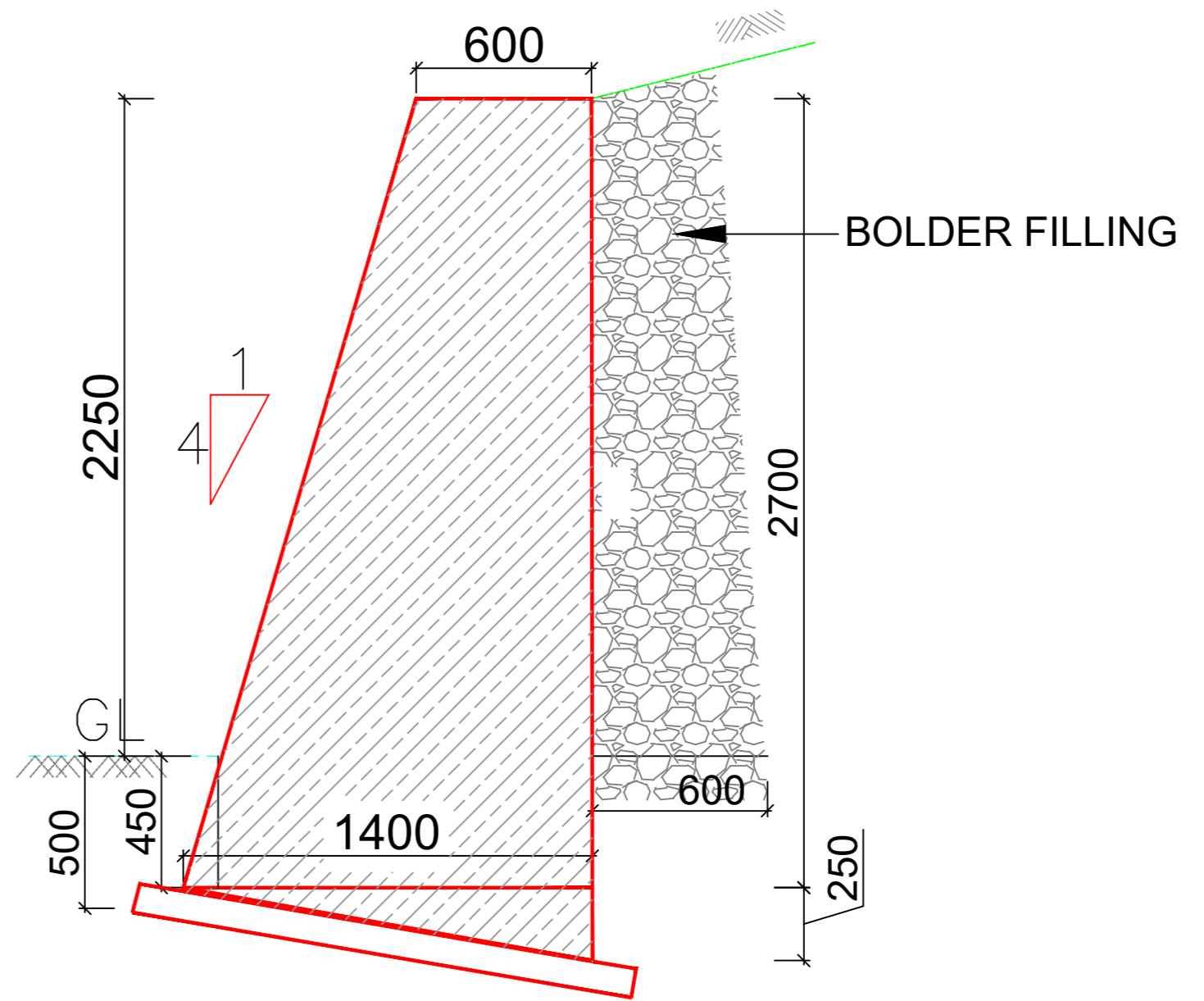
LEGEND:-

S.N.	SYMBOL	DESCRIPTION OF SYMBOL	REMARK
1	A	BASKETBALL COURT	
2	B	BADMINTON COURT	
3	C	VOLLEY BALL COURT	
4	D	FOOTBALL COURT	
5	E	FEMALE TOILETS	
6	F	MALE TOILETS	

	CLIENT:	 Step Forward to a Smart Neighbourhood SMART CITY PROPOSAL	PROJECT MANAGEMENT CONSULTANT:	 IN JOINT VENTURE WITH almondz the infrastructure specialist	PROJECT:	APPROVED BY:	A.S	TITLE : TENDER DRAWING PROPOSED LAYOUT FOR PLAY GROUND AT BOYS SCHOOL
	CONSTRUCTION OF PLAY GROUND AT BOYS SCHOOL		CHECKED BY:		M.R			
	DESIGNED BY:		S.C					
	DRAWN BY:		A.S					
STATUS	SCALE: A2 AS SHOWN	A3	DATE: Nov. 2021	DRG. NO. AGICL-DSCL-CV-PR-001	REV. R1			

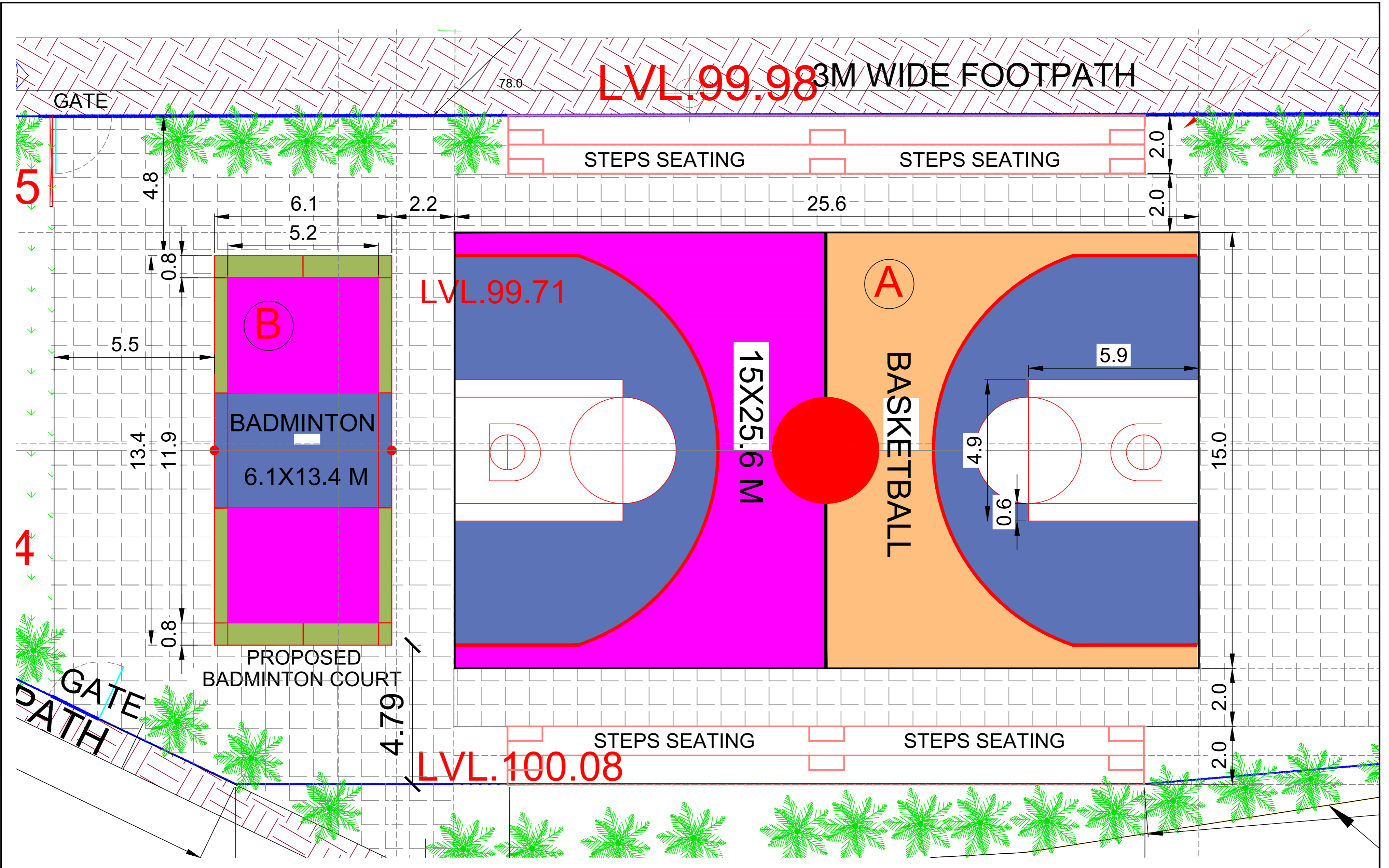


LEGEND FOR TYPES OF BREAST WALL			
S.N.	TYPE	TYPE OF FENCING	LENGTH
1	BREAST WALL OF HEIGHT 2.25 M IN RANDOM RUBBLE		20.0 M



BREAST WALL 3M HIGH

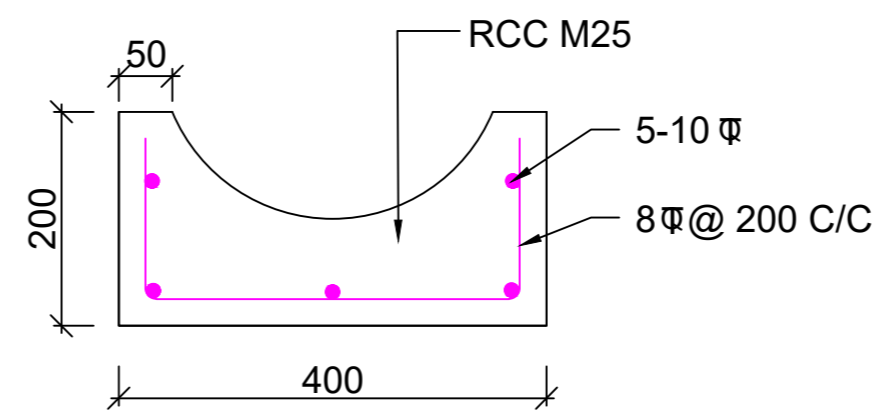
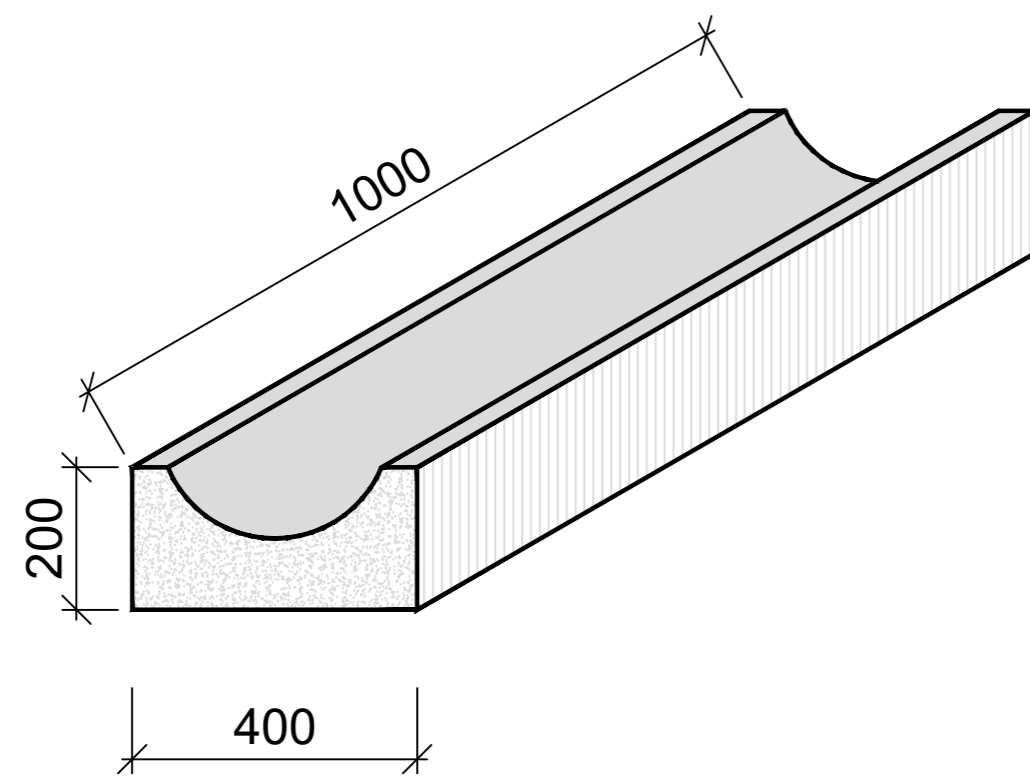
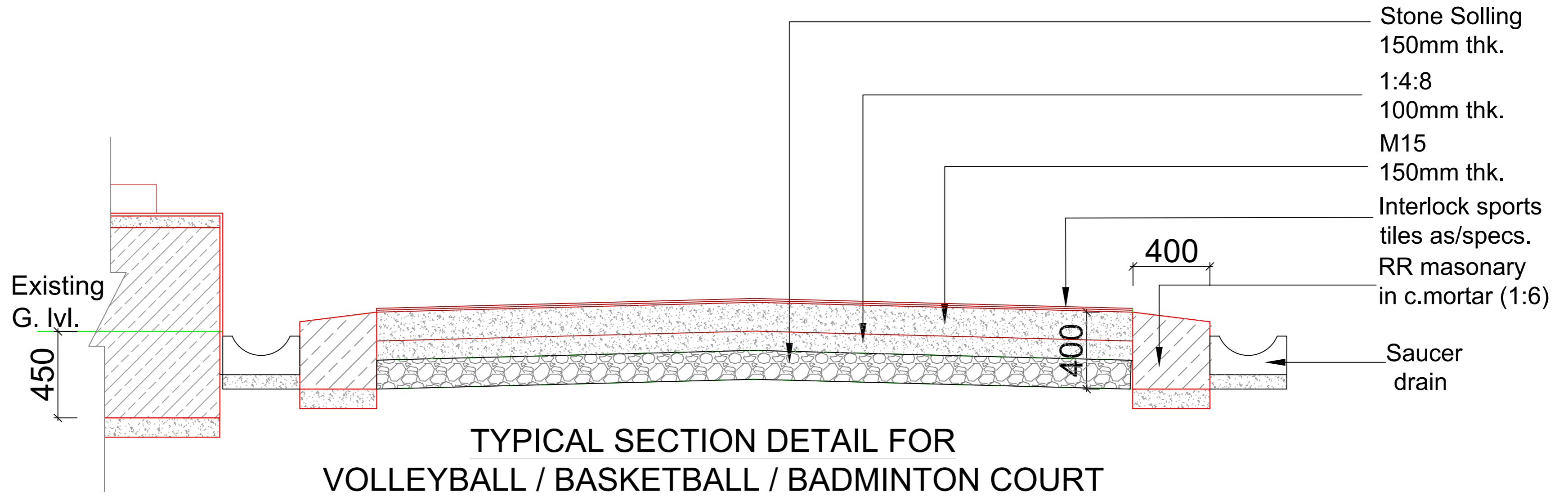
		CLIENT: Divine Dharamshala Step Forward to a Smart Neighbourhood SMART CITY PROPOSAL	PROJECT MANAGEMENT CONSULTANT: IN JOINT VENTURE WITH almondz the infrastructure specialist	PROJECT: CONSTRUCTION OF PLAY GROUND AT BOYS SCHOOL	APPROVED BY: A.S. CHECKED BY: M.R. DESIGNED BY: S.C. DRAWN BY: A.S.	TITLE : TENDER DRAWING LAYOUT OF VOLLEYBALL COURT & BREAST WALL		
				STATUS:	SCALE: A2 AS SHOWN A3	DATE: NOV. 2021	DRG. NO. AGICL-DSCL-CV-PR-002 SH.1	REV. R1



