3. Development of Sports Infrastructure NIPER, S.A.S. Nagar

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NOTICE INVITING e-TENDERS

The National Institute of Pharmaceutical Education & Research (NIPER), Sector-67, S.A.S. Nagar-160062 invites item rate online bids on behalf of the Director NIPER, S.A.S. Nagar from agencies enlisted with CPWD, State PWD, MES and Railway dealing in similar type of work on two bid system (Eligibility Bid & Financial Bid) for the following work :-

NIT No.: T4/2020, Name of Work: Development of Sports Infrastructure NIPER, S.A.S. Nagar, Estimated Cost: Rs. 46.06 Lakh, Earnest Money : Rs. 92,120/-, Period of Completion: Four months, Last date and time of submission of bid: 06.08.2020 upto 5:00 PM, Last date & time for submission of Original EMD: 06.08.2020 upto 5:00 PM, Date and time of opening of Eligibility bid: 06.08.2020 at 5:00 PM, Date and time of opening of Financial bid: Define Later

The original EMD as scanned & uploaded shall be deposited physically by all the intending bidders in Tender Box held in Purchase Section, NIPER, S.A.S. Nagar as per above schedule failing which the bid shall be treated as invalid.

The tender forms and other details can be obtained from the website: http://tenderwizard.com/niper and official website of the NIPER, S.A.S. Nagar at http://niper.gov.in. Press notice is also available on NIPER website. The contractors are requested to get their firm registered on the website http://tenderwizard.com/niper, for participating in e-tendering process.
CHECK LIST FOR CONTRACTORS FOR SUBMISSION OF TENDERS ONLINE:

1. THE CONTRACTOR MUST UPLOAD THE NECESSARY DOCUMENTS AS MENTIONED IN LIST OF DOCUMENTS TO BE SCANNED AND UPLOADED WITHIN THE PERIOD OF BID SUBMISSION AT PAGE 8 OF BID DOCUMENTS.

2. IF ANY DISCREPANCY IS NOTICED BETWEEN UPLOADED EMD AT THE TIME OF SUBMISSION OF BID AND ORIGINAL EMD SUBMITTED PHYSICALLY BY THE BIDDERS IN THE OFFICE OF BID OPENING AUTHORITY, THE BID SUBMITTED SHALL BECOME INVALID.

3. TENDER TO BE WITNESSED AT SPECIFIED PAGE OF TENDERED DOCUMENTS AT THE TIME OF DRAWING AGREEMENT WITH THE SUCCESSFUL BIDDER

4. THE TENDER / TENDERS CONTAINING CONDITIONS CONTRARY TO THOSE SPECIFIED IN THIS DOCUMENT SHALL BE SUMMARILY REJECTED.

5. THE INTENDING BIDDER SHALL QUOTE THE ITEM RATES IN FIGURE ONLY. THE ITEM RATES IN WORDS & AMOUNT IS GENERATED AUTOMATICALLY. THEREFORE, THE RATE QUOTED BY THE BIDDER IN FIGURES IS TO BE TAKEN AS CORRECT.

6. THE CONTRACTOR(S) SHALL QUOTE THE ITEM RATES KEEPING IN MIND, GENERAL CONDITIONS OF CONTRACT, ADDITIONAL CONDITION OF CONTRACT, AND SPECIAL CONDITIONS OF CONTRACT ETC.

7. THE BIDDER CAN UPLOAD HIS BID ONLY AFTER SUBMISSION OF E-TENDER PROCESSING FEE AS MENTIONED AT PAGE 5 OF THE BID DOCUMENTS.

8. ONCE THE BID UPLOADED BY THE BIDDER IS WITHDRAWN, HE WILL NOT BE ALLOWED TO RESUBMIT HIS BID, HOWEVER, HE CAN EDIT HIS BID ANY NUMBER OF TIMES BUT BEFORE LAST DATE & TIME OF SUBMISSION OF BID.
1. The item rates bids are invited on behalf of the Director NIPER, S.A.S. Nagar from the Specialized agencies dealing in similar type for the work of "Development of Sports Infrastructure NIPER, S.A.S. Nagar".

1.1 The work is estimated to cost Rs. 46.06 Lakh. This estimate, however, is given merely as a rough guide.

1.2 Contractors who fulfill the following requirements shall be eligible to apply. Joint ventures are not accepted

1.2.1 Intending bidders is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having:-

Average annual financial turnover during the last 3 years ending 31st March of previous financial year should be at least Rs. 23.03 lakhs.

Should not have incurred loss in more than 2 years during the last 3 years ending 31st March of previous financial year.

Satisfactorily completed three similar jobs each costing not less than Rs 18.42 Lakh OR two similar jobs each costing not less than Rs. 27.64 Lakh OR one similar jobs costing not less than Rs. 36.85 Lakh in last 7 years ending previous day of last date of submission of bids. (Similar Works shall mean "Construction of Synthetic Sports Grounds only")

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

Note:- The defect liability period shall be 5 years from the final date of completion of work and the Security deducted from the running bill will be refunded after expiry of defect liability period. Any defects/defective material noted during this period shall be rectified/ replaced by the Agency at its own cost to the entire satisfaction of the Engineer-in-Charge.

1.2.2 To become eligible, the bidders shall have to furnish an affidavit as under:-

I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for bidding in NIPER, S.A.S. Nagar in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee. (Scanned copy to be uploaded at the time of submission of bid)

1.2.3 The bidders should have Valid PAN No.
1.2.4 The bidders should have Certificate of Registration for GST.
1.2.5 The Agencies should have authorized dealership from manufacturers approved by ITF.
1.2.6 The Agencies should have submitted an undertaking that the Agency should have use synthetic surface material imported from countries USA, Australia, European.
1.2.7 The Agencies should have documentary proof of address having their office/sub office in tricity (Chandigarh/Mohali/Panchkula).
1.2.8 It is presumed that all the bidders who have submitted the bid have gone through the entire bid documents including integrity pact and that all the terms & conditions are acceptable to them.
1.2.9 If any agency/contractor has more than 2 (two) projects pending for more than 1 (one) year after schedule date of completion or has any 1 (one) project pending for more than 2 (two) years after schedule date of completion in NIPER, S.A.S. Nagar, he is not eligible for tendering.

2. Agreement shall be drawn with the successful bidders on General Conditions of Contract which is available with the concerned office (Engineer Department) and official website of the Institute [http://niper/gov.in](http://niper/gov.in), and the bidders shall quote his item rates as per various terms and conditions of the said form subject to the exclusions / modifications attached at along with amendments uploaded on the official website of the Institute which will form part of the agreement.

3. The time allowed for carrying out the work will be **Four months** from the date of start as defined in Schedule-F or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.

4. (i) The site for the work is available

(ii) The architectural and structural drawing shall be made available in phased manner as per requirement of the same as per programme of completion submitted by contractor of the award of work.

5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except General Conditions of Contract Form can be seen on website [http://tenderwizard.com/niper](http://tenderwizard.com/niper) and official website of the NIPER, S.A.S. Nagar at [http://niper/gov.in](http://niper/gov.in) or in Engg Office, NIPER, S.A.S. Nagar free of cost.

6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.

7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.

8. When bids are invited in three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid.

9. Earnest Money in the form of Demand Draft or Pay order or Banker's Cheque or Deposit at Call Receipt or Fixed Deposit Receipt (drawn in favour of Director, NIPER, S.A.S. Nagar) shall be scanned and uploaded to the e-Tendering website within the period of bid submission.

A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs. 20 lac, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any scheduled bank having validity for Four months or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

**The original EMD as scanned & uploaded shall be deposited physically by all the intending bidders in Tender Box held in Purchase Section, NIPER, S.A.S. Nagar up to 05.00 PM on 06.08.2020 failing which the bid shall be treated as invalid.**

Interested contractor who wish to participate in the bid has also to make following payments within the period of bid submission:
- e-tender processing fee - **Rs. ___________/-** plus GST as applicable shall be payable to M/s ITI Limited through their e-gateway by credit /debit card, internet banking or RGTS/NEFT facility .

Copy of certificate of work experience and other documents as specified in the press notice shall be scanned and uploaded to the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in press notice shall have to be submitted by the lowest bidder within a week physically in the office of tender opening authority.
Online bid documents submitted by intending bidders shall be opened only of those bidders, who has deposited e-Tender Processing Fee with M/s ITI Limited and Earnest Money Deposit and other documents scanned and uploaded are found in order.

The bid submitted shall be opened on 07.08.2020 at 11.00 AM

10. The bid submitted shall become invalid and e-Tender processing fee shall not be refunded if:
(i) The bidder is found ineligible.
(ii) The bidder does not upload all the documents (PAN No. & GST registration etc.) as stipulated in the bid document.
(iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of bid opening authority.
(iv) The intending bidder does not deposit original EMD physically as scanned & uploaded upto 05.00 PM on 06.08.2020.
(v) If a tenderer does not quote of any item, the tender shall be treated as invalid and will not be considered as lowest tenderer.
(vi) If a tendered amount works out to "Zero" as per item rates quoted by the bidder, the tender shall be treated as invalid and will not be considered as lowest tenderer.

11. The contractor whose bid is accepted, will be required to furnish performance guarantee of 5% (Five Percent) of the tendered amount within the period specified in Schedule F. This guarantee shall be in the form of Deposit at Call receipt of any scheduled bank/Banker’s cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule ‘F’ including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The Earnest Money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. if applicable and also ensure the compliance of aforesaid provisions by the contractor, if any engaged by the sub contractor for the said work and Programme Chart (Time and Progress) within the Period specified in Schedule F.

*Performance guarantee shall be released to the contractor only after release of any liability to workers/manpower engaged under this contract and satisfactory handing over the site to the department.*

12. The description of the work is as follows:

“Development of Sports Infrastructure  NIPER, S.A.S. Nagar”.

Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidders shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidders implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.
13. Director, NIPER, S.A.S. Nagar does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.

14. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.

15. Director, NIPER, S.A.S. Nagar reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.

16. The contractor shall not be permitted to bid for works in the Institute’s Engineering Department (responsible for award and execution of contracts) in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Assistant Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Institute. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of NIPER.

17. No Engineer or other officers employed in Engineering or Administrative duties in Institute is allowed to work as a contractor for a period of one year after his retirement from Institute’s service without the previous permission of the competent authority in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found at any time to be such a person who had not obtained the permission of the competent authority as aforesaid before submission of the tender or engagement in the contractor’s service.

18. The bid for the works shall remain open for acceptance for a period of Ninety (90) days from the date of opening of bids. If any bidders withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the Institute shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidders shall not be allowed to participate in the rebidding process of the work.

19. **SIGNING OF CONTRACT**
   The successful tenderer/contractor, on acceptance of his tender by the Accepting authority shall, within 15 days from the stipulated date of start of the work sign the contract consisting of:
   i) The notice inviting tender, all the documents including drawings if any forming the tender as issued at the time of invitation of tender and accepting thereof together with any correspondence leading thereto.
   ii) Standard form consisting as mentioned in schedule F consisting of:
      a) Various standard clauses with corrections up to date stipulated in schedule F along with annexure thereto.
      b) Safety codes
      c) Model rules for the protection of health, sanitary arrangements for the workers employed by the contractor.
      d) Contractor’s labour regulations.
      List of acts and omissions for which fines can be imposed.

20. **For Composite Bids (Not Applicable)**
21. All the payments to the contractor shall be deposited in their bank account through RTGS and the contractor shall submit the detail of his bank account & IFSC code after award of work.
22. In case, date for opening of Eligibility/Financial bid is declared/happens to be public holiday, the Eligibility/Financial bid will be opened on the next working day.
INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR E-TENDERING FORMING PART OF BID DOCUMENT

On behalf of the Director, NIPER, S.A.S. Nagar invites online bids from the Specialized agencies dealing in similar type of jobs on two bid system for the following work:-

1. NIT No. T4/2020
2. Name of work & Location “Development of Sports Infrastructure NIPER, S.A.S. Nagar”
3. Estimated cost put to bid Rs. 46.06 lacs
4. Earnest Money Rs. 92,120/-
5. Period of Completion Four Months
6. Last date & time of submission of bid, EMD, e-tender processing fee and other documents as specified in the press notice 06.08.2020 upto 5:00 PM
7. Last date & time for submission of Original EMD: 06.08.2020 upto 5:00 PM
8. Date &Time of opening of Eligibility bid 07.08.2020 at 11:00 AM
9. Date &Time of opening of financial bid Define Later

1. Contractors who fulfill the following requirements shall be eligible to apply. Joint ventures are not accepted
   a) Should have satisfactorily completed the jobs as mentioned below during the last Seven years ending previous day of last date of submission of bids.

   Three similar jobs each costing not less than Rs. 18.42 Lakh OR two similar jobs each costing not less than Rs. 27.64 Lakh OR one similar jobs costing not less than Rs. 36.85 Lakh in last 7 years ending previous day of last date of submission of bids. ( Similar jobs shall mean “Development of Sports Infrastructure only” )

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

2. The intending bidder must read the terms and conditions of Form-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.

3. Information and Instructions for bidders posted on website shall form of bid document.

4. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from the website: http://tenderwizard.com/niper and official website of the NIPER, S.A.S. Nagar at http://niper.gov.in free of cost.
5. But the bid can only be submitted after depositing Processing Fee in favour of ITI Limited and uploading the mandatory scanned documents such as Demand Draft or Pay order or Banker’s Cheque or Deposit at call Receipt or Fixed Deposit Receipts and Bank Guarantee of any Scheduled Bank towards EMD in favour of Director, NIPER, S.A.S. Nagar and other documents as specified.

6. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.

7. The intending bidder must have valid class-III digital signature to submit the bid.

8. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.

9. Contractor can upload documents in the form of JPG format and PDF format.

10. Contractor must ensure to quote item rates in the Schedule of Quantity.

11. The Eligibility bid shall be opened first on due date and time as mentioned above. The financial bid of contractors qualifying the eligibility bid shall be opened at a later date as mentioned in the Press Notice Inviting Tender.

12. The agency shall submit the status of his firm w.r.t. proprietary firm / partnership firm or Limited company as per detail given below:-

   If the bidder is a proprietary firm, a self undertaking of the proprietorship shall be uploaded by the bidder.

   If the bidder is a firm in partnership, the bid documents shall be signed by all the partners of the firm above their full typewritten names and current addresses, or, alternatively, by a partner holding power of attorney for the firm. In the later case a certified copy of the power of attorney should be uploaded. In both cases a certified copy of the partnership deed and current address of all the partners of the firm should also be uploaded.

   If the bidder is a limited company or a corporation, the bid documents shall be signed by a duly authorized person holding power of attorney for signing the bid documents accompanied by a copy of the power of attorney / Authorization Letter. The bidder should also furnish a copy of the Memorandum of Articles of Association duly attested by a Public Notary.

13. LIST OF DOCUMENTS TO BE SCANNED AND UPLOADED WITHIN THE PERIOD OF BID SUBMISSION:
   a. Scanned copy of DD of EMD.
   b. Scanned copy of Enlistment.
   c. Scanned copy of PAN Card.
   d. Scanned copy of financial certificate from CA for the last three financial years.
   e. Scanned copy of work experience.
   f. Scanned copy of partnership deed.
   g. Scanned copy of Power of Attorney.
   h. Scanned copy of Tender Acceptance Letter.
   i. Scanned copy of authorized dealership from manufacturer approved by ITF.
   j. Scanned copy of documentary proof having main operating offices/sub office of Agencies located in tricity. (Chandigarh/Mohali/Panchkula).
   k. Scanned copy of an undertaking that the Agency should have use synthetic surface material imported from countries USA, Australia, European.
Tender & Contract For Work

Tender for the work of **“Development of Sports Infrastructure NIPER, S.A.S. Nagar”**.

(i) To be submitted online - ___________ upto _____ AM/PM

(ii) Original EMD to be submitted Physically: ___________ upto _____ AM/PM

(iii) Eligibility Bid To be opened online - ___________ at _____ AM/PM

(iv) Financial Bid To be opened online - **Define Later**

**TENDER**

I/we have read and examined the notice inviting tender, schedule A,B,C,D,E & F specifications applicable, Drawings and Designs, General Rules and Directions, conditions of Contract, clauses of contract, special conditions, additional terms & conditions & specifications, schedule of rate and other documents and rules referred to in the conditions of contract and all other contents in the tender documents for the work.

I/we hereby tender for the execution of the work specified for the Institute within the time specified in schedule ‘F’ viz. schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of general rules and Directions and in Clause 11 of the conditions of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

I/we agree to keep the tender open for 90 days from the due date of opening of financial bid and not to make any modifications in its terms and conditions.

A sum of **Rs. 92,120/-** is hereby forwarded in the shape of deposit at call receipt of a scheduled bank/ demand draft of a scheduled bank/ Fixed deposit receipt of scheduled bank in favour of the Director, NIPER, payable at Chandigarh/S.A.S. Nagar as earnest money. If I/We, fail to furnish the prescribed performance guarantee within prescribed period. I/We agree that the said the Director, NIPER or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that Director NIPER or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely. The said performance guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviation as may be ordered mentioned in Schedule-F and those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form. Further, I/We agree that in case of forfeiture of Earnest Money & Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.
I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of institute, then I/We shall be debarred for tendering in NIPER, S.A.S. Nagar in future forever. Also, if such a violation comes to the notice of institute before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the Institute.

Dated:-

Signature of Contractor

Postal Address:

Witness:

Address:

Telephone No.:

Fax No.:

Occupation:

E-Mail.:

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the Institute for a sum of Rs.______________________________

The letters referred to below shall form part of this contract agreement:

i)  ________________________________________________________________________

ii)  _________________________________________________________________________

iii)  ________________________________________________________________________

For & on behalf of the Director,

Dated________

NIPER, S.A.S. Nagar.
To,

………………………..,
………………………..,
………………………..

Sub: NIT No. ________________ for the work "Development of Sports Infrastructure  NIPER, S.A.S. Nagar".

Dear Sir,

It is here by declared that NIPER, S.A.S. Nagar is committed to follow the principle of transparency, equity and competitiveness in public procurement.

The subject Notice Inviting Tender (NIT) is an invitation to offer made on the condition that the Bidder will sign the integrity Agreement, which is an integral part of tender/bid documents, failing which the tenderer/bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected.

This declaration shall form part and parcel of the Integrity Agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the Institute.

Yours faithfully

For & on behalf of the Director,

Dated_______

NIPER, S.A.S. Nagar.
To,

NIPER, S.A.S. Nagar,

………………………..
………………………..

Sub: Submission of Tender for the work of "Development of Sports Infrastructure at NIPER, S.A.S. Nagar".

Dear Sir,

I/We acknowledge that NIPER, S.A.S. Nagar is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/bid document.

I/We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I/We will sign the enclosed integrity Agreement, which is an integral part of tender documents, failing which I/We will stand disqualified from the tendering process.

I/We acknowledge that THE MAKING OF THE BID SHALL BE REGARDED AS AN UNCONDITIONAL AND ABSOLUTE ACCEPTANCE of this condition of the NIT. I/We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/bid is finally accepted by NIPER, S.A.S. Nagar. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article 1 of the enclosed Integrity Agreement.

I/We acknowledge that in the event of my/our failure to sign and accept the Integrity Agreement, while submitting the tender/bid, NIPER, S.A.S. Nagar shall have unqualified, absolute and unfettered right to disqualify the tenderer/bidder and reject the tender/bid is accordance with terms and conditions of the tender/bid.

Yours faithfully

(Duly authorized signatory of the Bidder)
To be signed by the bidder and same signatory competent / authorized to sign the relevant contract on behalf of Institute.

INTEGRITY AGREEMENT

This Integrity Agreement is made at .............. on this ........ day of ........20...... BETWEEN
Director, NIPER, S.A.S. Nagar (Hereinafter referred as the (Address of Division) ‘Principal/Owner’, which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

AND

.................................................................................................................. (Name and Address of the Individual/firm/Company) through ............................................................. (Hereinafter referred to as the (Details of duly authorized signatory) “Bidder/Contractor” and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

Preamble WHEREAS the Principal / Owner has floated the Tender (NIT No.................................) (hereinafter referred to as “Tender/Bid”) and intends to award, under laid down organizational procedure, contract for ..................................................................................

AND WHEREAS the Principal/Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as “Integrity Pact” or “Pact”), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

Article 1: Commitment of the Principal/Owner

1) The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:

(a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

(b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.

(c) The Principal/Owner shall endeavour to exclude from the Tender process any person, whose conduct in the past has been of biased nature.

2) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

Article 2: Commitment of the Bidder(s)/Contractor(s)

1) It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Institute all suspected acts of fraud or corruption or Coercion or Collusion
of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.

2) The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:

a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner’s employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.

b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.

c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participate in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.

d) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose (with each tender as per proforma enclosed) any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.

3) The Bidder(s)/Contractor(s) will not instigate third persons to omit offences outlined above or be an accessory to such offences.

4) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Institute interests.

5) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/ her reputation or property to influence their participation in the tendering process).

**Article 3: Consequences of Breach**

Without prejudice to any rights that may be available to the Principal/Owner under law or the Contract or its established policies and laid down procedures, the Principal/Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/ Contractor accepts and undertakes to respect and uphold the Principal/Owner’s absolute right:
1) If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes.

The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. Such exclusion may be forever or for a limited period as decided by the Principal/Owner.

2) Forfeiture of EMD/Performance Guarantee/Security Deposit: If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/Contractor.

3) Criminal Liability: If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of Indian Penal code (IPC)/Prevention of Corruption Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

**Article 4: Previous Transgression**

1) The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.

2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/Owner.

3) If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

**Article 5: Equal Treatment of all Bidders/Contractors/ Subcontractors**

1) The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Subcontractors/ sub-vendors.

2) The Principal/Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.

3) The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

**Article 6 - Duration of the Pact**

This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor 12 months after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded. If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority of NIPER, S.A.S. Nagar.
Article 7- Other Provisions

1) This Pact is subject to Indian Law, place of performance and jurisdiction is the S.A.S. Nagar/ Chandigarh.

2) Changes and supplements need to be made in writing. Side agreements have not been made.

3) If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.

4) Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intensions.

5) It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in accordance with this Integrity Agreement/ Pact or interpretation thereof shall not be subject to arbitration.

Article 8- LEGAL AND PRIOR RIGHTS

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contact documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

...............................................................
(For and on behalf of Principal/Owner)

...............................................................
(For and on behalf of Bidder/Contractor)

WITNESSES:

1. ..............................................
(signature, name and address)

2. ..............................................
(signature, name and address)

Place:

Dated :
PERFORMA FOR BANK GUARANTEE (PERFORMANCE)

Whereas the National Institute of Pharmaceutical Education & Research (hereinafter called NIPER which expression shall include its successors and assigns) having awarded a work order/contract No. ____________________________dated _______________ (hereinafter called the contract) for ______________ to M/s ____________________________subject to the terms and conditions contained in the contract.