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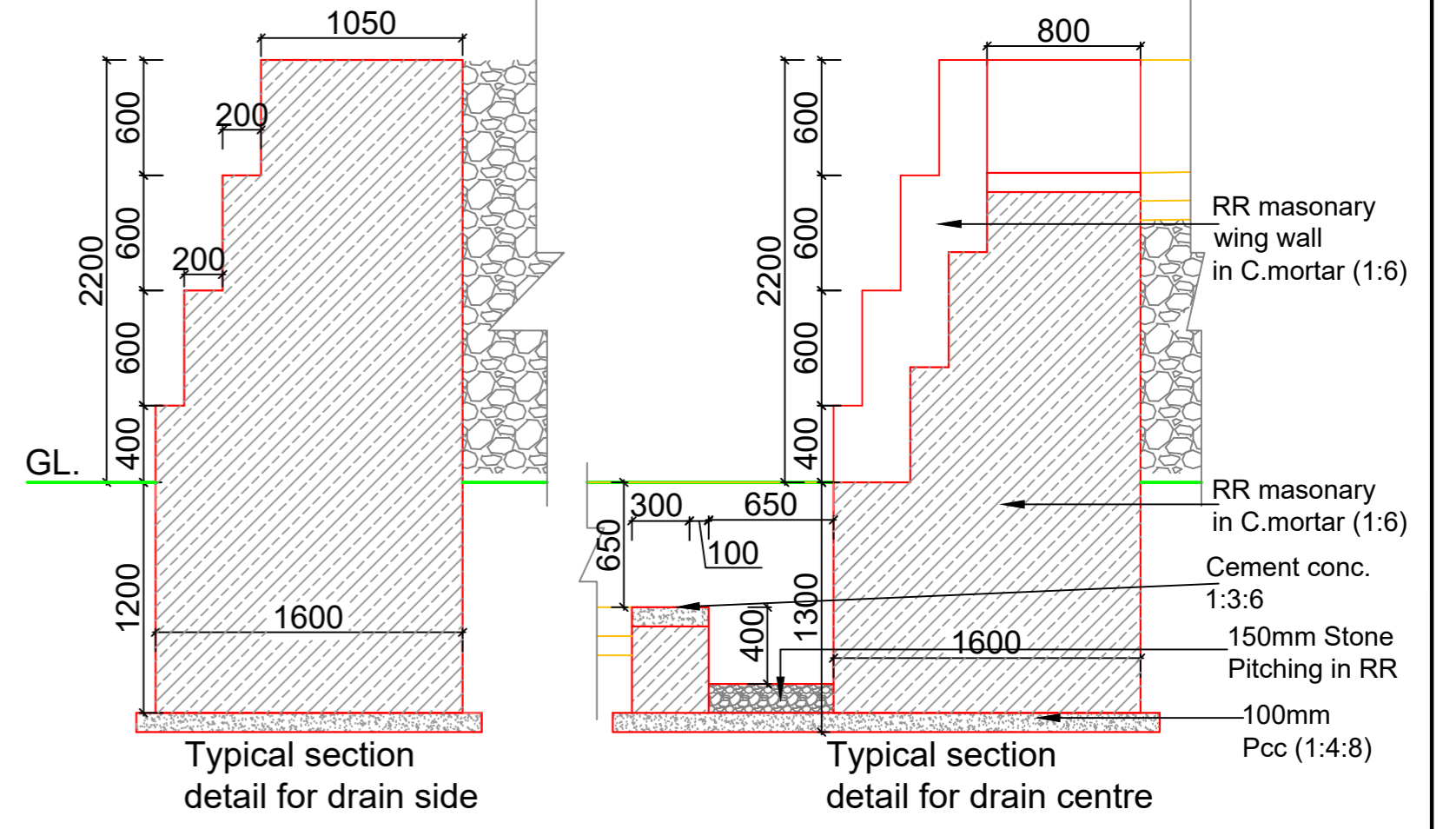
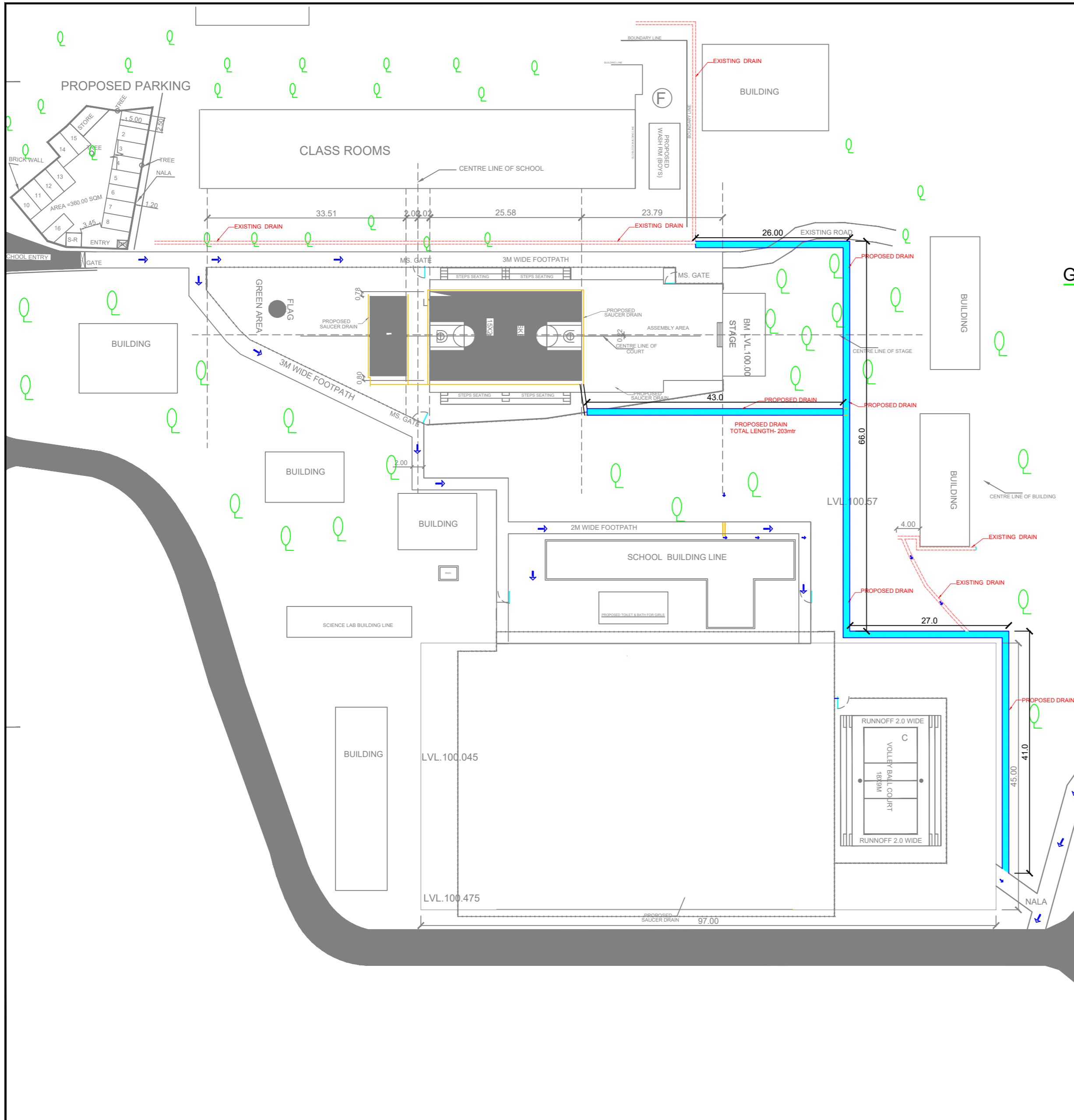
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<p>STATUS</p>	<p>SCALE: A2 AS SHOWN</p>	<p>DATE: NOV. 2021</p>	<p>DRG. NO. AGICL-DSCL-CV-PR-003</p>	<p>REV. R1</p>																	
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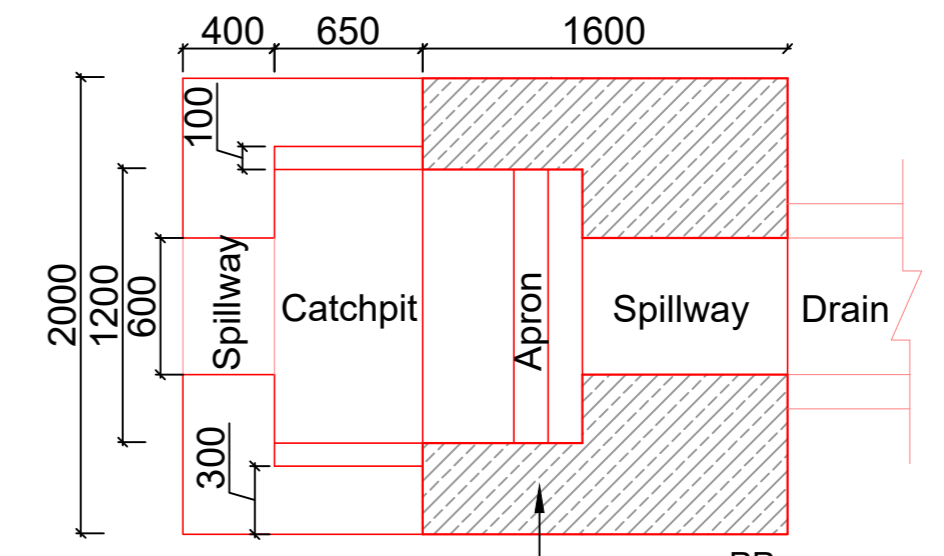
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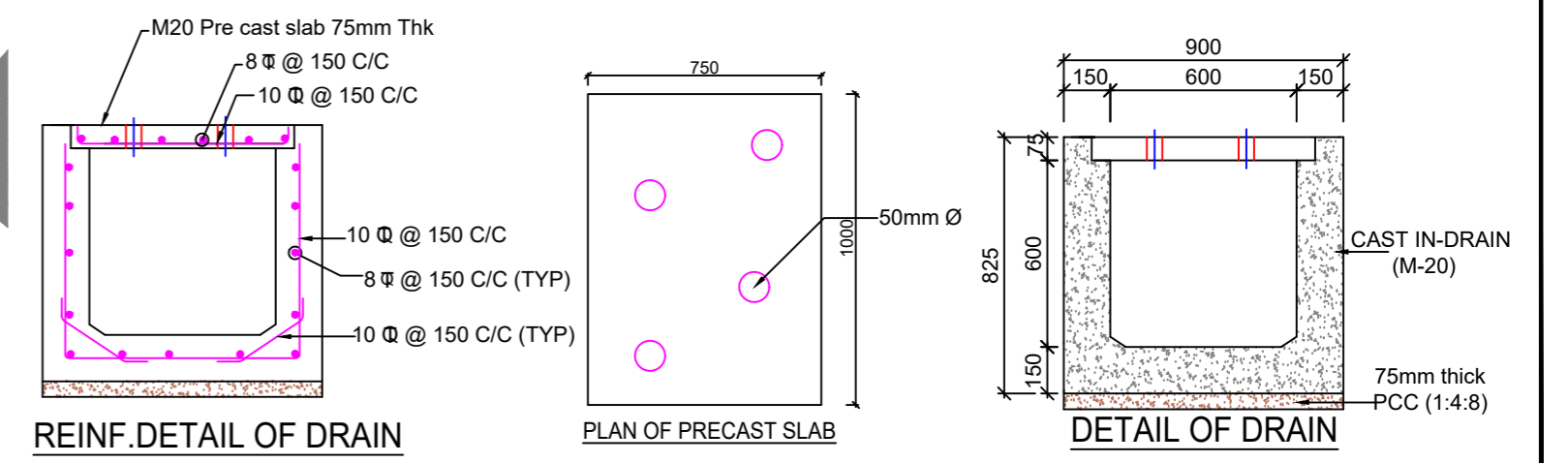
		CLIENT:  Step Forward to a Smart Neighbourhood SMART CITY PROPOSAL	PROJECT MANAGEMENT CONSULTANT:   IN JOINT VENTURE WITH <i>the infrastructure specialist</i>	PROJECT: CONSTRUCTION OF PLAY GROUND AT BOYS SCHOOL	APPROVED BY: A.S. CHECKED BY: M.R. DESIGNED BY: S.A. DRAWN BY: A.S.	TITLE : TENDER DRAWING TYPICAL SECTION FOR FOOTBALL, VOLLEYBALL, BASKETBALL, BADMINTON COURT & DRAIN DETAILS		
				STATUS	SCALE: A2 AS SHOWN A3	DATE: NOV. 2021	DRG. NO. AGICL-DSCL-CV-PR-004 SH. 1	REV. R1