Whereas the terms and conditions of the contract require the contractor to furnish a bank guarantee for Rs. ____________________________ (Rs. ____________________________) being _________ % of the total value of the contract for proper execution and due fulfillment of the terms and conditions contained in the contract.

We, the ____________________________ Bank, (hereinafter called the “Bank”) do hereby unconditionally and irrevocably undertake to pay to NIPER immediately on demand in writing an without protest or demur all moneys payable by the contractor to NIPER in connection with the execution of and performance of the works/equipment, inclusive of any loss, damages, charges, caused to or suffered by NIPER by reasons of any breach by the contractor in the contract as specified in notice of demand made by NIPER to the bank. Any such demand made by NIPER on the bank shall be conclusive evidence of the amount due and payable by the bank under this guarantee. However, the bank’s liability under this guarantee shall be limited to Rs. ____________ in the aggregate and the bank hereby agreed to the following terms and conditions:

I. This guarantee shall be a continuing guarantee irrevocable for all claims of NIPER as specified above and shall be valid during the period specified for the performance of the contract including the period of maintenance/ warranty i.e. up to ________________.

II. We, the said bank further agree with NIPER that NIPER shall have the fullest liberty without our consent and without affecting in any manner our obligations the terms and conditions of the said contract or to extend time for performance of contract by the contractor from time to time any of the powers exercisable by contract and to bear or enforce any of the terms and conditions relating to the said contract as we shall not be relieved from our liability by reason of any such variations of extension being granted to the contractor or for any forbearance, act or omission on the part of NIPER or any indulgence by NIPER to the contractor of by any such matter or thing whatsoever, which under the law relating to the sureties, would, but for this provision, have effect of so relieving us.

III. This guarantee/ undertaking shall be in addition to any other guarantee or security whatsoever NIPER may now or at any time have in relation to the company shall have full recourse to or enforce the security in preference to any other security or guarantee which the NIPER may have or obtained and there shall be no forbearance on the part of the company in enforcing or requiring enforcement of any other security which shall have the effect of releasing the Bank from its liability. It shall not be necessary for NIPER to proceed against the said contractor before proceedings against the Bank.

IV. This guarantee/ undertaking shall not be determined or affected by the liquidation or winding up, dissolution or change of constitution or insolvency of the supplier but shall in all respects and for all purposes be binding and operative until payment of all money payable to NIPER in terms hereof and paid by the Bank.

V. The bank hereby waives all rights at any time inconsistent with the terms of this Guarantee and the obligations of the Bank ‘in terms hereof shall not be otherwise affected or suspended by reasons of any dispute or disputes having been raised by the contractor (whether or not pending before any arbitrator, Tribunal or court) or any denial of liability by the contractor stopping or preventing or purporting to stop or prevent any payment by the bank to NIPER in terms hereof.

We, the said bank lastly undertake not to revoke this guarantee during its currency except with the previous consent of NIPER in writing. Unless a claim is made in writing within six month from the date of expiry of this guarantee i.e. ____________________________, we shall be relieved from all liabilities under this guarantee thereafter.

Signed
This ____________________________day of _____________ 20……..at ________

For and on behalf of Bank

WITNESS:

1. ____________________________

2. ____________________________
SECTION-VII

PROFORMA OF SCHEDULE A TO F

(Separate Performa for Civil, Elect. & Hort. Works in case of Composite Tenders)
(Operative Schedules to be supplied separately to each intending tenderer)

SCHEDULE ‘A’
Schedule of quantities attached.

SCHEDULE ‘B’ : NOT APPLICABLE
Schedule of materials to be issued to the contractor.

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Description of item</th>
<th>Quantity</th>
<th>Rates in figures &amp; words at which the material will be charged to the contractor</th>
<th>Place of Issue</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
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<tr>
<td>3</td>
<td></td>
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<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SCHEDULE ‘C’ : NOT APPLICABLE
Tools and plants to be hired to the contractor.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Description</th>
<th>Hire charges per day</th>
<th>Place of Issue</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SCHEDULE ‘D’
Extra schedule for specific requirements/document for the work, if any. As mentioned in tender documents.

SCHEDULE ‘E’
Reference to General Conditions of contract.

Name of work : Development of Sports Infrastructure NIPER, S.A.S. Nagar.

Estimated cost of work : Rs. 46.06 lakhs

(i) Earnest money : Rs. 92,120/-

(ii) Performance Guarantee : 5% of tendered value

(iii) Security Deposit : 2.5 % of tendered value.

SCHEDULE ‘F’
GENERAL RULES & DIRECTIONS : Officer inviting tender

Maximum quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3. See below

Definitions :
2(v) Engineer-in-Charge : Executive Engineer, NIPER, Mohali

2(viii) Accepting Authority : Director, NIPER

2(x) Percentage on cost of materials and labour to cover all overheads and profits: 15%


2(xii) Department : NIPER Mohali

9(ii) Standard contract Form : General condition of contract

Clauses of Contract
Clause 1

(i) Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance : 7 days

(ii) Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above : As decided by the Director, NIPER.

Clause 2
Authority for fixing compensation under clause 2. : Director NIPER

Clause 2A
Whether Clause 2A shall be applicable : Not applicable

Clause 5
Number of days from the date of issue of letter of acceptance for reckoning date of start : 15 days

Mile stone(s) as per table given below:-

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Description of Milestone (Physical)</th>
<th>Time Allowed in days (from date of start)</th>
<th>Amount to be with-held in case of non achievement of milestone</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Time allowed for execution of work. : 04 months

Authority to decide:
(i) Extension of time : Director NIPER

(ii) Rescheduling of mile stones : Director NIPER

Clause 6, 6A
Clause applicable - (6 or 6A) : 6
Clause 7
Gross work to be done together with net payment/adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment: RS…….

Clause 10A
List of testing equipment to be provided by the contractor at site lab.

1. ........................................ 2. ........................................ 3. ........................................
4. ........................................ 5. ........................................ 6. ........................................

Clause 10B(ii) Whether Clause 10 B (ii) shall be applicable NOT APPLICABLE

Clause 10C Component of labour expressed as percent of value of work .........%

Clause 10CA
NOT APPLICABLE

<table>
<thead>
<tr>
<th>S.N.</th>
<th>Materials Covered under this clause</th>
<th>Nearest Materials (other than cement*, reinforcement bars, the structural steel and POL) for which All India Wholesale Price Index to be followed:</th>
<th>Base Price and its use: corresponding period of all the Materials covered under clause 10 CA*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* includes Cement component used in RMC brought at site from outside approved RMC plants, if any.

** Base price and its corresponding period of all the materials covered under clause 10 CA is to be mentioned at the time of approval of NIT. In case of recall of tenders, the base price may be modified by adopting latest base price and its corresponding period.

Clause 10 CC
Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column.: Not applicable

Schedule of component of other Materials,: Not applicable.

Component of civil (except materials covered under clause 10CA) /Electrical construction Xm. % value of work. –

Component of Labour - expressed as percent of total value of work. Y ........... %

Note:
Xm.....% should be equal to (100) - (materials covered under clause 10CA i.e. Cement, Steel, POL and other material specified in clause 10CA + Component of Labour )

Clause 11 Specifications to be followed for execution of work upto date amendments wherever no such specifications exist in S.No. I, ii.

(i) NIT specifications,
(ii) CPWD specifications with
(iii) Bureau of Indian Standard
Clause 12
Type of work: Development of Sports Infrastructure

12.2 & 12.3 Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for work: 30%

12.5 (i) Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation work: 100%

Clause 16
Competent Authority for deciding reduced rates: Director NIPER

Clause 18
List of mandatory machinery, tools & plants to be deployed by the contractor at site: Attached

Clause 36 (i)
Requirement of Technical Representative(s) and recovery Rate.

<table>
<thead>
<tr>
<th>Sl No.</th>
<th>Minimum Qualification of Technical/Technical representative</th>
<th>Discipline</th>
<th>Designation (Principal Technical Representative)</th>
<th>Minimum Experience</th>
<th>Number</th>
<th>Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36(i)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Graduate Engineer or Diploma Engineer</td>
<td>Civil</td>
<td>Technical Representative</td>
<td>2-5 years</td>
<td>1 No.</td>
<td>Rs. 15000/- per month</td>
</tr>
<tr>
<td>2.</td>
<td>Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers. Diploma holder with minimum 10 year relevant experience with a reputed construction co. can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Clause 42
(i) (a) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates printed by C.P.W.D.

ii) Variations permissible on theoretical quantities:
   (a) Cement
       For works with estimated cost put to tender not more than Rs. 5 lakh. 3% plus/minus.
       For works with estimated cost put to tender more than Rs. 5 lakh. 2% plus/minus.
   (b) Bitumen All Works 0.3% ± plus/minus.
   (c) Steel Reinforcement and structural steel sections for each diameter, section and category 2% plus/minus.
   (d) All other materials Nil

RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

<table>
<thead>
<tr>
<th>Sl No.</th>
<th>Description of Item</th>
<th>Rates in figures and words at which recovery shall be made from the Contractor</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Excess beyond permissible variation</td>
</tr>
<tr>
<td>1.</td>
<td>Cement</td>
<td>….NIL….</td>
</tr>
<tr>
<td>2.</td>
<td>Steel reinforcement</td>
<td>….NIL….</td>
</tr>
<tr>
<td>3.</td>
<td>Structural Sections</td>
<td>….NIL….</td>
</tr>
</tbody>
</table>

Preferred Makes: As attached.
(Signatures of the Tenderer)
1. The Director, NIPER, S.A.S. Nagar reserves the right to accept/reject any or all tenders without assigning any reason thereof.

2. All the disputes concerning this tender in any way are subject to S.A.S. Nagar/Chandigarh Jurisdiction only.

3. The institute reserves the right to revise or amend the tender documents prior to the date notified for opening of the tenders and also the right to postpone the date of presentation and opening of tenders without assigning any reason, whatsoever.

4. Each tenderer shall upload only one tender; either by him or as partners in a joint venture. A tenderer who uploads more than one tender will be disqualified.

Tenderers to study entire tender document carefully
(a) Submission of a tender by a tenderer implies that he has read all the stipulations contained in this booklet and all other contract documents and has acquainted himself of the nature, site conditions scope and specifications of the works to be executed and of conditions and rates at which stores will be issued to him by the NIPER, S.A.S. Nagar. The contractor shall also be deemed to have acquainted himself with local conditions and other factors which have a bearing on the execution of the works.
(b) No claim will be entertained on account of ignorance of site conditions.

5. CONTRACTOR SHALL SUBMIT FABRICATION DRAWING FOR OBTAINING APPROVAL
The contractor shall submit fabrication drawing in triplicate for obtaining preliminary approval of the Engineer-in-Charge for all design drawings structural steel elements, electrical panels and Air-Conditioning ducts wherever required. One copy of this drawings duly corrected and signed wherever necessary by Institute will be returned to the contractor for preparing and resubmitting drawings after incorporating the said corrections again in triplicate for final approval. Along with the completion and approval of fabrication drawing, the contractor shall also submit the materials list, for checking and approval to the institute. No drawing shall be approved finally without material list. Once the drawing is finally approved, no request for any alternative section will be entertained. The contractor shall also submit 3 copies of design calculations for the designs of joints if required. All joints shall be designed for full strength of members, unless otherwise specified. Approval of fabrication drawings however will not absolve the contractor of his responsibility for the safety and correctness of the fabrication.

6. BID OF CONTRACTORS WITH A BLEMISHED/BLACK LISTED RECORD WILL NOT CONSIDER
If the Engineer-in-Charge receives adverse report against any working contractor of the Institute, either from the department in which he is enlisted or from any other Department or Engineer-in-Charge of the Institute, his bid will not be considered on the basis of such a report.

On the receipt of a case of adverse performance/Misbehavior/Threatening of site staff/black listing or any other such reasons, the Director, NIPER, S.A.S. Nagar shall issue show cause to such contractors and after considering their reply, He shall have full powers to debar such contractor for a period as decided by him. Such debarred contractor shall be ineligible to take up any work in the Institute during the period of debarring.

A copy of such orders shall be posted on NIPER, S.A.S. Nagar website so that every field unit of the Institute becomes aware and does not issue tender to such debarred contractors.
If the NIT approving authority not lower than the Director, NIPER, S.A.S. Nagar is satisfied that it is in the interest of the Institute to allow a contractor who has been debarred for reason of inactivity, to participate in the tendering process for getting competitive tenders, he may do so.

10. Interpretations, corrections and changes to the Tenders Documents shall be made by Addendum, if required.

11. **Water** supply if available will be provided by the owner at one point through distribution pipe networks and pumping are to be made by the contractor at his own cost. Water charges 1% of the amount of work done will be deducted from each running/ final bill. However the agency need to make his own arrangement for water to cope up with any eventualty in the interest of work.

12. **Electricity** if available will be provided at one point and will be charged as per actual consumption. However, the tenderer required to make his own arrangement by installation of generator at his own cost to cope up any eventually in the interest of progress of work.

13. The security will be deducted from each running bill @ 2.5% which will be released as per the provision mentioned in the General conditions of contract.

14. **Defect Liability Period.** The defect liability period shall be 5 years from the final date of completion of work and the Security deducted from the running bill will be refunded after expiry of defect liability period. Any defects/ defective material noted during this period shall be rectified/ replaced by the Agency at its own cost to the entire satisfaction of the Engineer-in-Charge.

15. In the event of occurrence of any of the following contingencies or the firm committing breach of any of the terms & conditions herein contained for the satisfactory and faithful performance of the contract, the Institute shall be at liberty to terminate this contract by giving 15 day notice without assigning any reason and in such case the earnest money & performance guarantee shall be forfeited absolutely. During the notice period of 15 days for termination of contract, the contractor shall continue to provide service as before till the expiry of notice period.” It shall be the duty of the contractor to remove all the person deployed by him on termination of the contract on any grounds whatsoever and ensure that no person shall create any disruption / Hindrance / problem of any Nature to the Institute

I. If the Contractor commits default in commencing the execution of the work within the time allowed or the extended time as specified in the DNIT.

II. The contractor assigns the contract or any part thereof to any other person for sub-letting the whole or a part of the contract.

III. The contractor is declared insolvent by any court of law.

IV. The execution of work not as per the directions of the Engineer-in-Charge.

V. In case of progress of work is found slow.

VI. Frequent failure to provide replacement of the absenteeism.
1. EARTH WORKS: - As per MORT&H/ CPWD Specification.
2. R.C.C Works: - As per CPWD Specifications.
3. Granular Sub Base grading as per following table

Table of 400.1 of MORT&H Specifications grading for coarse graded Granular Sub Base

<table>
<thead>
<tr>
<th>IS : Sieve Designation</th>
<th>Grading I</th>
<th>Grading II</th>
<th>Grading III</th>
<th>Grading IV</th>
<th>Grading V</th>
<th>Grading VI</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td>100</td>
<td>80-100</td>
<td>100</td>
</tr>
<tr>
<td>80-100</td>
<td>100</td>
<td>100</td>
<td></td>
<td>100</td>
<td>80-100</td>
<td>100</td>
</tr>
<tr>
<td>75.0mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>53.00mm</td>
<td>80-100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>80-100</td>
<td>100</td>
</tr>
<tr>
<td>45.00mm</td>
<td>55.90</td>
<td>70-100</td>
<td>55-75</td>
<td>50-80</td>
<td>55-90</td>
<td>75-100</td>
</tr>
<tr>
<td>26.5mm</td>
<td>35-65</td>
<td>50-80</td>
<td>10-30</td>
<td>15-35</td>
<td>25-50</td>
<td>30-55</td>
</tr>
<tr>
<td>9.50mm</td>
<td>25-55</td>
<td>4-65</td>
<td>0-30</td>
<td>15-35</td>
<td>25-50</td>
<td>30-55</td>
</tr>
<tr>
<td>2.36mm</td>
<td>20-40</td>
<td>30-50</td>
<td></td>
<td>10-20</td>
<td>10-25</td>
<td></td>
</tr>
<tr>
<td>0.85mm</td>
<td></td>
<td></td>
<td></td>
<td>2-10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.425mm</td>
<td>10-15</td>
<td>10-15</td>
<td></td>
<td>0-5</td>
<td>0-8</td>
<td></td>
</tr>
<tr>
<td>0.075mm</td>
<td>&lt;5</td>
<td>&lt;5</td>
<td>&lt;5</td>
<td>&lt;5</td>
<td>-</td>
<td>0-3</td>
</tr>
</tbody>
</table>

4. The source of coarse aggregate, fine aggregate, to be used in bituminous work shall be indentified by the contractor & he will satisfy himself regarding the conforming to the relevant specifications & their availability before getting the same approved by the Engineer-in-Charge.

   (a) Coarse Aggregate: - As per MOR&H Specifications.

   (b) Fine Aggregate: - As per MOR&H Specifications.

5. PRE-CAST CC WORK
5.1 The work shall be done in accordance with CPWD specifications.
5.2 Pre-cast reinforced concrete units shall be grade or mix as specified. Provision shall be made in the mould to accommodate fixing devices such as hooks etc and forming of notches and holes. Each unit shall be cast in one operation. A sample of the unit shall be got approved from Engineer-in-Charge before taking up the work.
5.3 Pre-cast units shall be clearly marked to indicate the top of member and its location.
5.4 Pre-cast units shall be stored, transported and placed in position in such a manner that these are not damaged.
5.5 The compaction of the concrete shall be done by vibrating table or external vibrator as approved by Engineer-in-Charge. The rate quoted for the item shall include the element for framework and mechanical vibration.
6. Wet Mix Macadam grading as per following table:

Table of 400.13 of MORT&H Specifications grading for Wet Mix Macadam

<table>
<thead>
<tr>
<th>IS : Sieve Designation</th>
<th>% by weight passing IS sieve</th>
</tr>
</thead>
<tbody>
<tr>
<td>53.00mm</td>
<td>100</td>
</tr>
<tr>
<td>45.00mm</td>
<td>95-100</td>
</tr>
<tr>
<td>22.40mm</td>
<td>60-80</td>
</tr>
<tr>
<td>11.20mm</td>
<td>40-60</td>
</tr>
<tr>
<td>4.75mm</td>
<td>25-40</td>
</tr>
<tr>
<td>2.36mm</td>
<td>15-30</td>
</tr>
<tr>
<td>600 micron</td>
<td>8-22</td>
</tr>
<tr>
<td>75 micron</td>
<td>0-8</td>
</tr>
</tbody>
</table>

Note: The material finer than 425 micron shall have plastically index not exceeding 6
7. Grading of Dense graded bituminous macadam as per following table:

**Table of 500.10 of MORT&H Specifications grading : Composition of Dense Graded Bituminous Madadam**

<table>
<thead>
<tr>
<th>IS : Sieve Designation</th>
<th>Cumulative % by weight of total aggregate passing</th>
</tr>
</thead>
<tbody>
<tr>
<td>37.50mm</td>
<td>100</td>
</tr>
<tr>
<td>26.50mm</td>
<td>90-100</td>
</tr>
<tr>
<td>19.00mm</td>
<td>71-95</td>
</tr>
<tr>
<td>13.20 mm</td>
<td>55-60</td>
</tr>
<tr>
<td>4.75mm</td>
<td>38-54</td>
</tr>
<tr>
<td>2.36mm</td>
<td>28-42</td>
</tr>
<tr>
<td>0.30mm</td>
<td>7-21</td>
</tr>
<tr>
<td>0.075mm</td>
<td>2-8</td>
</tr>
</tbody>
</table>

Bitumen content % by mass of total mix – 4% (Maximum)

8. Grading of bituminous concrete as per following table:

**Table of 500.17 of MORT&H Specifications grading : Composition of Bituminous Concrete Pavement layers.**

<table>
<thead>
<tr>
<th>IS : Sieve Designation</th>
<th>Cumulative % by weight of total aggregate passing</th>
</tr>
</thead>
<tbody>
<tr>
<td>19.00 mm</td>
<td>100</td>
</tr>
<tr>
<td>13.20 mm</td>
<td>90-100</td>
</tr>
<tr>
<td>9.50 mm</td>
<td>70 – 88</td>
</tr>
<tr>
<td>4.75 mm</td>
<td>53 – 71</td>
</tr>
<tr>
<td>2.36 mm</td>
<td>42 – 58</td>
</tr>
<tr>
<td>1.18 mm</td>
<td>34 – 48</td>
</tr>
<tr>
<td>0.6 mm</td>
<td>26 – 38</td>
</tr>
<tr>
<td>0.30 mm</td>
<td>18 - 28</td>
</tr>
<tr>
<td>0.15 mm</td>
<td>12 - 20</td>
</tr>
<tr>
<td>0.075 mm</td>
<td>4 - 10</td>
</tr>
</tbody>
</table>

Bitumen content % by mass of total mix – 5.4% (Maximum)

9. Grading of bituminous Macadam as per following table:

**Table of 500.7 of MORT&H Specifications grading : Aggregate grading and bitumen contents**

<table>
<thead>
<tr>
<th>IS : Sieve Designation</th>
<th>Cumulative % by weight of total aggregate passing</th>
</tr>
</thead>
<tbody>
<tr>
<td>26.50mm</td>
<td>100</td>
</tr>
<tr>
<td>19.00mm</td>
<td>90-100</td>
</tr>
<tr>
<td>13.20 mm</td>
<td>56-88</td>
</tr>
<tr>
<td>4.75mm</td>
<td>16-36</td>
</tr>
<tr>
<td>2.36mm</td>
<td>4-19</td>
</tr>
<tr>
<td>0.30mm</td>
<td>2-10</td>
</tr>
<tr>
<td>0.075mm</td>
<td>0-8</td>
</tr>
</tbody>
</table>

Bitumen content % by mass of total mix – 3.4% (Maximum)

10. APPROVAL OF DESIGN MIX

The design mix shall be considered satisfactory and approved if at least three preliminary test-sets individually satisfy the following strength and workability criteria.

(a) The average strength of each test-set is not less than the specified target mean compressive strength (Tick)
(b) The concrete mix is of required degree of workability and acceptable concrete finish.
11. MEASUREMENT –
   (a) As per CPWD/MORT&H specifications.

12. TOLERANCES – As per CPWD/MORT&H specifications.

13. RATES
   (a) The rate includes the cost of materials labour and T&P including mixing, placing, transportation involved in the operations described above.