TYPICAL SECTION DETAIL FOR WEIR



PLAN FOR CATCH PIT & SPILLWAY



REINF. DETAIL OF DRAIN

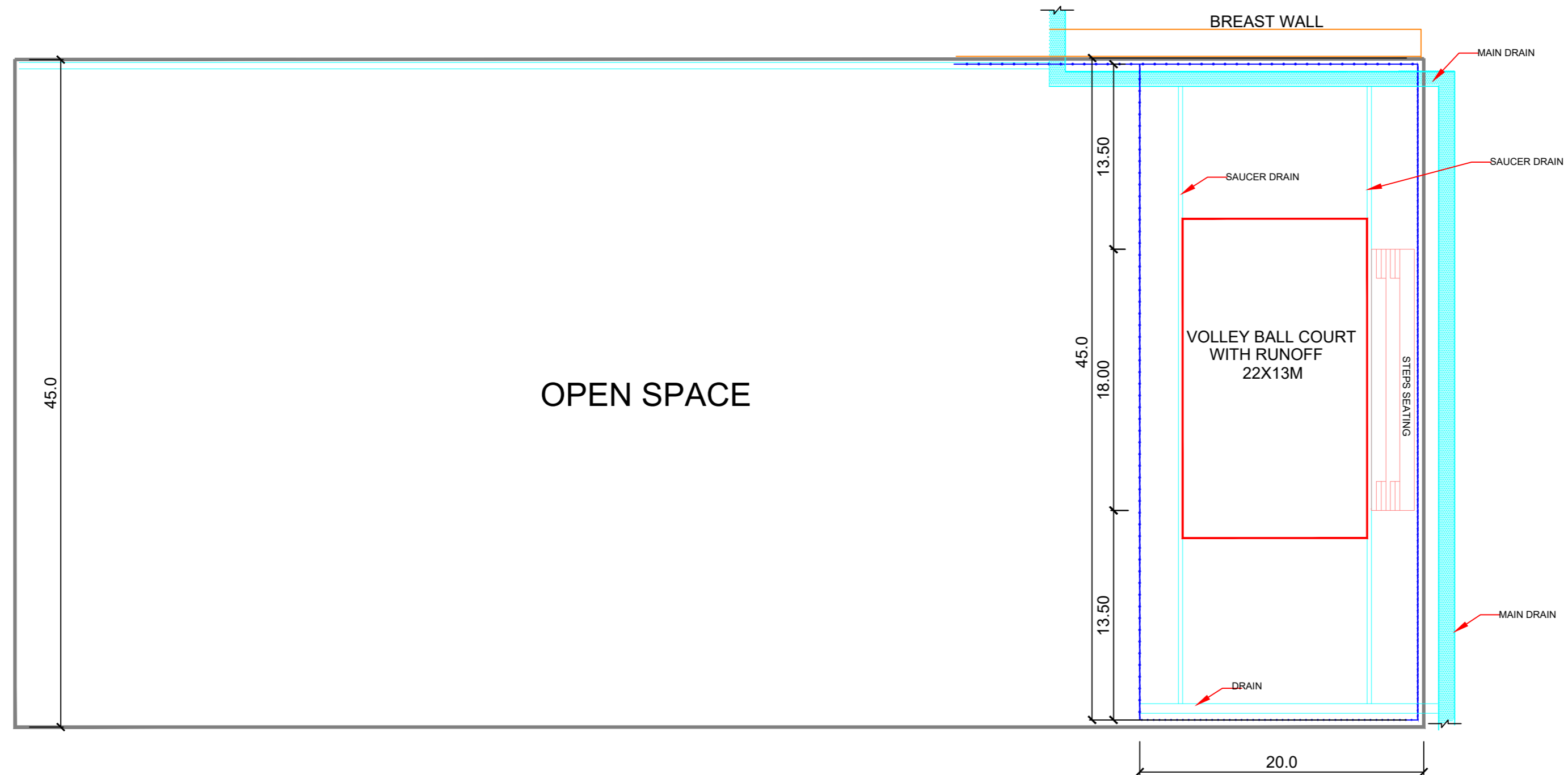
PLAN OF PRECAST SLAB

DETAIL OF DRAIN

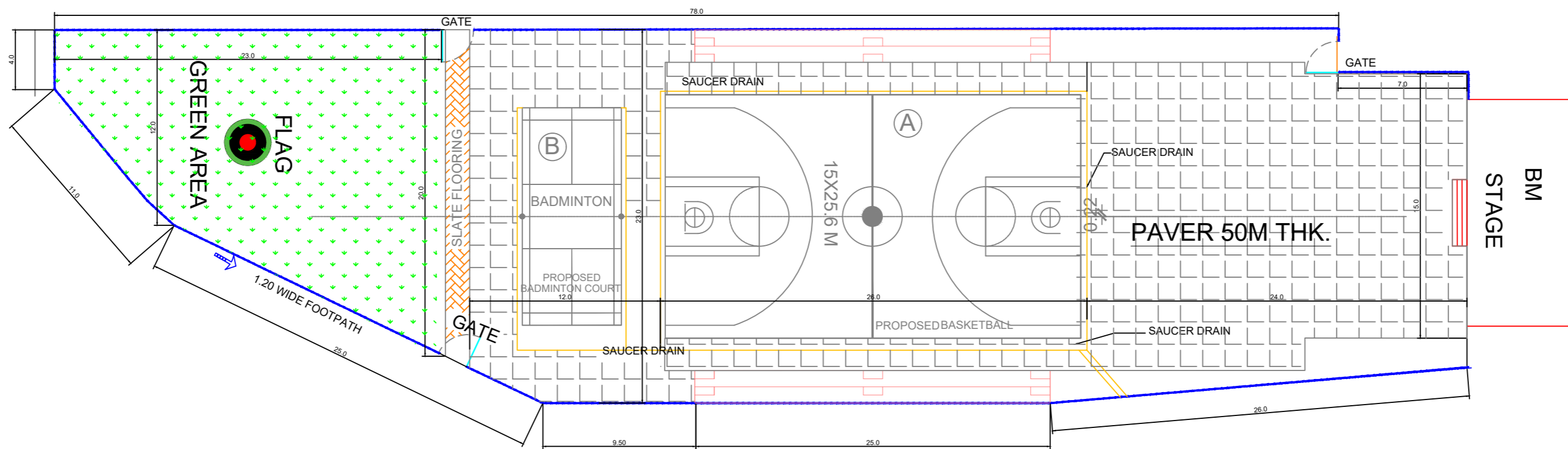
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	CLIENT:	PROJECT MANAGEMENT CONSULTANT:	PROJECT:	APPROVED BY:	A.S	TITLE :		
				CONSTRUCTION OF PLAY GROUND AT BOYS SCHOOL	CHECKED BY:		M.R	TENDER DRAWING LAYOUT OF DRAINAGE
				DESIGNED BY:	S.C/S.A			
				DRAWN BY:	A.S			
			STATUS	SCALE: A2 AS SHOWN	A3	DATE: NOV. 2021	DRG. NO. AGICL-DSCL-CV-PR-005 SH.1	REV. R1






DRAIN LAYOUT FOOTBALL & VOLLEYBALL COURT



DRAIN LAYOUT BASKETBALL & BADMINTON COURT
AVG WIDTH = 15.0M

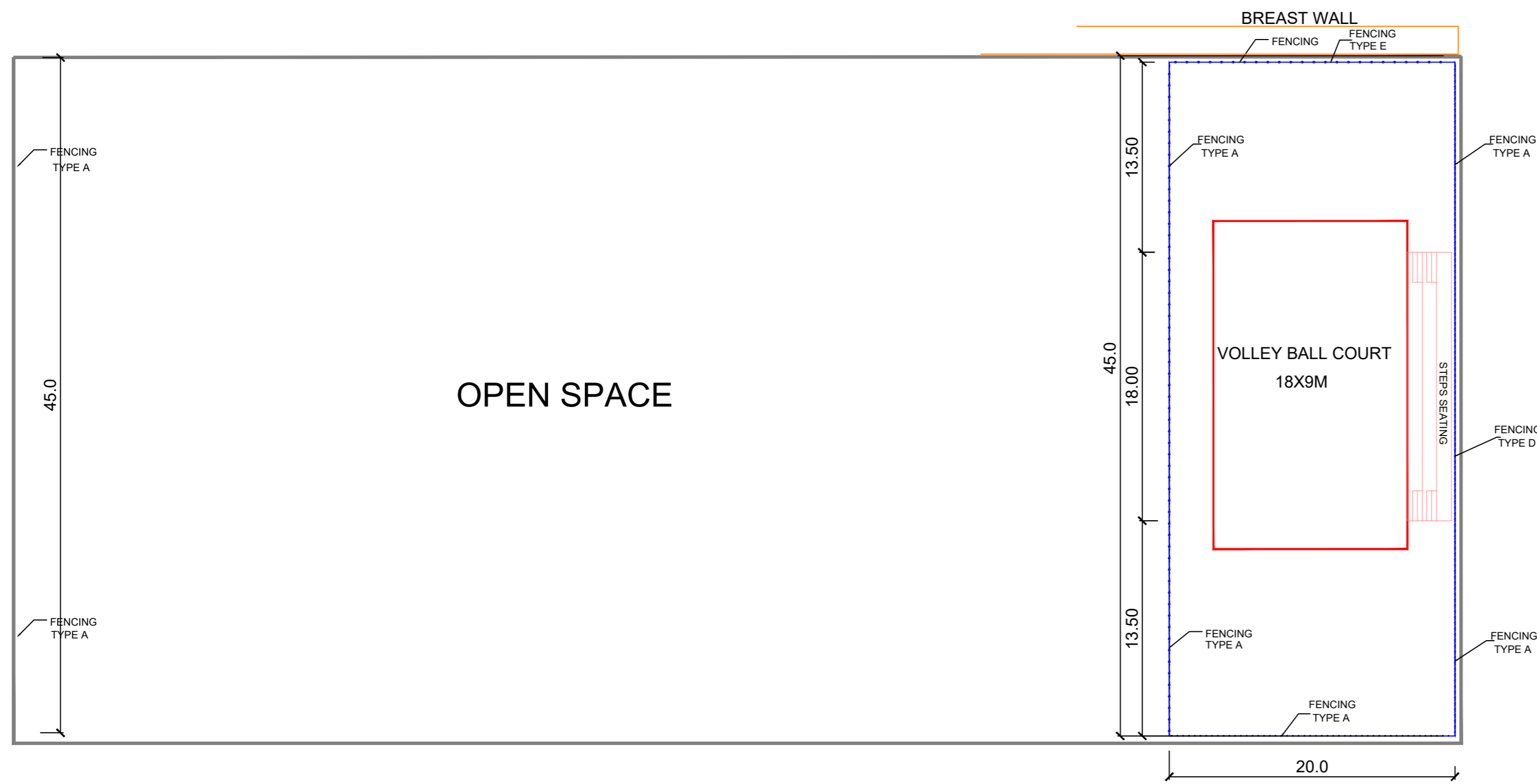
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			CLIENT:  Step Forward to a Smart Neighbourhood SMART CITY PROPOSAL	PROJECT MANAGEMENT CONSULTANT:  IN JOINT VENTURE WITH  the infrastructure specialist	PROJECT: CONSTRUCTION OF PLAY GROUND AT BOYS SCHOOL	APPROVED BY: A.S	TITLE : TENDER DRAWING DRAIN LAYOUT FOR VOLLEYBALL, BASKETBALL & BADMINTON COURT
						CHECKED BY: M.R	
						DESIGNED BY: S.C	
						DRAWN BY: A.S	
					STATUS: SCALE: A2 AS SHOWN A3 DATE: NOV. 2021	DRG. NO. AGICL-DSCL-CV-PR-006 SH.1	REV. R1