13.1 Design Mix Concrete

13.1.1 The RCC work shall be done with Design Mix Concrete. Wherever letter M has been indicated, the same shall imply for the Design, Mix Concrete. The Design Mix Concrete will be designated based on the principles given in IS:456, 10262 & SP 23. The Conditions & Specifications stated herein shall have precedence over all conditions & specifications stated in relevant I.S. Codes/ CPWD Specifications. The concrete mix shall be designed for the specified target mean compressive strength in order to ensure that work test result do not fall below the acceptance criteria specified for the concrete mix. The contractor shall design mixes for each class of concrete indicating that the concrete ingredients and proportions will result in concrete mix meeting the requirement specified.
   (a) The contractor has to submit design mix without use of admixtures.
   (b) Admixture may be added (by maintaining the minimum cement content as given under Para 3.1.3 in case of specific technical requirement so as to meet the workability/ slump requirement or for any other reason but nothing extra is to be paid to contractor on account of adding admixtures.

13.1.2 The source of coarse aggregate, fine aggregate, water, admixture & cement to be used in concrete work shall be identified by the contractor & he will satisfy himself regarding their conforming to the relevant specifications and their availability before getting the same approved from the Engineer-in-Charge.
   (a) Coarse Aggregate - As per CPWD specifications.
   (b) Fine Aggregate - As per CPWD specifications.
   (c) Water - It shall conform to requirements laid down in IS 450-2000 / Para 5.4 of CPWD specifications.
   (d) Cement - OPC of grade 43 shall be used for design mix concrete and shall conform to IS-8112 or IS-12330. However, if the contractor uses higher grade of cement nothing extra shall be paid.
   (e) Admixture/ Plasticizer - The admixture shall conform to IS:9103. Whenever required, the admixture of approved quality & approved make only shall be used to attain the required workability. Nothing extra on account of use of Admixture/ Plasticizer shall be payable.

13.1.3 APPROVAL OF DESIGN MIX
   The design mix shall be considered satisfactory and approved if at least three preliminary test-sets individually satisfy the following strength and workability criteria.
   (a) The average strength of each test set is not less than the specified target mean compressive strength (Tck).
   (b) The strength of any specimen cube is not less than 0.85 Tck.
   (c) The concrete mix is of required degree of workability and acceptable concrete finish.

13.1.4 BATCHING MIXING
   (a) All design mix concrete shall be done using fully automatic batching plant conforming to IS:4925 of minimum 6 cum per hour capacity. The automatic batching plant shall be charged by devices when actuated by a single starter switch, will automatically start the weighing operation of each material (i.e. stone aggregate, sand, cement, water, admixture etc) and stop automatically when designated weight of each material has been reached and also it should have rated capacity (in terms of concrete in a single batch), it shall have control panel for operation of the batching plant complete with printing facility.
   (b) The contractor shall be free to use Ready Mix Concrete (RMC) in place of Batch mix concrete at his own cost. The contractor shall ensure that transit mixtures shall transport the concrete to site. All the precautions shall be taken during the transportation and handling of concrete to achieve the desired strength durability, etc. as envisaged in the Mix Design. Contractor has to get the approval from Engineer-in-Charge regarding source of RMC by giving the details of (such plants having minimum turn over of Rs. 1 Crore/ per month or 4000 cum production from last one year upto preceding months of the tender and also the minimum production capacity of the plant should be 60 cum per hour) indicating name of owner/ company, its location, technical establishment, past experience and text of Memorandum o
Understanding (proposed to be entered between purchaser and supplier). The Engineer-in-Charge, after satisfying himself about quality/capability of the company shall give approval in writing (subject to drawing of MOU). The MOU shall be drawn with RMC plant owner/company and submitted to Engineer-in-Charge within a week of such approval. The contractor will not be allowed to purchase RMC without completion of above formalities for use in the project. Notwithstanding the approval granted by Engineer-in-Charge in aforesaid manner the contractor shall be fully responsible for quality of concrete including input control, production transportation and placement etc. The Engineer-in-Charge will reserve the right to deploy his supervisor at plant site to inspect at any such stage and reject the material/concrete etc if he is not satisfied about the quality of material/product.

(c) All measuring equipment shall be maintained in a clean and serviceable condition and the accuracy shall be checked at least once a month.

(d) Only single sized good quality stone aggregate shall be brought to site of work from the approved source. The grading of the stone aggregate shall be controlled by blending the aggregate of different sizes in the required proportions at site of work.

(e) The aggregate of different sizes shall be stock-piled separately, preferably a day before use.

(f) The grading of coarse and fine aggregate shall be checked as frequently as possible and as directed by the Engineer-in-Charge to ensure that the specified grading and quality of aggregate i.e. maintained.

(g) It is important to maintain in the aggregate shall be determined as frequently as possible in keeping with the weather conditions and as per the provisions of IS:2386 (Part-III).

13.1.5 R.C.C. WORK (ORDINARY)

The work shall be done in accordance with CPWD Specifications. Water cement ratio for Ordinary R.C.C. work shall not be more than 0.5. Contractor shall use concrete mixture of proper design having arrangement for measuring water for mixing of concrete.

13.1.6 REINFORCEMENT

(a) The reinforcement shall be done as per CPWD Specifications.

(b) The rate of item of reinforcement of RCC work includes all operations including straightening, cutting, bending, welding, binding with annealed steel or welding and placing in position at all the floors with all leads and lift complete CPWD specification.

(c) The contractor shall provide approved type of support for maintaining the bars in position and ensuring required spacing and correct cover of concrete to reinforcement as called for in the drawings, spacer blocks of required shape and size. Chairs and spacer bars shall be used in order to ensure accurate positioning of reinforcement. Spacer blocks shall be cast well in advance with approved proprietary pre-packed free flowing mortars (Conbe extra as manufactured by M/S Fosroc Chemicals India Ltd. or approved equivalent) of high early strength and same colour as surrounding concrete. Pre-cast, cement mortar/concrete blocks/blocks of polymer shall not be used as spacer blocks unless specially approved by the Engineer-in-Charge, rate of R.C.C. items is inclusive of cost of such cover blocks.

13.1.7 PRE-CAST R.C.C. WORK

(a) The work shall be done in accordance with CPWD specifications.

(b) Pre-cast reinforced concrete units shall be grade or mix as specified. Provision shall be made in the mould to accommodate fixing devices such as hooks etc and forming of notches and holes. Each unit shall be cast in one operation. A sample of the unit shall be got approved from Engineer-in-Charge before taking up the work.

(c) Pre-cast units shall be clearly marked to indicate the top of member and its location.

(d) Pre-cast units shall be stored, transported and placed in position in such a manner that these are not damaged.

(e) The compaction of the concrete shall be done by vibrating table or external vibrator as approved by Engineer-in-Charge. The rate quoted for the item shall include the element for framework and mechanical vibration.

(f) Rate for item includes cost of all materials, labour, and all operations involved. Cost of M.S. frames, lugs including their welding, lifting hooks is also included.

13.1.8 BRICK WORKS

(a) The brick work shall be carried out with good quality well burnt FPS bricks of class designation 75 as per CPWD Specifications.

(b) The rate shall also include for leaving chases/notches for dowels/cramps for all kinds of cladding to come over brick work.

(c) Brick work provided around shaft or lift walls or around slabs cutouts shall be measured in the brick for corresponding floor level. Nothing extra shall be paid on this account.

(d) M.S. Strip provided at every third course of half brick masonry shall be in single piece. If required, welding joint can be used without overlaps. Nothing extra shall be paid for welding and overlaps.
13.1.9 FLOORING
(a) All work in general shall be carried out as per CPWD specifications.
(b) Whenever flooring is to be done in pattern of tiles and stones, the contractor shall get samples of each pattern laid and approved by the Engineer-in-Charge before final laying of such flooring. Nothing extra shall be payable on this account.
(c) Different stones/tiles used in pattern flooring shall be measured separately as defined in the nomenclature of the item and nothing extra for laying pattern flooring shall be paid over and above the quoted rate. No additional wastage, if any, shall be accounted for any extra payment.
(d) Samples of flooring stones (Kota/ Marble/ Granite etc) shall be deposited well in advance with the Engineer-in-Charge for approval. Approved samples should be kept at site with the Engineer-in-Charge and the same shall not be removed except with the written permission of Engineer-in-Charge. No payment whatsoever shall be made for these samples.
(e) The Marbla/ Kota/ Granite stone over kitchen platform shall be provided which shall not be less than 900mm long except to adjust for closing places. The marble/ stone flooring in treads and risers of staircases shall not be less than 1500mm long except to adjust the closing pieces. Nothing extra shall be paid on these accounts.

13.1.10 BATCH MIX CONCRETE
(a) The contractor shall establish a laboratory at site of batch mix plant to test the coarse aggregate, fine aggregate, water, sand, cement etc. Contractor is also required to depute technical personnel specifically for running of Batch Mix Plant and for quality control of mix produced.
(b) The excavated surplus earth of the building shall be disposed of by the contractor for all leads and lifts free of cost within campus. Dumping site/premises shall be approved from Engineer-in-Charge. The contractor will not be permitted to take the surplus earth outside the campus.
(c) In case department does not specify the source of earth, the earth for filling is to be supplied by the contractor by the contractor/ Agency. The rates to be quoted should include all leads and lifts whatsoever. The contractor/ Agency will arrange earth from its own sources.
(d) All disputes concerning with this work/tender are subject to the Chandigarh jurisdiction.

13.1.11 SYNTHETIC COURT. Synthetic cushioned acrylic surfacing system of international repute (outdoor) for sports flooring should be approved by ITF of classification-III with eight layers of synthetic cushioned surfacing materials including of court lines.
(a) 1 layer of filter re-surfacer.
(b) 5 layers of cushion.
(c) 2 layer of colour coats with court line marking.
SECTION X

TECHNICAL SPECIFICATIONS

General
1. Except for the items, for which Particular Specifications are given or where it is specifically mentioned otherwise in the description of the items in the Schedule of Quantities, the work shall generally be carried out in accordance with the “CPWD/MORT&H Specifications” and as per instructions of Engineer-in-Charge. Wherever “CPWD/ MORT&H Specifications” shall be followed and the rates should be all inclusive.
2. Any reference made to any Indian Standard Specifications shall imply to the latest version of that standard including such revisions/amendments as issued by the Bureau of Indian Standards up to last date of receipt of tenders. The Contractor shall keep at his own cost all such publications including relevant Indian Standard applicable to the work at site.
3. The work shall be executed and measured as per metre dimensions given in the Schedule of Quantities drawings etc. (FPS units wherever indicated are for guidelines only)
4. Sample including brand/quantity of materials to be used in the work shall be got approved from the Engineer-in-Charge, well in advance of actual execution and shall be preserved till the completion of the work.
5. The contractor provide at his own cost suitable weighing, surveying and leveling and measuring arrangements as may be necessary at site for checking. All such equipments shall be got calibrated in advance from laboratory, approved by the Engineer-in-Charge. Nothing extra shall be payable on this account.
6. 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 Architectural and plumbing drawings.
7. The work shall be carried out in accordance with the Architectural drawings and Structural drawings, to be issued from time to time by the Engineer-in-Charge. Before commencement of any items of work, the contractor shall correlate all the relevant architectural and structural drawings issued for the work, nomenclature of items, specifications etc and satisfy himself that the information available there from is complete and unambiguous. The figures and 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. The contractor alone shall be responsible for any loss or damage occurring by the commencement of work on the basis of the any erroneous and/or incomplete information and no claim, whatsoever shall be entertained on this account.

TESTING OF MATERIAL
8. Sample of materials required for testing shall be provided free of charge by the Contractor. The cost of tests shall be borne by the Contractor.
9. However, if any ultrasonic pulse velocity/load testing or special testing is to be done for concrete whose strength is doubtful, the cost of the same shall be borne by the contractor.
10. In case there is any discrepancy in frequency of testing as given in list of mandatory tests and that in individual sub-heads of work as per CPWD Specifications higher of the two frequencies of testing shall be followed and nothing extra shall be payable on this account.

FIELD LABORATORY
11. The contractor has to establish field laboratory at site including all necessary equipments and skilled manpower for the Field Tests as at Page No. 36 at his own cost to have proper quality control.
12. The contractor shall ensure quality construction in a planned and time bound manner. Any sub-standard material/work beyond set out tolerance limit shall be summarily rejected by the Engineer-in-Charge and contractor shall be hound to replace/remove such sub-standard/defective material immediately.
13. The list of Laboratory/Field equipment referred above are to be arranged and maintained by the contractor at the site of work. In case the equipment required for any test is not available at site, the department of sample, the cost of taking of sample, packing, transportation, testing charges etc shall be borne by the contractor irrespective of the results.

SECRECY
14. The contractor shall take all steps necessary that all persons employed on any work in connection with the contract have notice that the Indian Official Secret Act 1923 applies to them and will continue so to apply even after the execution of such works under the contract.
15. The contract in confidential and must be strictly confirmed to the contractor’s own use (except so far as confidential disclosure to sub-contractors or suppliers as necessary) and to the purpose of the contract.
16. All documents, copies thereof & extracts there from furnished to the contractor shall be returned to the Engineer-in-Charge on the completion of the work/ works or the earlier determination of the contract.

PROGRAM CHART
17. The contractor shall prepare an integrated program chart for the execution of work, showing clearly all activities from the start of work to completion with details of manpower, equipment and machinery required for the fulfillment of the program within the stipulated period or earlier and submit the same for approval of the Engineer-in-Charge within 15 days of the issue of letter of acceptance for the contract.

18. The work has to be completed in stages as indicated in the Milestones under Schedule ‘F’ and the program should be prepared in such a manner to achieve these Milestones as indicated therein or earlier.

19. The program chart should include the following:
   a) Descriptive note explaining sequence of various activities.
   b) Network (PERT / CPM/ BAR CHART) which will indicate resources in financial terms, manpower and specialized equipment for every important stage.
   c) Program for procurement of materials by the contractor.
   d) Program of procurement of machinery/ equipments having adequate capacity, commensurate with the quantum of work to be done within the stipulated period, by the contractor.
   e) If at any time it appears to the Engineer-in-Charge that the progress of work does not conform to the approved program referred above, the contractor shall produce a revised program showing the modifications to the approved program by additional inputs to ensure completion at the work within the stipulation time.
   f) The submission of revised program or approval by the Engineer-in-Charge of such program or the furnishing of such particulars shall not relieve the contractor of any of his duties or responsibilities under the contract. This is without prejudice to the right of Engineer-in-Charge to take action against the contractor as per terms and conditions of the agreement.

PROGRESS AND MONITORING OF WORK
20. Contractor shall give the Engineer-in-Charge on the 10th day of each month, progress report of the work done during the previous month. Such progress report will include the project progress summary work progress (planned vis actually, PERT chart, milestone status, financial progress status, manpower deployment status, important materials consumed, materials at site at the beginning of the month, materials consumed during the month and the balance quantities at the end of month and progress of the work stating the reasons for shortfall, if any including the steps and measures to be taken for making good the short fall in the succeeding period. Non submission of aforesaid progress report shall make contractor table for action under breach of contract conditions.

SAMPLE OF MATERIALS
21. All materials and fittings brought by the contractor to the site for use shall conform to the samples approved by the Engineer-in-Charge which shall be preserved till the completion of the work. If a particular brand of material is specified in the item of work to Schedule of Quantity the same shall be used after getting the same approved from Engineer-in-Charge. Wherever brand/ quality of material is not specified in the item of work, the contractor shall submit the samples as per List of Preferred Makes as at Page 38 for approval of Engineer-in-Charge. For all other items, ISI marked materials and fittings are not available, the contractor shall submit samples of materials/ fittings manufactured by time of repute conforming to relevant Specifications or IS codes for the approval of Engineer-in-Charge.

22. To avoid delay contractor should submit samples as stated above well in advance so as to give timely orders for procurement. If any material even through approved by Engineer-in-Charge is found defective or not conforming to specifications shall be replaced/ removed by the contractor at his own risk & cost.

23. BIS marked items (except cement & steel for which separate provisions have been made in Para25) required on the work shall be got tested, for only important tests, which govern the quality of the product as deemed by the Engineer-in-Charge. The frequency of such tests (except the mandatory test) shall be 5% of the frequency as specified in BIS. For mandatory test, frequency shall be as specified in the CPWD Specifications.

24. For certain items, if frequency of tests is neither mentioned in the CPWD specifications & BIS then tests shall be carried out as per decision of Engineer-in-Charge.

25. CEMENT (IF NOT STIPULATED TO BE SUPPLIED BY THE DEPARTMENT).
   Contractor has to produce manufacturers test certificate for each lot of cement procured at site.

CEMENT
The contractor shall procure 43 Grade Ordinary Portland Cement and/or Portland Pozzolona Cement (Fly Ash based) required in the work from reputed manufacturers of cement as per the approved make in 50 kg bags bearing manufacturer’s name and ISI marking along with manufacturers test certificate for each lot Portland Pozzolona Cement is however not to be used for RCC work.
Sample of cement arranged by the contractor shall be taken by the Engineer-in-Charge and get tested in accordance with provisions of relevant BIS Codes. The cement for such testing purpose shall be supplied by the contractor free of charge. In case test results indicate that the cement arranged by the Contractor does not conform to the relevant BIS Codes, the same shall stand rejected and shall be removed from the site by the contractor at his own cost within a week’s time of written order from the Engineer-in-Charge to do so. The cost of tests shall be borne by the contractor/ department in the manner indicated below.

a) By the contractor, if the result show that the cement does not confirm to relevant BIS codes.
b) By the department, if the results show that the cement conforms to relevant BIS Codes.

OPC/ PPC shall be brought at site in bulk supply of approximately 30 tonnes or as decided by the Engineer-in-Charge. OPC/ PPC bags shall be stored in separate godowns. Separate godowns for tested cement and fresh cement (under testing) to be constructed by the contractor at his own cost as per sketches given in CPWD Specifications having weather-proof roofs and walls. The size of the cement godown is indicated in the sketches for guidance. The actual size of godown shall be as per site requirements and nothing extra shall be paid for the same. Each godown shall be provided with a single door with two locks. The keys of one lock shall remain with Engineer-in-Charge so that the cement is issued from godown according to the daily maintained in a register in the prescribed proforma and signed daily by the contractor or his authorized agent and Engineer-in-Charge or his authorized representative in token of its correctness. The day to day receipt and issue accounts of different grade/ brand of cement shall be maintained separately in the standard proforma by the contractor or his authorized representative which shall be duly signed by the authorized representative of the Engineer-in-Charge before issue to the work on day to day basis.

The capacity of each cement godown shall be 1000 bags of cement or more as decided by the Engineer-in-Charge and shall be constructed by the contractor at site of work and at the site of batching plant for which no extra payment shall be made. The contractor shall be responsible for the watch and ward and safety of the cement godowns. The contractor shall facilitate the inspection of the cement godown by the Engineer-in-Charge at any time.

The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in Clause 42 of the contract and shall be governed by the conditions laid therein.

If the quantity of cement actually used in the work is found to be more than the theoretical quantity or cement including authorized variation nothing extra shall be payable to contractor on this account in the event of it being discovered that after the completion of the work, the quantity of cement used is less than the quantity ascertained as herein before provided (allowing variation on the minus side as stipulated in Clause 42) the cost of quantity of cement not so used shall be recovered from the contractor as specified in schedule. Decision of the Engineer-in-Charge in regard to theoretical quantity of cement which should have actually used as per the schedule and recovered at the specified shall be final and binding on the contractor.

For non schedule items, the decision of the Superintending Engineer regarding theoretical quantity of the cement which should have actually used, shall be final and binding on the contractor.

Cement brought to site and cement remaining unused after completion of work shall not be removed from site without written permission of the Engineer-in-Charge.

In case the contractor brings surplus quantity of cement the same shall be removed from the site after completion of work by the contractor at his own cost after approval of the Engineer-in-Charge.

Cement which is not used within 90 days from the date of manufacture, shall be retested at approved laboratory. Untill the results of such tests are found satisfactory, it shall not be used on the work.

STEEL REINFORCEMENT

26. The contractor shall procure Thermo Mechanically Treated (TMT) FE-500 steel reinforcement bars conforming to relevant BIS codes from main primary producer listed in approved makes appended with this tender document. The contractor shall obtain and furnish test certificates to the Engineer-in-charge or his authorized representative in respect of all supplies of steel brought by him to the site of work. Samples shall also be taken and got tested by the Engineer-in-charge or his authorized representative as per the provisions in this regard in relevant BIS codes. In case the test results indicate that the steel arranged by the contractor does not conform to BIS codes, the same shall stand rejected and shall be removed from the site of work by the contractor at his cost within a week’s time from written orders from the Engineer-in-charge or his authorized representative to do so.

The steel reinforcement shall be brought to the site in bulk supply of 07 tonnes or more or as decided by the Engineer-in-charge or his authorized representative.
The steel reinforcement shall be stored by the contractor at site of work in such a way as to prevent distortion & corrosion and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking.

For checking nominal mass, tensile strength, bend test, re-bend test etc. specimen of sufficient length shall be cut from each size of the bar at random and at frequency not less than that specified below.

<table>
<thead>
<tr>
<th>Size of Bar</th>
<th>For consignment below 50 tones</th>
<th>For consignment over 50 tones</th>
</tr>
</thead>
<tbody>
<tr>
<td>Under 10 mm dia</td>
<td>One sample for each 7.00 tones</td>
<td>One sample for each 8.00 tones or part thereof</td>
</tr>
<tr>
<td>12 mm to 16 mm dia</td>
<td>One sample for each 7.00 tones</td>
<td>One sample for each 10.00 ones or part thereof</td>
</tr>
<tr>
<td>Above 16 mm dia</td>
<td>One sample for each 10.00 tones</td>
<td>One sample for each 10.00 tones or part thereof</td>
</tr>
</tbody>
</table>

The contractor shall supply free of charge the steel required for testing. The cost for which shall be borne by the contractor.

**DEFECT LIABILITY**

27. The contractor’s liability during the defect liability period from the final date of completion as per Clause 17 shall be limited to rectification of defects including replacement as follows which in the opinion of Engineer-in-Charge are not man made.