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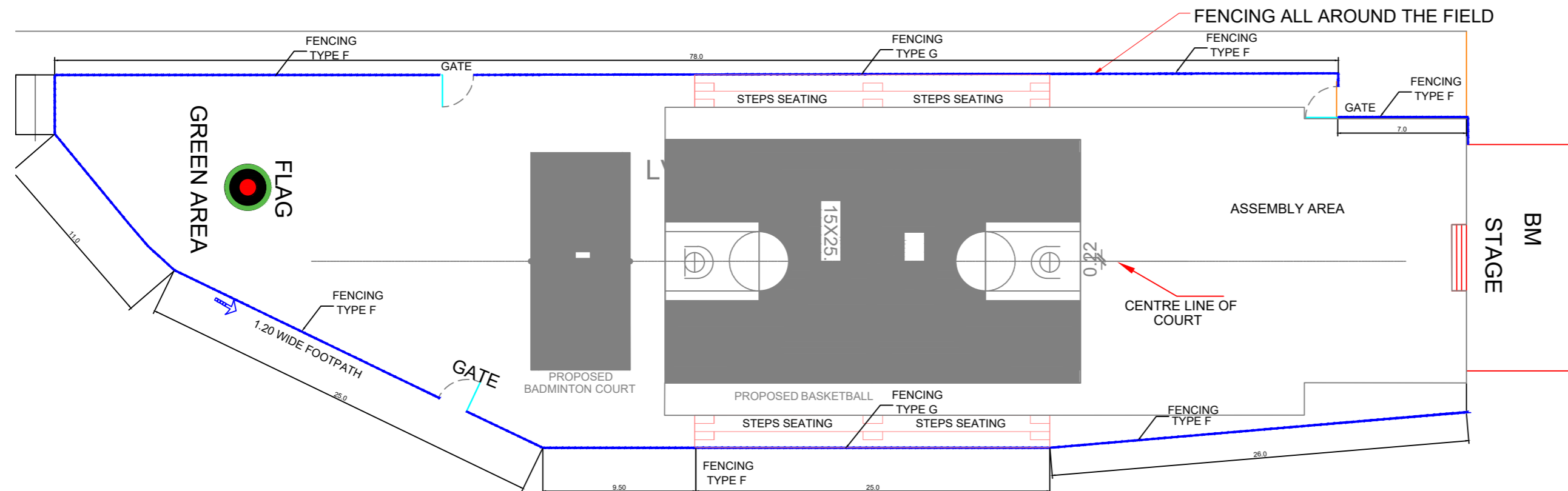
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CHAIN LINK FENCING LEGEND:-

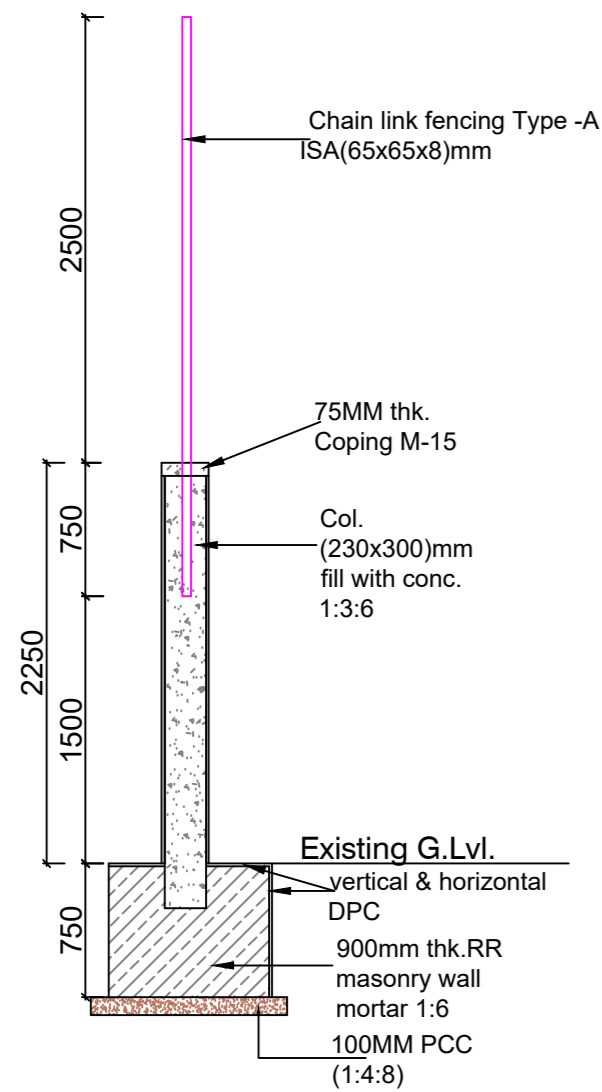
S.N.	TYPE ID.	TYPE OF FENCING	LENGTH
1	A	FENCING ON COMPOUND WALL	119.0 M
2	D	FENCING FOR VOLLEYBALL COURT ALONG WITH RR SEATING ARRANGEMENT	18.0 M
3	E	FENCING ON RR BREAST WALL	20.0 M
4	F	CHAIN LINK FENCING ON GROUND UPTO 2.50M	135.0 M
5	G	CHAIN LINK FENCING ON RR SEATING IN BASKET BALL COURT	50.0 M

FENCING LAYOUT FOOTBALL & VOLLEYBALL COURT

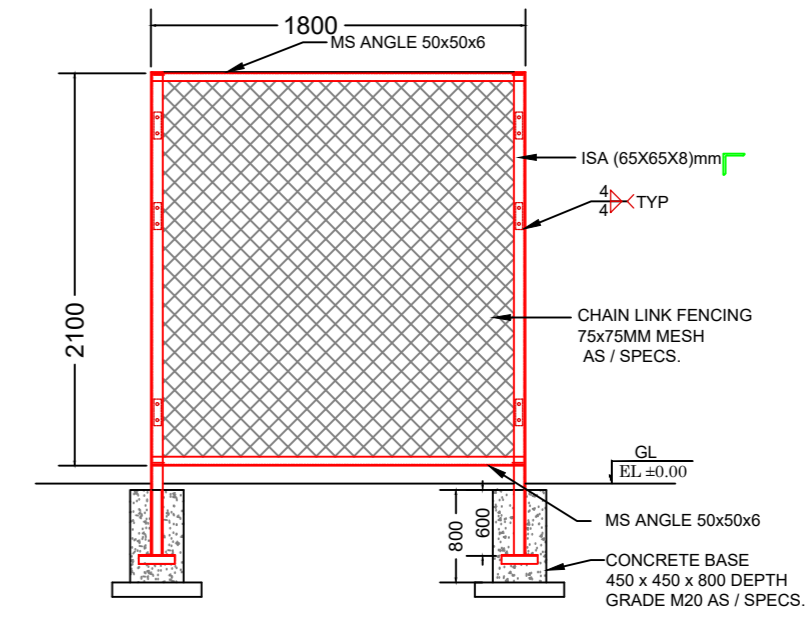
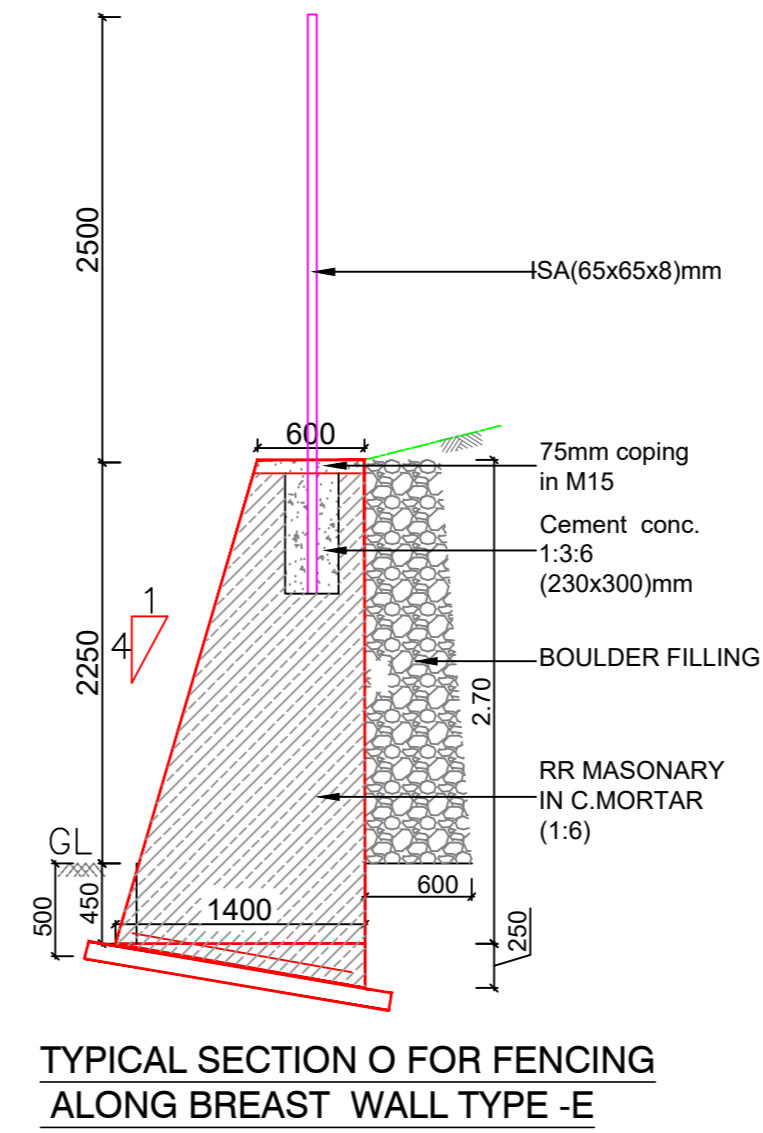
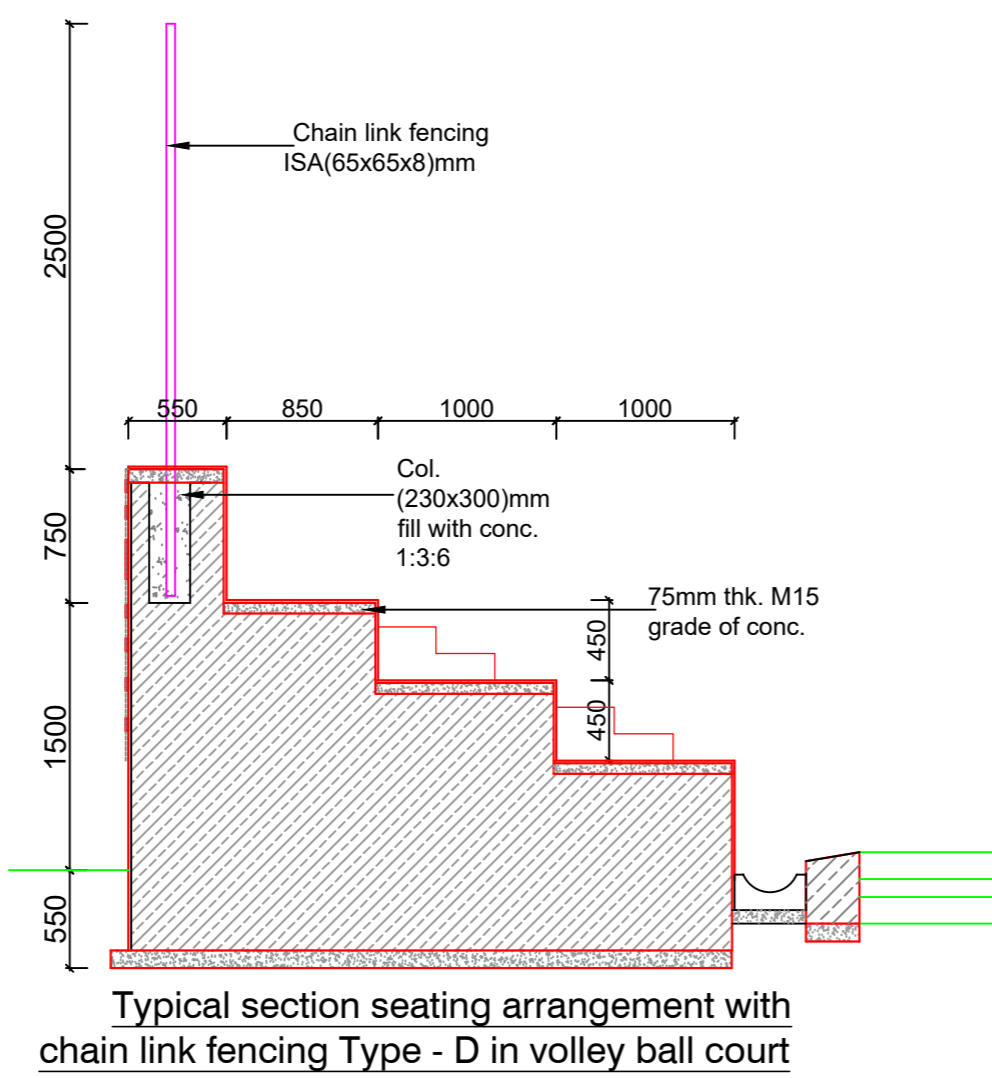


FENCING LAYOUT BASKETBALL & BADMINTON COURT

				<p>CLIENT:</p>  <p>Divine Dheramshala Step Forward to a Smart Neighbourhood SMART CITY PROPOSAL</p>	<p>PROJECT MANAGEMENT CONSULTANT:</p>  <p>ALP CONSULTING ENGINEERS</p> <p>IN JOINT VENTURE WITH  almondz the infrastructure specialist</p>	<p>PROJECT:</p> <p>CONSTRUCTION OF PLAY GROUND AT BOYS SCHOOL</p>	APPROVED BY: A.S	<p>TITLE :</p> <p>TENDER DRAWING CHAIN LINK FENCING LAYOUT</p>		
							CHECKED BY: S.A			
							DESIGNED BY: S.C			
							DRAWN BY: A.S			
						<p>STATUS:</p>	<p>SCALE: A2 AS SHOWN A3</p>	<p>DATE: NOV. 2021</p>	<p>DRG. NO. AGICL-DSCL-CV-PR-007 SH.1</p>	<p>REV. R1</p>

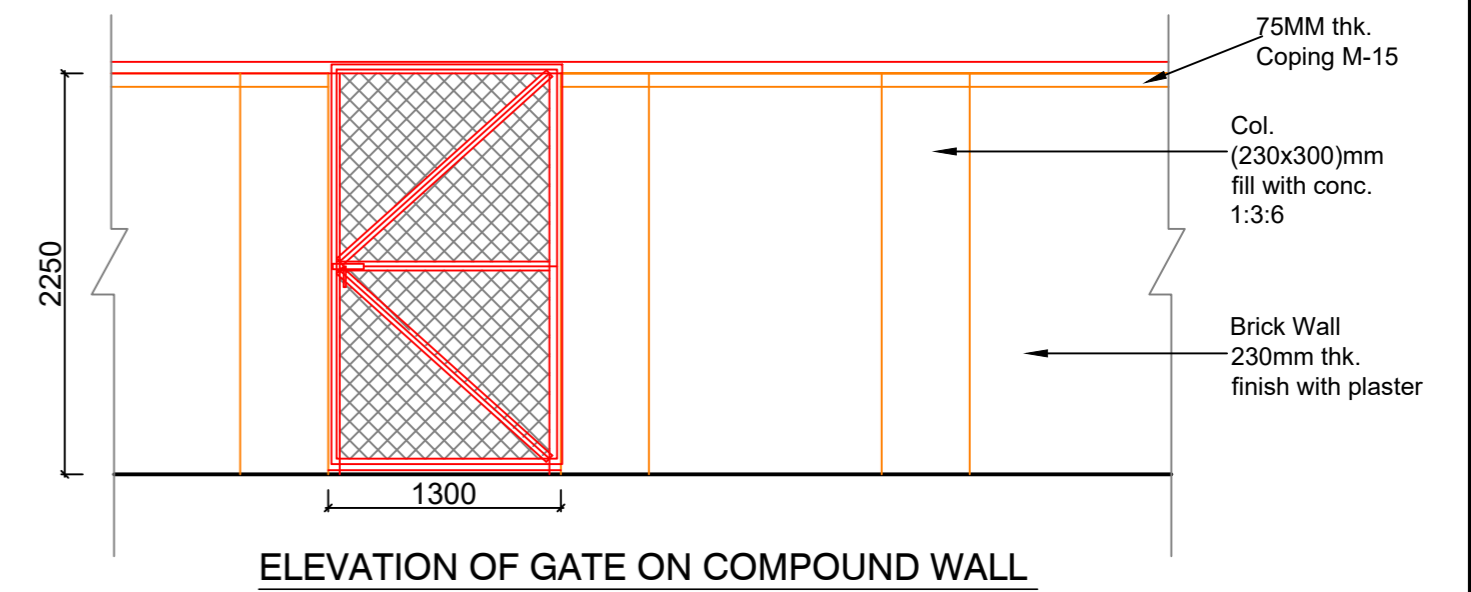
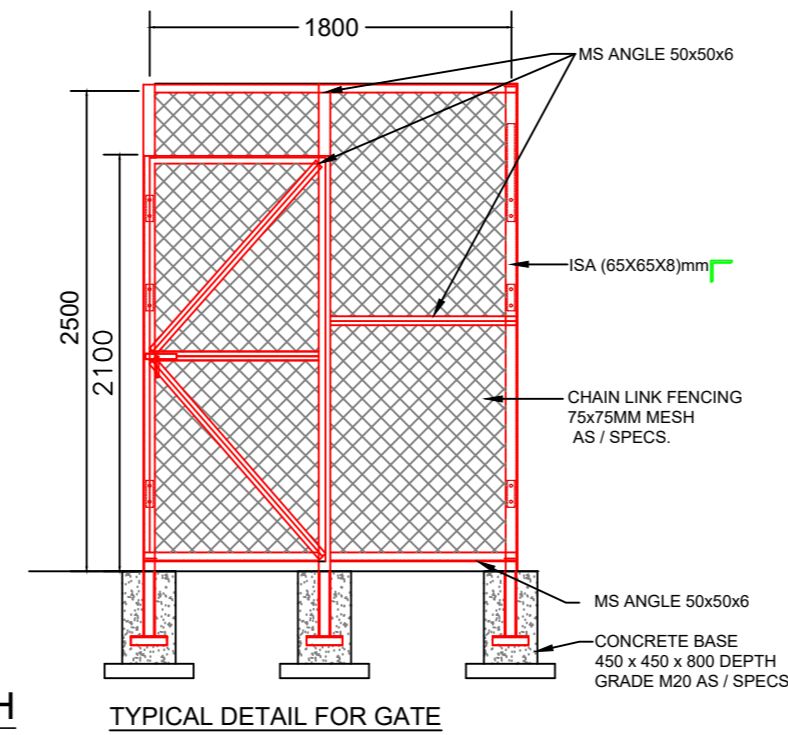
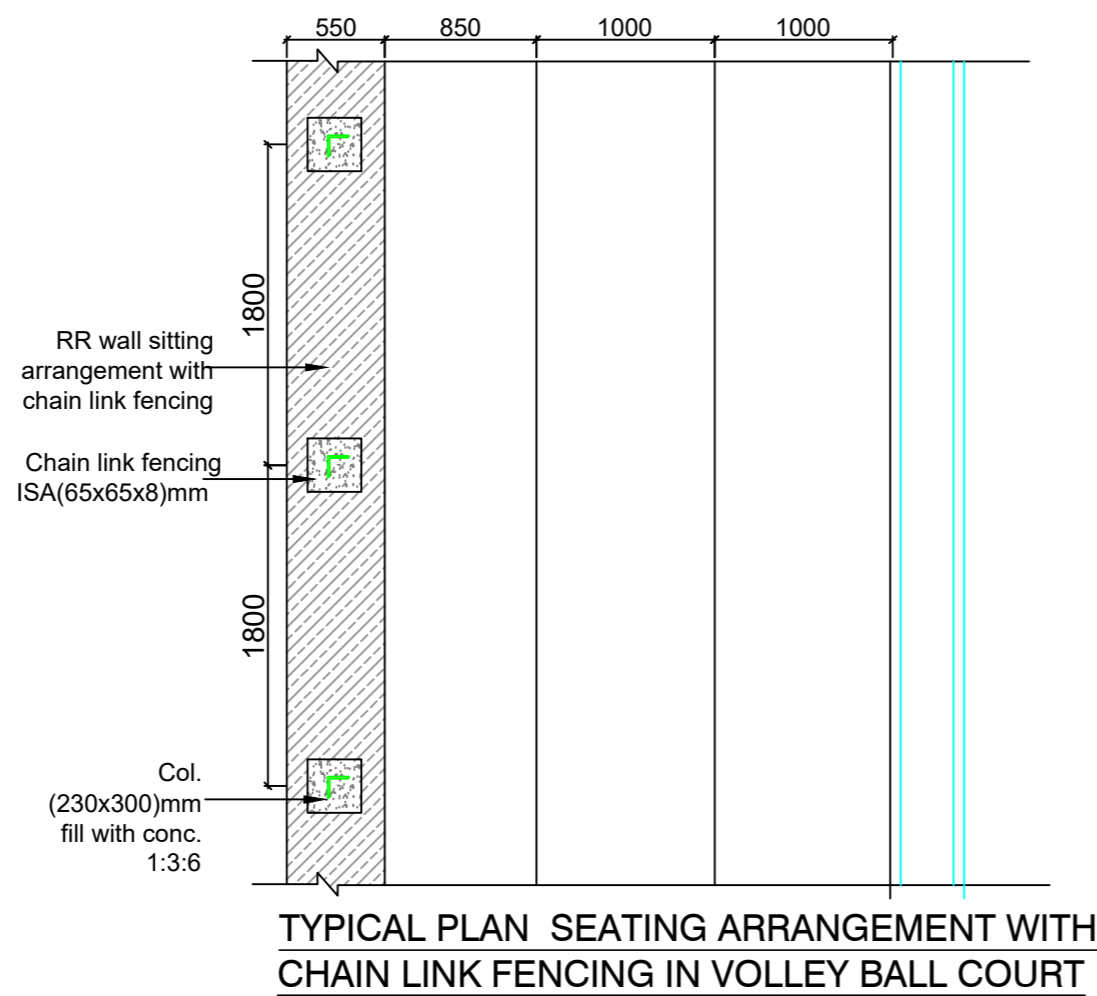
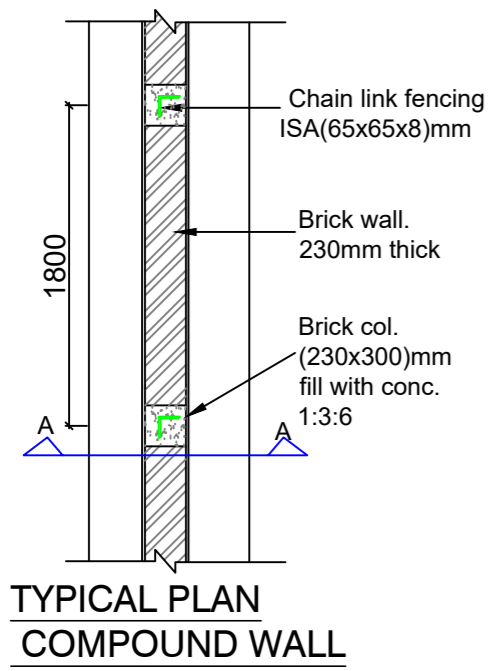