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Description</th>
<th>Defect Liability</th>
</tr>
</thead>
<tbody>
<tr>
<td>a)</td>
<td>Anti Termite Treatment</td>
<td>(i) Termites found if any till guarantee period to be rectified through post ATT.</td>
</tr>
<tr>
<td>b)</td>
<td>Concrete</td>
<td>(i) Rectification of structural/ superficial/ non-structural cracks,</td>
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<tr>
<td></td>
<td></td>
<td>(ii) Rectification of dampness/ seepage in roof slab/ junctions &amp; sunken portion,</td>
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<td></td>
<td></td>
<td>(iii) Rectification of cracks in beam, shade, column.</td>
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<tr>
<td>c)</td>
<td>Brick Work</td>
<td>(i) Rectification of cracks in panel wall/ portion.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(ii) Cracks/ settlement of dwarf walls.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(iii) Rectification of efflorescence.</td>
</tr>
<tr>
<td>d)</td>
<td>Joinery</td>
<td>(i) Replacement of warped joinery.</td>
</tr>
<tr>
<td>e)</td>
<td>Builders Hardware</td>
<td>(i) Repairs/ Replacement of loosened/ pre-mature failure of fittings.</td>
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<tr>
<td></td>
<td></td>
<td>(ii) Tightening/ Replacement of sag in mosquito proofing.</td>
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<tr>
<td>f)</td>
<td>Steel &amp; Iron work</td>
<td>(i) Rectification/ Replacement of defective part of rolling shutter.</td>
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<td></td>
<td></td>
<td>(ii) Redoing of defective portion in fabrication/ welding including painting.</td>
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<tr>
<td></td>
<td></td>
<td>(iii) Tightening/ Replacement of sag in mosquito proofing.</td>
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<tr>
<td>g)</td>
<td>Roof Treatment</td>
<td>(i) Rectification of leakage/ seepage of roof slab including covering at junction till guarantee period.</td>
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<tr>
<td></td>
<td></td>
<td>(ii) Cracks/ settlement of dwarf walls.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(iii) Rectification of efflorescence.</td>
</tr>
<tr>
<td>h)</td>
<td>Plastering</td>
<td>(i) Rectification of structural/ superficial crack, if any.</td>
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<td></td>
<td></td>
<td>(ii) Rectification of protruding/ peeling off plaster, if any.</td>
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<tr>
<td></td>
<td></td>
<td>(iii) Rectification of efflorescence.</td>
</tr>
<tr>
<td>S. No.</td>
<td>Description</td>
<td>Defect Liability</td>
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<td>----------------------------------------------------------------------------------</td>
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<td>(ii) Replacement of looking mirror if found wavy.</td>
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<td></td>
<td></td>
<td>(iii) Rectification of leakage of over head tanks.</td>
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<tr>
<td></td>
<td></td>
<td>(iv) Leakage/ seepage of sunken floor, blockage of taps/ pipes, non-functioning of cistern.</td>
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<td>j)</td>
<td>Finishes</td>
<td>(i) Making good of defective/ dissimilar patches of painting to match with remaining surfaces.</td>
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<tr>
<td>k)</td>
<td>Internal Water Supply</td>
<td>(i) Repair/ Replacement of defective taps/ fittings.</td>
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<td></td>
<td></td>
<td>(ii) Repair to leakage of GI water pipe lines including joints.</td>
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<td></td>
<td></td>
<td>(iii) Removal of blockage of GI pipe lines.</td>
</tr>
<tr>
<td>l)</td>
<td>Roads</td>
<td>(i) Repair of sinking portion of road &amp; potholes, if any.</td>
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<td>m)</td>
<td>Sewage</td>
<td>(i) Rectification of slope/ system if found defective during use.</td>
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<tr>
<td></td>
<td></td>
<td>(ii) Rectification of major blockage in Sewer lines.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(iii) Cracks &amp; settlement of sewage lines.</td>
</tr>
<tr>
<td>n)</td>
<td>Drains</td>
<td>(i) Repair of Drains.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(ii) Settlement of drains.</td>
</tr>
<tr>
<td>o)</td>
<td>External Water Supply</td>
<td>(i) Repairs to installations &amp; fittings.</td>
</tr>
<tr>
<td>p)</td>
<td>General</td>
<td>(i) All manufacturing defects of structures/ fixtures/ fittings/ equipments other than listed above.</td>
</tr>
<tr>
<td>q)</td>
<td>Synthetic Surface</td>
<td>Rectification of cracks, settlement or any other defects</td>
</tr>
</tbody>
</table>

28. The store aggregate for RCC.CC items shall be double screened and washed and shall comply with the grading requirement as specified in IS-383 (latest edition) for stone aggregate besides meeting other requirement as specified therein. If the contractor/ agency to use crushed aggregate nothing extra shall be paid on this account.

29. The contractor shall have to obtain Labour license from the Labour Commissioner (C), Chandigarh after getting the established registered under the Building and other Construction Act 1996.

30. The bidder shall have to give undertaking regarding constitution of the firm/ business i.e. whether proprietorship firm/ Partnership firm/ Limited Company/ Public Limited Company at the time of submission of tender and any change in the same at any stage shall be immediately intimated in writing to the Engineer-in-Charge. In case of partnership/ Limited/ Public Limited companies, the Article of Memorandum of Association shall be submitted by the bidder.

31. In case of failure or default in the performance or responsibilities or breach of terms and conditions of DNIT or agreement, necessary action as deemed fit shall be taken by the Competent Authority.

32. All design mix concrete shall be done using fully automatic batching plant conforming to IS 4925 of minimum 6 cum per hour capacity. The automatic batching pant shall be charged by devices when actuated by a single starter switch, will automatically start the weighing operation of each material (i.e. stone aggregate, sand, cement, water admixture etc) and stop automatically when designated weight of each material has been reached and also it should have rated capacity (in terms of concrete in single batch), it shall have control panel for operation of the batching plant complete with printing facility.

33. The contractor shall be free to use ready mix concrete (RMC) in place of batch mix concrete at his own cost. The contractor shall ensure that transit mixtures shall transport the concrete to site. All the precautions shall be taken during the transportation and handing of concrete to achieve the desire strengthen, durability etc as envisaged in the Mix Design.
SECTION XI  
SUPPLEMENTARY SPECIAL CONDITIONS

1. The preparation and consolidation of sub grade with road roller will be done by contractor at his own cost. Nothing extra shall be paid for this work particularly for Basket Ball and Volleyball court.

2. It shall be ensured prior to actual execution that the borrow area material to be used in the sub-Grade satisfies the requirement to design CBR (not less than 5%, under soaked condition).

3. Sub-grade shall be compacted and finished to the design strength consistent with other physical requirements. The actual laboratory CBR values of constructed sub-grade shall be determined on remolded sampled IRC 37-1984 shall be referred to for details.

4. The Bitumen shall be arranged by the agency himself from govt approved source and stock of the same shall be checked with proof of its purchase from Engineer-in-Charge.

5. The contractor shall propose different size and percentage of coarse and fine aggregate along with bitumen which shall be learned as job mix formula from Govt Approved laboratory at his own cost confirming to provision to clause 507.33 of MORT&H specifications and the same shall be approved from the Engineer-in-Charge.

6. For bases and surface courses (Bituminous), the material, mix design and construction operation shall confirm the section 500 of MORT&H specifications.

7. The contractor shall start laying work only after achieving the required mixing and temperature of the mix and the same shall be got duly checked from Engineer-in-Charge or authorized by the Engineer-in-Charge.

8. If due to over heating or under heating of bitumen proper mixing is not obtained then work shall be rejected and shall have to be removed and re-laid. No extra payment on this account will be allowed.

9. Surface of tack coat shall be swept clean and free from dust and any extraneous material with high pressure air jet or by other means as directed by the Engineer-in-Charge.

10. The percentage of bitumen for bituminous surface courses, as mentioned in the description of items is only for the reference of contractors to quote their rates. However, the actual percentage of bitumen shall be as approved job mix formula. The variance in actual percentage of bitumen used shall be assessed and payment adjusted up or down accordingly. The permissible variation form the job formula shall be as per 500.13 of MORT&H (Ministry of Road Transport and Highways) specifications. If the variation of various ingredients is more than permissible, the work is liable to be rejected. In case of actual consumption of bitumen (based on extraction less) is less than approved job mix formula but within the permissible limit, then the recovery shall be made on account of less quantity of bitumen used. However, if the actual consumption of bitumen based on extraction test is more than the job mix formula but within the permissible limits then nothing extra shall be paid on account of excess quantity of bitumen used than job mix formula.

11. The bituminous material will be mixed at hot mix plant with computerized control panel at Chandigarh or within a distance of 25 kilometers from the farthest point of work owned by the Agency and the proof for the same be uploaded during the time of bid submission.

12. The agency should quote the rate in figures as well as in words on the Schedule of Items supplied to the Agency.

13. The quantities of items as detailed are tentative and can be increased/ decreased as per actual requirement at site by Engineer-in-Charge.

14. The work shall be carried out as per CPWD/ MORT&H (Ministry of Road Transports and Highways) specifications latest edition, if any item is not available in the CPWD, relevant ISI (India Standard Institute) specification shall be followed.

15. Rate for the items are inclusive of all the labour, T&P, incidental and over head charges, contractor profit unless otherwise specified. The contractor shall quote the rates accordingly.

16. Royalty of the prevalent rates and all other incidental expenditure shall have to be paid by the contractor on the boulder, metal, shingle, earth, sand, bajri etc collected by him for the execution of work direct to the concerned Revenue Authority of the State or Central Govt. His rates are deemed to include all such expenditure and nothing extra shall be paid.
17. The contractor or his authorized representative should always be available at the site of work to take instructions from the Engineer-in-Charge and ensure proper execution of work. No work should be done in absence of such authorized representative.

18. Any material left at site one month after completion of work shall become the property of the institute and no payment shall be made to the contractor for the material.

19. Contractor is at liberty to remove from site of work any material which has been issued to him for use the work without written permission of the Engineer-in-Charge.

20. The test certificate from Factory/ Test lab will be supplied by the Agency along with each consignment of material for work. The Engineer-in-Charge has every right to collect the sample from the site and get the same tested from reputed/ Govt Test Laboratories at any time on the behest of contractual Agency. In case the Agency failed to set up the lab where all the physical tests at site and relevant laboratory tests can be conducted then Engineer-in-Charge will get at the relevant tests conducted from govt. approved lab at the risk and cost of the Contractual Agency to ensure the quality of work as per DNIT.

21. Any error in Description, Quantity or Rate in Schedule of Quantities or any omission there of shall not vibrate the contract or release the Contractor from the Execution of the whole or any part of the work comprised therein accordingly to drawing and specifications or from any of his obligations under the contract.

22. If there are varying or conflicting provision made in any documents forming part of the contract, the accepting authority shall be the deciding authority with regard to interpretation and his decisions shall be final and binding on the contractor/agency.
LIST OF FIELD TESTS

(A) Particle size and shape.
(B) Slump test.
(C) Flakiness & Elogation index tests.
(D) Compressive strength (concrete or bricks) test.
(E) Rebound Hammer Test.
(F) Bulking of sand.
(G) Silt content of sand.
(H) Temperature measuring with thermometer with brass protected end 0-220° C.
(I) Bituminous Content.
(J) Density.
(K) Physical Test of Cement.

FIELD TESTING EQUIPMENT AND INSTRUMENTS

A. Testing Equipment at Field Laboratories

1. Balances
   i. 7 kg to 10 kg capacity, Semi-self indicating type accuracy 10gm.
   ii. 500 gm capacity, Semi-self indicating type accuracy 1 gm.
   iii. Pan balance-5 Kg. Capacity, accuracy 10gm.

2. Sieves : as per IS 460-1962.
   i. I.S. Sieves – 450mm internal dia of sizes 100mm, 80mm, 83mm, 50mm, 40mm, 25mm, 20mm, 125mm, 10mm, 63mm, 3.75mm complete with lid and pa.
   ii. I.S. Sieves – 200mm internal dis (brass frame) consisting of 2.36mm, 1.18mm, 600 microns, 425 microns, 300 microns, 212 microns, 150 microns, 90 microns, 75 microns with lid and pan.