TYPICAL SECTION COMPOUND WALL

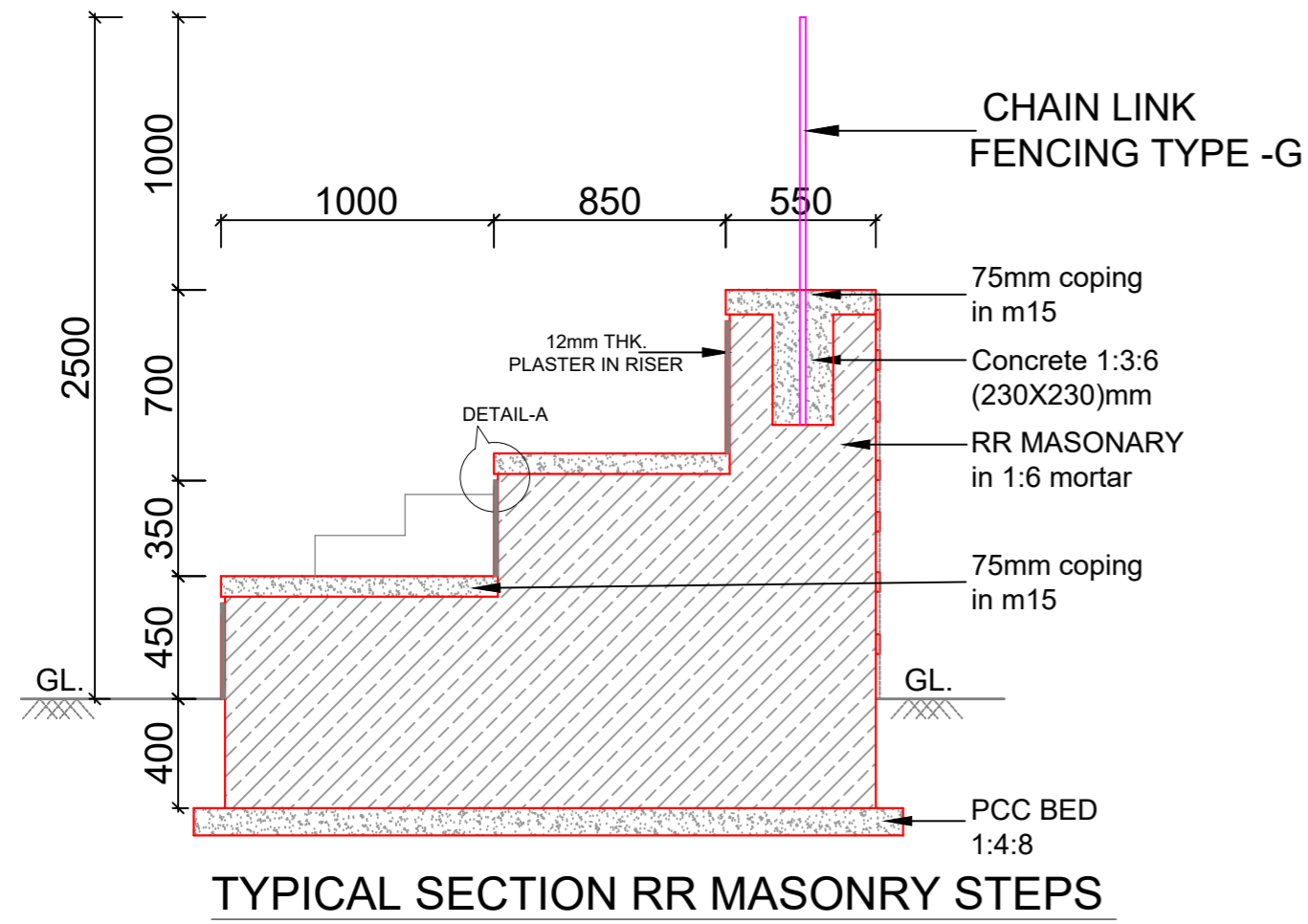


TYPICAL SECTION FOR FENCING TYPE - F

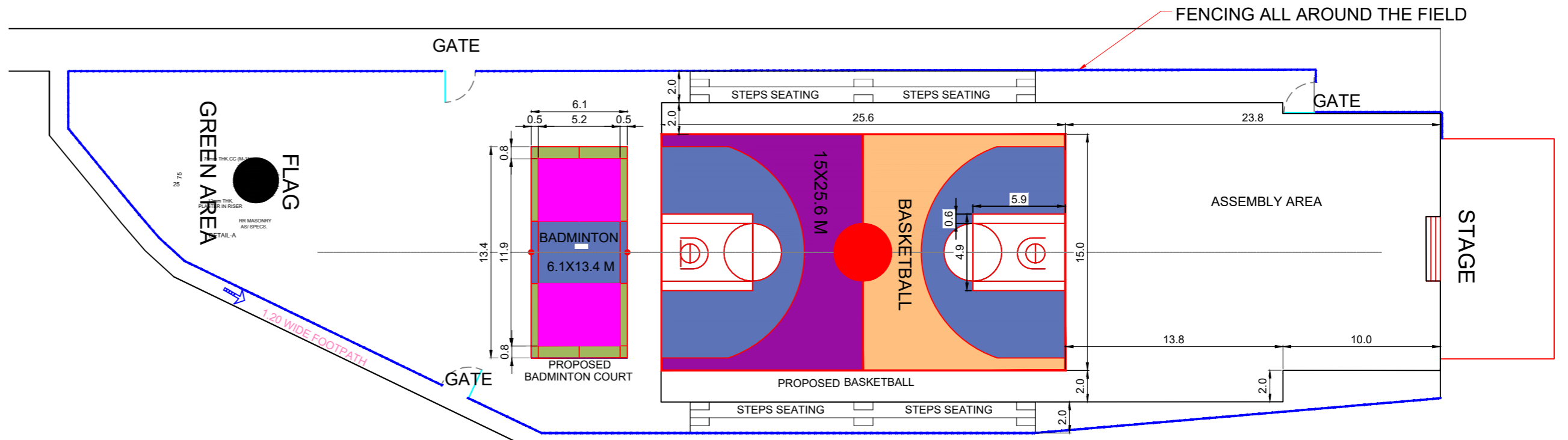
CHAIN LINK FENCING LEGEND:-			
S.N.	TYPE ID.	TYPE OF FENCING	LENGTH
1	A	FENCING ON COMPOUND WALL	119.0 M
2	D	FENCING FOR VOLLEYBALL COURT ALONG WITH RR SEATING ARRANGEMENT	18.0 M
3	E	FENCING ON RR BREAST WALL	20.0 M
4	F	CHAIN LINK FENCING ON GROUND UPTO 2.50M	135.0 M
5	G	CHAIN LINK FENCING ON RR SEATING IN BASKET BALL COURT	50.0 M



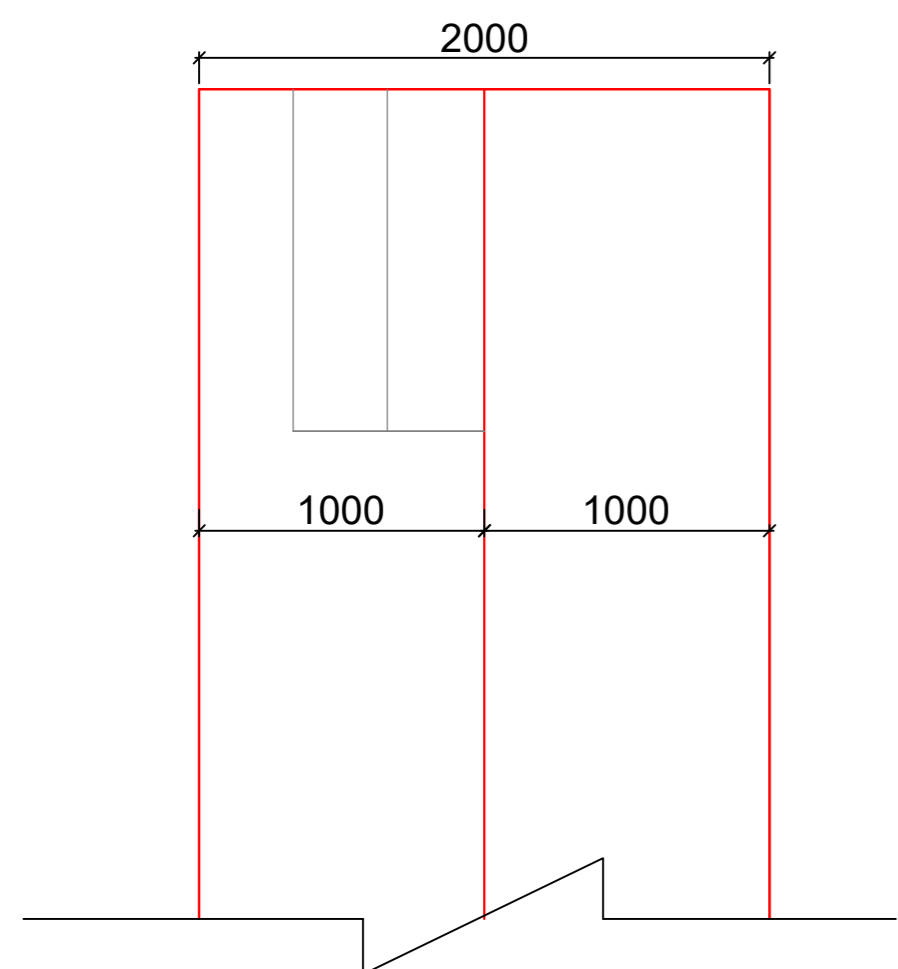
<p>CLIENT:</p>  <p>Step Forward to a Smart Neighbourhood SMART CITY PROPOSAL</p>		<p>PROJECT MANAGEMENT CONSULTANT:</p>  <p>CONSULTING ENGINEERS</p> <p>IN JOINT VENTURE WITH</p>  <p>the infrastructure specialist</p>		<p>PROJECT:</p> <p>CONSTRUCTION OF PLAY GROUND AT BOYS SCHOOL</p>		<p>APPROVED BY: A.S</p> <p>CHECKED BY: S.A</p> <p>DESIGNED BY: S.C</p> <p>DRAWN BY: A.S</p>		<p>TITLE :</p> <p>TENDER DRAWING</p> <p>TYPICAL DETAIL CHAIN LINK FENCING & GATE</p>	
<p>STATUS</p>		<p>SCALE: A2 A3 AS SHOWN</p>		<p>DATE: NOV. 2021</p>		<p>DRG. NO. AGICL-DSCL-CV-PR-008 SH.1</p>		<p>REV. R1</p>	



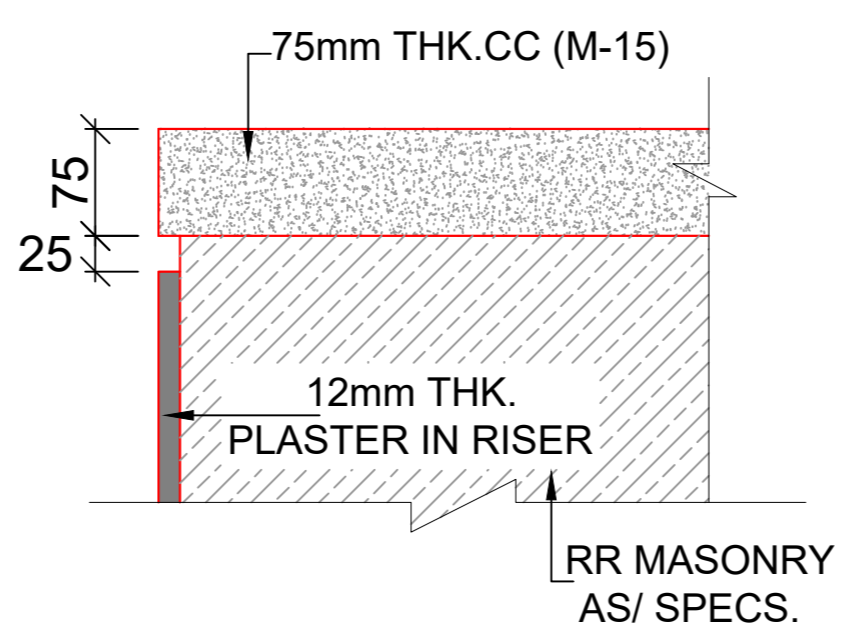
TYPICAL SECTION RR MASONRY STEPS



LAYOUT OF BASKETBALL & BADMINTON COURT
AVG WIDTH =15.0M



PLAN FOR STEPS

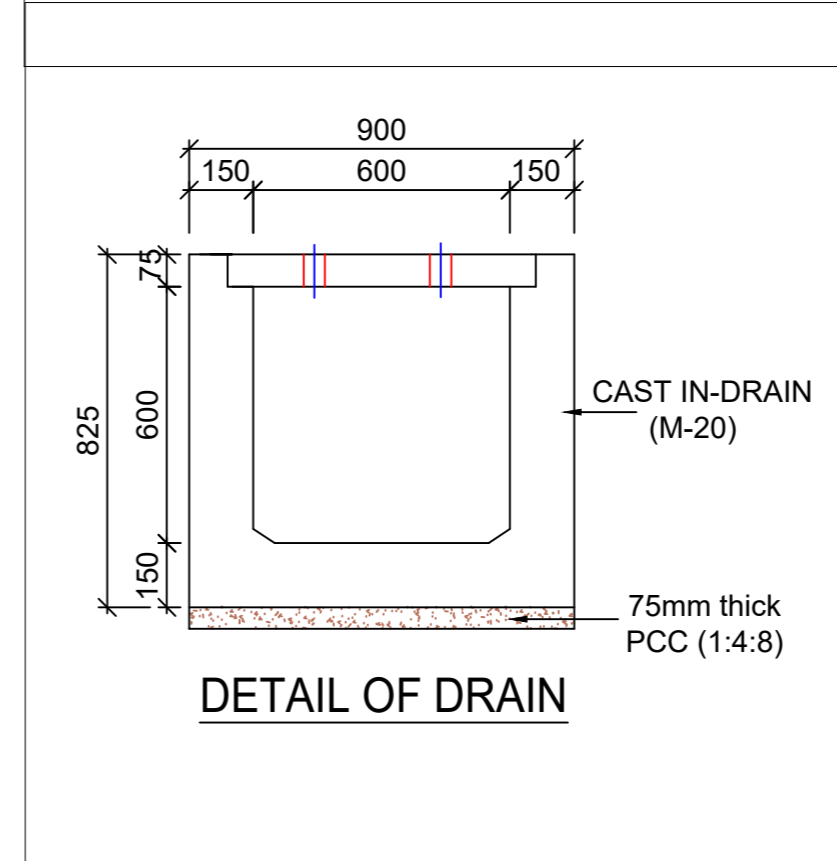
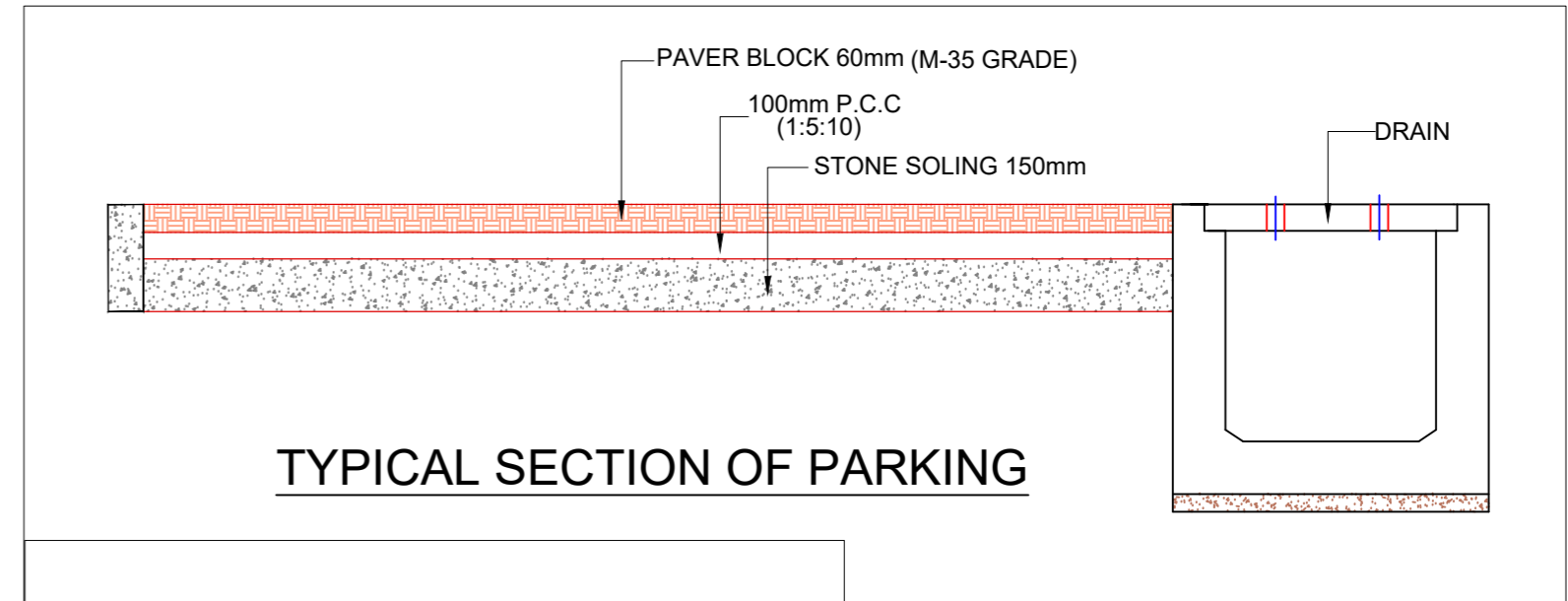
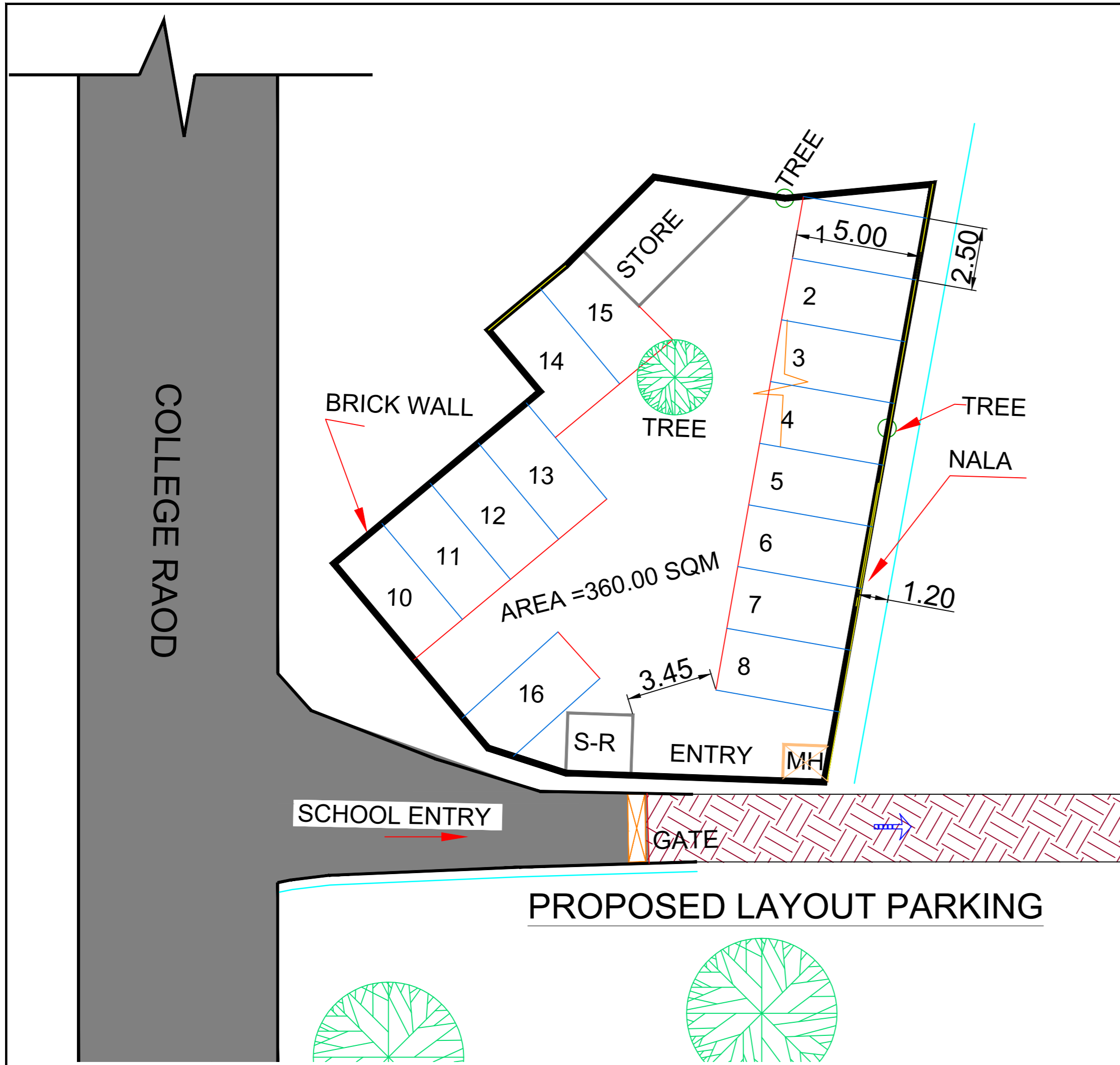


DETAIL-A

PRODUCED BY AN AUTODESK STUDENT VERSION

PRODUCED BY AN AUTODESK STUDENT VERSION

		CLIENT:  Step Forward to a Smart Neighbourhood SMART CITY PROPOSAL	PROJECT MANAGEMENT CONSULTANT:  IN JOINT VENTURE WITH  the infrastructure specialist	PROJECT: CONSTRUCTION OF PLAY GROUND AT BOYS SCHOOL	APPROVED BY: A.S CHECKED BY: M.R DESIGNED BY: S.C DRAWN BY: A.S	TITLE : TENDER DRAWING RR MASONRY STEPS FOR BASKET BALL
				STATUS:	SCALE: A2 AS SHOWN A3 DATE: NOV. 2021	DRG. NO. AGICL-DSCL-CV-PR-009 SH.1 REV. R1

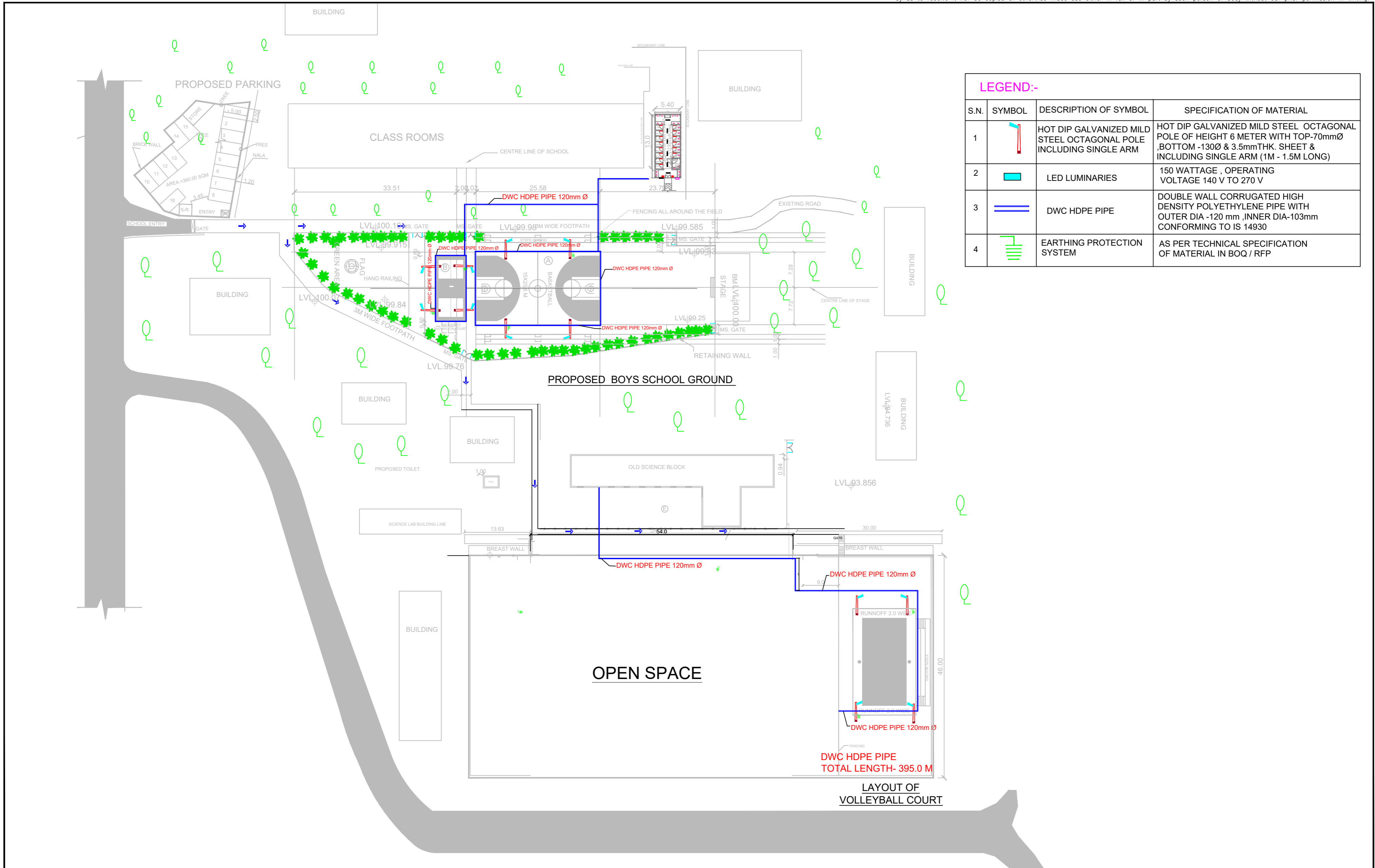


PRODUCED BY AN AUTODESK STUDENT VERSION

PRODUCED BY AN AUTODESK STUDENT VERSION

		CLIENT: <p>Divine Dheramshala Step Forward to a Smart Neighbourhood SMART CITY PROPOSAL</p>	PROJECT MANAGEMENT CONSULTANT: <p>ILF CONSULTING ENGINEERS</p> <p>ALMONDZ IN JOINT VENTURE WITH the infrastructure specialist</p>	PROJECT: CONSTRUCTION OF PLAY GROUND AT BOYS SCHOOL	APPROVED BY: A.S. CHECKED BY: M.R. DESIGNED BY: S.C. DRAWN BY: A.S.	TITLE : TENDER DRAWING LAYOUT OF PARKING & TYPICAL SECTION DETAIL
				STATUS:	SCALE: A2 AS SHOWN A3	DATE: NOV. 2021
					DRG. NO. AGICL-DSCL-CV-PR-010	REV. R1