3. Sieve shaker capable of 200 mm and 300mm dia sieves, manually operated with timing switch assembly.

4. Equipment for slump test- slump cone, steel plate, tamping rod, steel scale, scoop.

5. 100 tonnes compression testing machine, electrical-cum manually operated.


7. Enamel trays (for efflorescence test for bricks and other tests)
   i. 300mm x 250mm x 40 mm
   ii. Circular plates of 250mm dia.
   iii. 600mm x 450 mm x 500mm
   iv. 450mm x 300mm x 40mm

8. ISI marked 150 x 150 x 150mm concrete cube moulds as per site requirement.

9. Graduated cylinder 1000 ml capacity.
B. **Field Testing Instruments**

(a) Steel tapes – 3m.
(b) Venire calipers.
(c) Micrometer Screw 25mm gauge.
(d) A good quality plumb bob.
(e) Spirit level minimum 30 cms long with 3 bubbles for horizontal vertical.
(f) Wire gauge (circular type) disc.
(g) Foot rule.
(h) Long nylon thread.
(i) Rebound hammer for testing concrete.
(j) Ultrasonic pulse velocity meter.
(k) Magnifying glass.
(l) Screw driver 30 cm long.
(m) Ball Pin hammer, 100gms
(n) Plastic bags for taking samples.
(o) Digital Distance meter.
(p) Leveling machine.
(q) Theodolite.

**ESSENTIAL T&P/ MACHINERY FOR THIS WORK TO BE ARRANGEMED/ INSTALLED AT SITE OF WORK BY THE CONTRACT.**

1. __________________ 2. __________________ 3. _____________

**PERFORMA FOR TESTS CARRIED OUT**

NAME OF THE WORK: ________________

Agreement No. & Date: ________________

<table>
<thead>
<tr>
<th>Sl No.</th>
<th>Item</th>
<th>Quantities as per agreement</th>
<th>Frequency as per specification</th>
<th>No. of tests required</th>
<th>R.A. Bill</th>
<th>Up to date quantity</th>
<th>No of tests required</th>
<th>No of tests actually done</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
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<tr>
<td>S. No.</td>
<td>Material</td>
<td>Preferred Make</td>
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</tr>
<tr>
<td>1</td>
<td>Ordinary Portland (43 grade)/ Puzzoloma Cement (Grey)</td>
<td>ACC, L&amp;T, Gujarat Ambuja, Birla, UltraTech, JK, Lakshmi</td>
<td></td>
<td></td>
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<tr>
<td>2</td>
<td>White Cement</td>
<td>Birla White/ J.K. White</td>
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<tr>
<td>3</td>
<td>Water Proofing Compound</td>
<td>Fosroc, Cico, Pidilite, Sika, Asian</td>
<td></td>
<td></td>
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<tr>
<td>4</td>
<td>M.S. Pipe</td>
<td>Tata, Jindal (Hisar), Parkash Steel Tubes, Bhushan Industries (ISI marked)</td>
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<tr>
<td>5</td>
<td>Synthetic Enamel Paint</td>
<td>ICI Dulux, Nerolac, Asian/ Berger Paints</td>
<td></td>
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<tr>
<td>6</td>
<td>Steel Primer</td>
<td>ICI, Nerolacs, Asian/ Berger Paint.</td>
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<tr>
<td>7</td>
<td>Ceramic/ Glazed Tiles</td>
<td>Kajaria, NITCO, RAK, Johnson</td>
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<td>8</td>
<td>Vitrified Tiles</td>
<td>Kajaria, NITCO, RAK, Johnson</td>
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<tr>
<td>9</td>
<td>Dash/ Anchoring Fasteners</td>
<td>HIL TI/ Fischer</td>
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<tr>
<td>10</td>
<td>Nuts/ Bolts &amp; Screws</td>
<td>GKW, Atul</td>
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<td>11</td>
<td>Pavers</td>
<td>NTC/ Vyara/ Super Tiles</td>
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<td>12</td>
<td>RMC</td>
<td>ACC, UltraTech/ JK</td>
<td></td>
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<tr>
<td>13</td>
<td>Wooden Flooring</td>
<td>Amutone, Pergo, Armstrong</td>
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<td></td>
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<tr>
<td>14</td>
<td>Hard Wood Maple Flooring</td>
<td>Action (USA), Robbin (USA)</td>
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<td>15</td>
<td>Wall Putty</td>
<td>J. K, Birla, Asian</td>
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<tr>
<td>16</td>
<td>Vinyl Flooring</td>
<td>Armstrong, LG</td>
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<tr>
<td>17</td>
<td>Synthetic surfaces for sports courts</td>
<td>Acryflex, Latex, Courtsol or cosali</td>
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### DEVELOPMENT OF SPORTS INFRASTRUCTURE

<table>
<thead>
<tr>
<th>S. No</th>
<th>Description of items</th>
<th>Total Qty</th>
<th>Unit</th>
<th>Rate</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.</td>
<td>25</td>
<td>Cum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level.</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)</td>
<td>21.28</td>
<td>Cum</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size)</td>
<td>44.15</td>
<td>Cum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.</td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Thermo-Mechanically Treated bars of grade Fe-500D or more.</td>
<td>277</td>
<td>Kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) :</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>With F.P.S.(non modular) bricks</td>
<td>58.38</td>
<td>Cum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>12 mm cement plaster of mix :</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1:6 (1 cement: 6 fine sand)</td>
<td>241.98</td>
<td>Sqm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)</td>
<td>241.98</td>
<td>Sqm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earthwith lead upto 50 metres.</td>
<td>250</td>
<td>Sqm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Description</td>
<td>Quantity</td>
<td>Unit</td>
<td></td>
<td></td>
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<tr>
<td>8</td>
<td>52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete</td>
<td>250</td>
<td>Sqm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Providing and laying spreading and compacting Granular Sub Base material 150mm thick compacted layers of natural sand, morrum, gravel crushed stone or combination thereof as per MORT&amp;H specification, confirming to clause 401 coarse graded grading-III as per table 400-1 of MORT&amp;H specification (5th edition), including spreading including preparing sub grade with the help of tractor with planner of adequate capacity maintaining the required slope and grade during operation, rolling with road roller 8-10 tone with the grade and cross fall (camber) to be checked and any high spot or depressing which becomes apparent, corrected by removing or adding fresh material, including cost of tools and plants, carriage of material from stacks, templates, barrier, lighting arrangement at night, chowkidar and maintenance of diversion etc complete in all respect as per MORT&amp;H specifications, density of GSB as laid 2 gms/cc &amp; to the entire satisfaction of Engineer-in-Charge.</td>
<td>143.34</td>
<td>Cum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Construction of Wet Mix Macadam to confirming to clause 406 of MORT&amp;H specification (5th edition) having as laid, density of 2.2gm/cc by providing laying, spreading and compacting clean, crushed aggregate and granular material (taking 3.30 cum material for 10 sqm area) conforming to Table 400-12 (Physical characteristics) and Table 400-13 (grading) of MORT&amp;H specifications (5th edition). The material shall be premixed with water at OMC in Mixing Plant/Pan type mixer/Pug Mill and mixed material carried to site by tippers and spread uniformly and evenly on the prepared sub base/base by paver finisher of adequate capacity and all high and low spots remedied by removing or adding aggregate, as required and rolled with 8-10 tones roller to achieved/desired density. It shall included the cost of tools and plants, carriage of material from stacks, templates, barriers, safety temporary warning lamps at night, chowkidar, maintenance of diversion etc. Complete in all respects as per MORT&amp;H specification, drawings and the instruction of Engineer-in-Charge.</td>
<td>143.34</td>
<td>Cum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per MORT&amp;H specifications.</td>
<td>1433.48</td>
<td>Sqm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No.</td>
<td>Description</td>
<td>Quantity</td>
<td>Unit</td>
<td></td>
<td></td>
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<tr>
<td>12</td>
<td>Providing and laying bituminous Macadam with mechanical paver after mixing aggregates and bitumen as per design mix in Hot Mix Plant using 3.3% (by weight of total mix) bitumen VG-30 of total mix with aggregates confirming to requirement laid in table 500-8 and as per grading-II specified in table 500-7 complete as per clause No. 504 of MORT&amp;H specification (5th edition), rolling with smooth wheeled, vibratory and tandem rollers as per clause 501.6 and 500.7 to achieve the desire density of bitumen macadam as laid 2.2 gm/cc &amp; to the entire satisfaction of Engineer-in-Charge.</td>
<td>57.32</td>
<td>Cum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Providing and laying Tack Coat with bitumen VG-10 using sprayer @ 3.0kg/10 sqm on prepared bituminous surface, heating bitumen in boiler and spraying the bitumen with spray set fitted on bitumen boiler including cleaning of road surface with complete in all respect as per clause 503 of MORT&amp;H specification (5th revision) and to entire satisfaction of Engineer-in-Charge.</td>
<td>1433.48</td>
<td>Sqm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Providing and laying 20mm thick bituminous concrete as per clause 507 of MORT&amp;H specification with mechanical paver after mixing aggregate and bitumen as per design mix in Hot mix plant using minimum 5.4% bitumen of grade VG-30 and using both coarse and fine aggregate filler stone dust @ 2% by weight of aggregate confirming to relevant specification laid in MORT&amp;H specification clause 507.2.2 and 507.2.2 and 507.2.3 with grading confirming to table 500.17 gradation-II of MORT&amp;H specification and density of bituminous concrete as laid 2.35 gm/cc complete in all respect as per MORTT&amp;H specification and to entire satisfaction of Engineer-in-Charge.</td>
<td>28.66</td>
<td>Cum</td>
<td></td>
<td></td>
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<tr>
<td>15</td>
<td>Providing and laying seal coat of premixed fine aggregate (passing 2.36 mm and retained on 180 micron sieve) with bitumen using 128 kg of bitumen of grade VG - 10 bitumen per cum of fine aggregate and 0.60 cum of fine aggregate per 100 sqm of road surface, including rolling and finishing with road roller all complete.</td>
<td>1433.48</td>
<td>Sqm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Providing and lying synthetic cushioned acrylic surfacing system (Acryflex, Latex, Courtsol or Casali of international level (outdoor) duly approved by ITF of classification-III manufactured by the company on international repute with following Eight layers of synthetic cushioned surfaceing material including making of court lines (a) 1 Layer for filter/ Resurfacer. (b) 5 Layers of cushion (c) 2 layers of colour coats. (d) Court line marking</td>
<td>1433.48</td>
<td>Sqm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Basketball Pole 22 Cm (8”) round pipe with Acrylic Board (25mm), Ring and Net</td>
<td>1</td>
<td>Poles</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.</td>
<td>870</td>
<td>Kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works</td>
<td>490</td>
<td>RM</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Description</td>
<td>Qty</td>
<td>Unit</td>
<td></td>
<td></td>
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<tr>
<td>21</td>
<td>Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Two or more coats on new work</td>
<td>20</td>
<td>Sqm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Supply of 100W LED Flood Lights made of Die Cast Aluminium housing. Make - Havells</td>
<td>8</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Supply of 4 x 16 sqmm aluminium armoured cable.</td>
<td>100</td>
<td>Meter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Earthing with G.I. earth pipe 4.5 metre long. 40mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required</td>
<td>2</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15mm dia G.I. pipe from earth electrode including connection with GI thimble excavation and re-filling as required</td>
<td>10</td>
<td>Meter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.</td>
<td>100</td>
<td>Meter</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total**

(Signatures of the Tenderer)