ELECTRICAL DRAWINGS



LEGEND:-			
S.N.	SYMBOL	DESCRIPTION OF SYMBOL	SPECIFICATION OF MATERIAL
1		HOT DIP GALVANIZED MILD STEEL OCTAGONAL POLE OF HEIGHT 6 METER INCLUDING SINGLE ARM	HOT DIP GALVANIZED MILD STEEL OCTAGONAL POLE OF HEIGHT 6 METER WITH TOP-70mmØ .BOTTOM -130Ø & 3.5mmTHK. SHEET & INCLUDING SINGLE ARM (1M - 1.5M LONG)
2		LED LUMINARIES	150 WATTAGE , OPERATING VOLTAGE 140 V TO 270 V
3		DWC HDPE PIPE	DOUBLE WALL CORRUGATED HIGH DENSITY POLYETHYLENE PIPE WITH OUTER DIA -120 mm , INNER DIA-103mm CONFORMING TO IS 14930
4		EARTHING PROTECTION SYSTEM	AS PER TECHNICAL SPECIFICATION OF MATERIAL IN BOQ / RFP

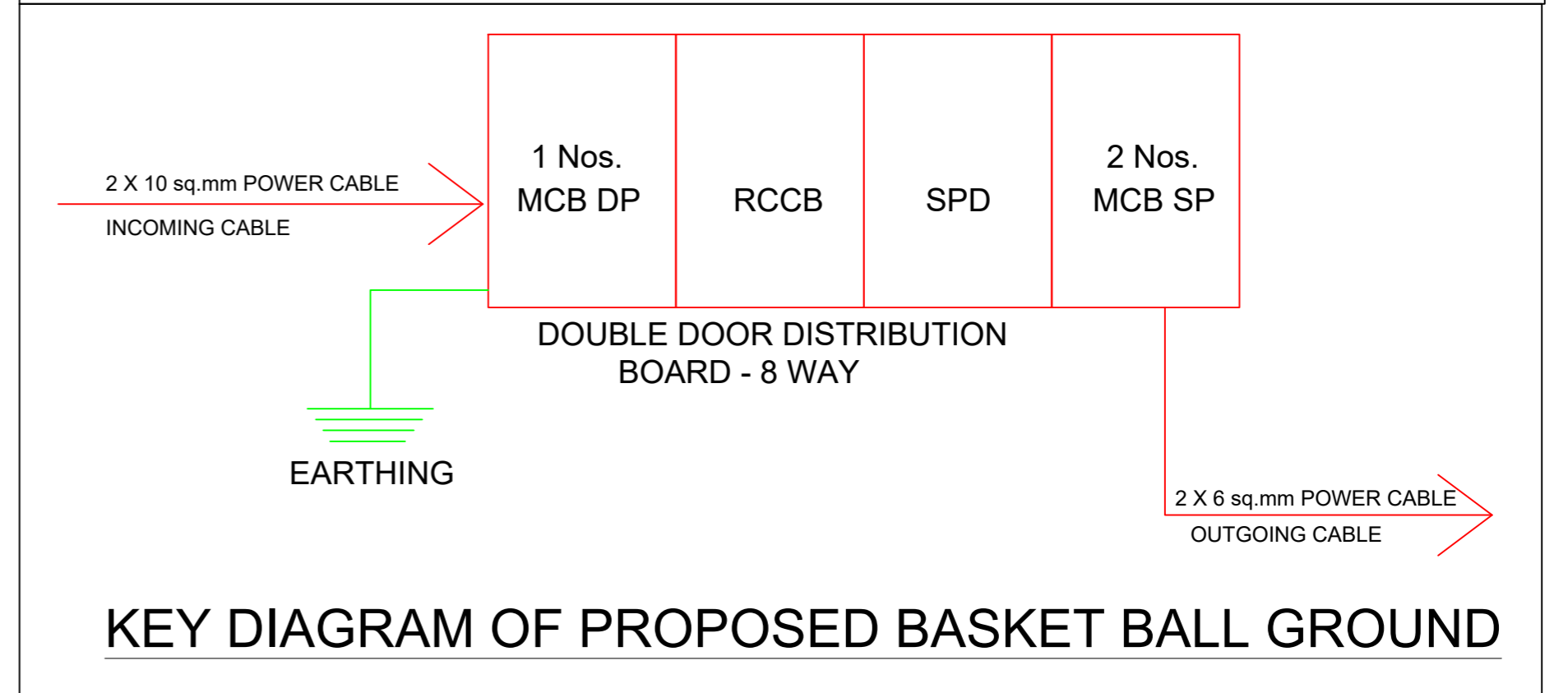
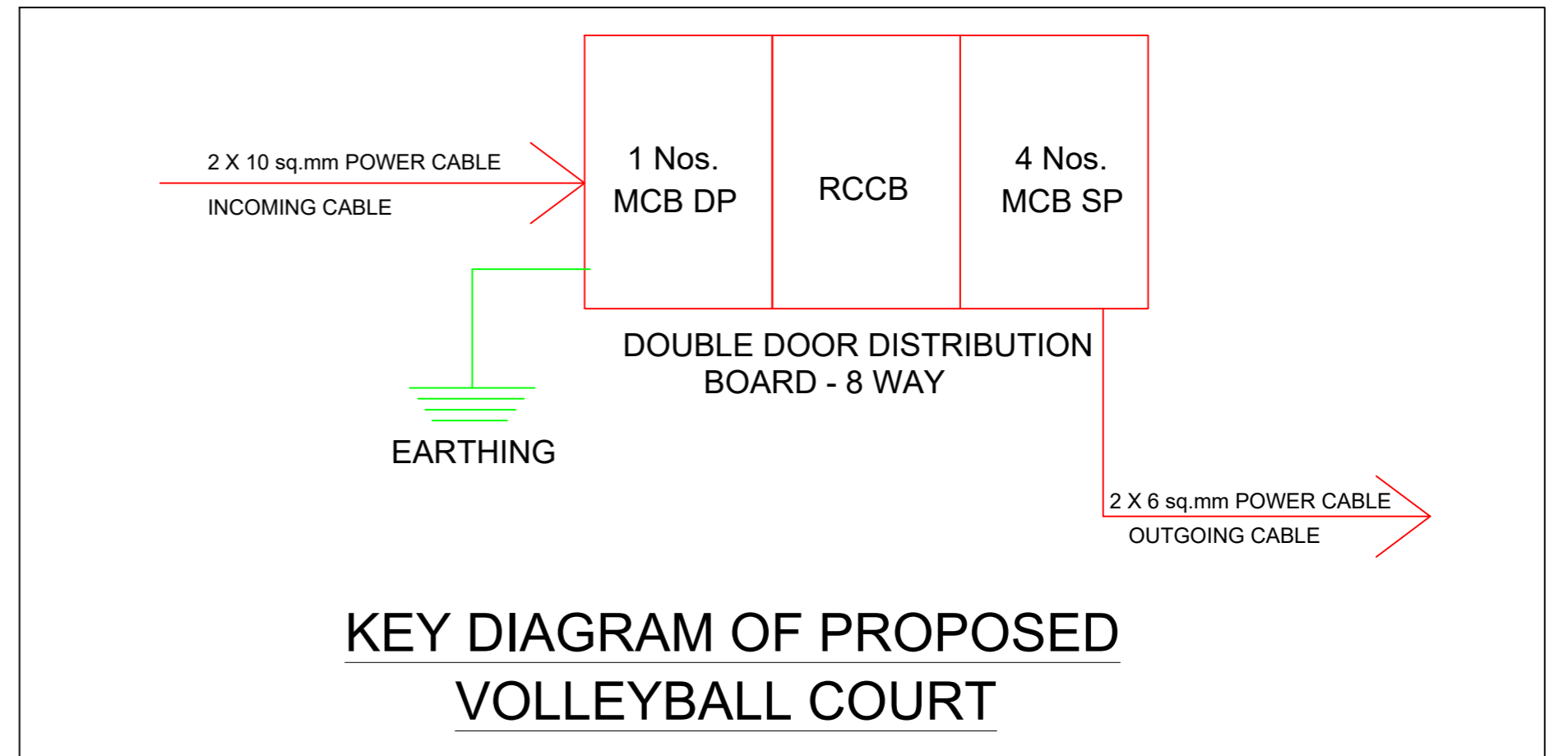
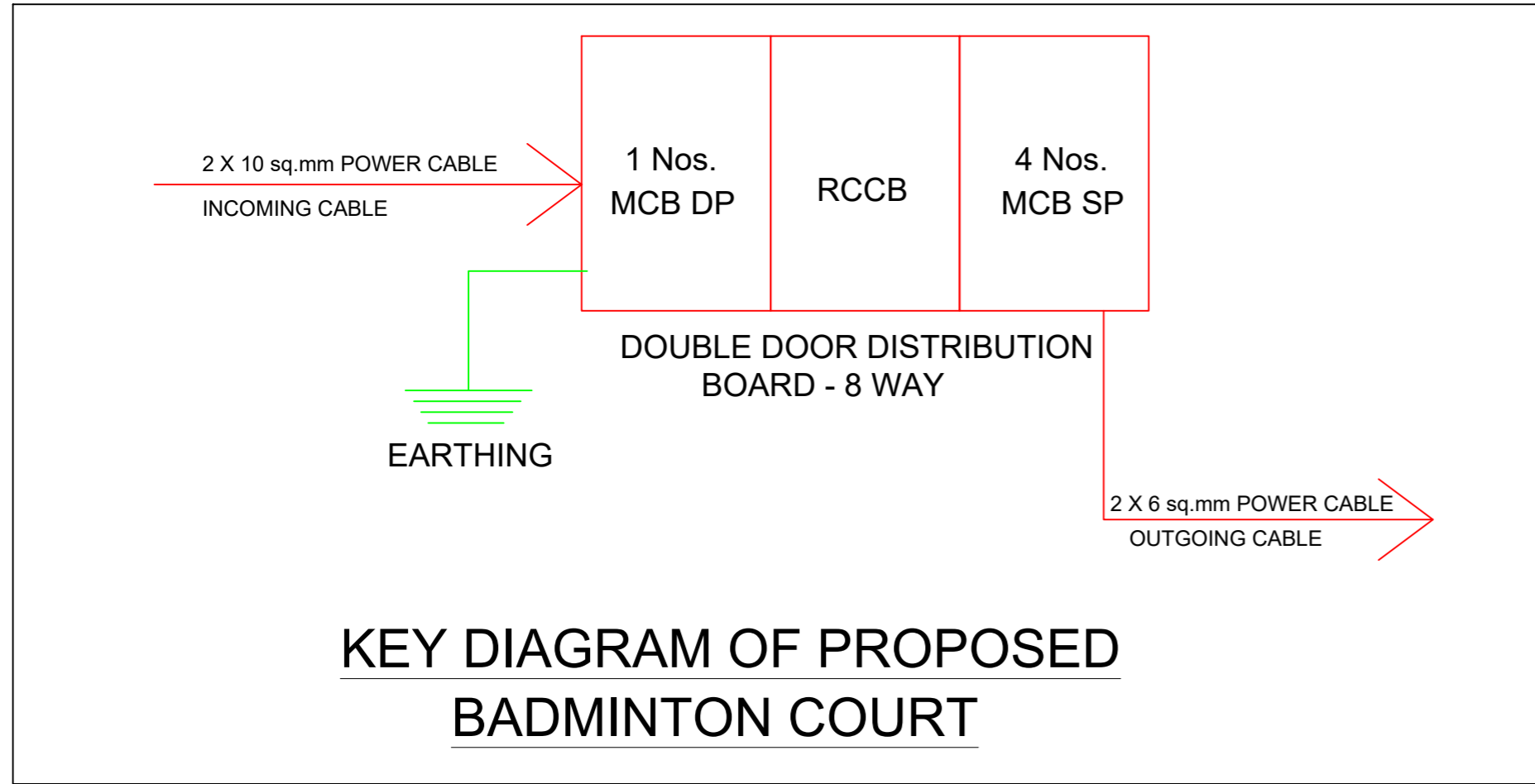
PRODUCED BY AN AUTODESK STUDENT VERSION




PRODUCED BY AN AUTODESK STUDENT VERSION

	CLIENT:	CORE AREA:	PROJECT MANAGEMENT CONSULTANT:	PROJECT:	APPROVED BY:	A.S	TITLE :	TENDER DRAWINGS
				CONSTRUCTION OF PLAY GROUND AT BOYS SCHOOL	CHECKED BY:	P.G		ELECTRICAL LAYOUT FOR PLAY GROUND AT BOYS SCHOOL
					DESIGNED BY:	P.G		
					DRAWN BY:	A.S		
				STATUS	SCALE: A2 AS SHOWN	A3	DATE: SEP. 2021	DRG. NO. AGICL-DSCL-EL-PR-001 SH.1
								REV. R1

PRODUCED BY AN AUTODESK STUDENT VERSION

PRODUCED BY AN AUTODESK STUDENT VERSION



	CLIENT:	CORE AREA:	PROJECT MANAGEMENT CONSULTANT:	PROJECT:	APPROVED BY: A.S	TITLE : TENDER DRAWINGS KEY DIAGRAM LAYOUT		
			 IN JOINT VENTURE WITH 	CONSTRUCTION OF PLAY GROUND AT BOYS SCHOOL	CHECKED BY: P.G			
					DESIGNED BY: P.G			
					DRAWN BY: A.S			
				STATUS:	SCALE: A2 AS SHOWN	DATE: SEP. 2021	DRG. NO. AGICL-DSCL-EL-PR-002 SH.1	REV. R1