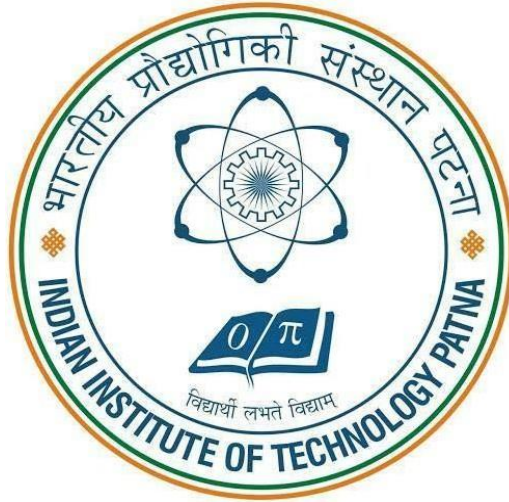




INDIAN INSTITUTE OF TECHNOLOGY PATNA

Name of Work: - Repair, Maintenance, and Upgradation of Existing Sports Infrastructure Facilities at IIT Patna

July - 2026

TENDER DOCUMENT

INDIAN INSTITUTE OF TECHNOLOGY, PATNA
Bihta, Patna-801106 (Bihar)

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INDIAN INSTITUTE OF TECHNOLOGY, PATNA

Bihta, Patna-801106 (Bihar)

1. NOTICE INVITING E-TENDER

Indian Institute of Technology Patna, invites E- tender (item rate) on prescribed tender documents under Two bid system (Technical and Financial Bid) for the work of ‘Repair, Maintenance, and Upgradation of Existing Sports Infrastructure Facilities at IIT Patna’ from the eligible Manufacturers /Firms/Contractors who have executed similar nature works in any Central / State Government /PSU and who fulfill other eligibility criteria of Tender Document. Tender notice available on www.eprocure.gov.in/eprocure/app, www.iitp.ac.in

a)	Bidding Document No.	IITP/SPORTS/2026-27/BID/01
b)	Name of Work	Repair, Maintenance, and Upgradation of Existing Sports Infrastructure Facilities at IIT Patna
c)	Estimated cost put to the Tender	Rs. 5,18,73,154/- (Rupees Five crore eighteen lakh seventy-three thousand one hundred fifty-four rupees and zero paisa only).
d)	Time Period	9 months
e)	Cost of Tender document.	NIL
f)	Earnest Money Deposit (EMD)	Earnest money Deposit (EMD) of Rs 10,37,462/- (Ten lakh thirty-seven thousand four hundred sixty-two rupees and zero paisa only) to be deposited in the Institute’s account through SBI i-collect and the receipt of submission is to be uploaded along other technical bid documents. For details regarding submission of EMD, the webpage with following link may be visited: https://www.iitp.ac.in/images/pdf/snp/SBI%20I-Collect.pdf Alternatively, the bidders may provide DD in favour of Registrar, IIT Patna. Original DD should be submitted by bidder before last date of submission of bid.
g)	Date and Time for Issue	05.00 PM on 03.07.2026
h)	Bid Submission Start Date and Time	05.00 PM on 03.07.2026
i)	Bid Submission End Date and Time	05.00 PM on 29.07.2026
j)	Date and Time for Opening of Bids (Technical bid)	05.00 PM on 30.07.2026

k)	Date and Time for Opening of Bids (Financial bid)	To be intimated later
l)	Validity of Offer	180 days from the date of opening of price bid
m)	Address for Communication	Registrar Indian Institute of Technology Patna, Kanpa Road, Bihta, Patna-801106 E-mail: - registrar@iitp.ac.in

The tender document can be downloaded from website. Corrigendum, if any would appear on the www.eprocure.gov.in/eprocure/app and IIT Patna website. IIT Patna reserves the right to reject any or all the tenders in part or full without assigning any reasons thereof.

2. INSTRUCTIONS FOR ONLINE BID SUBMISSION

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal. More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>

REGISTRATION

1. Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link “Online bidder Enrollment” on the CPP Portal which is free of charge.
2. As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
3. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
4. Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.
5. Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC’s to others which may lead to misuse.
6. Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

SEARCHING FOR TENDER DOCUMENTS

1. There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.
2. Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective ‘My Tenders’ folder. This would enable the CPP Portal to intimate the bidders through SMS / email in case there is any corrigendum issued to the tender document.
3. The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS

1. Bidder should take into account any corrigendum published on the tender document before submitting their bids.
2. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
3. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
4. To avoid the time and effort required in uploading the same set of standard documents which are required

to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Space” or “Other Important Documents” area available to them to upload such documents. These documents may be directly submitted from the “My Space” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

Note: My Documents space is only a repository given to the Bidders to ease the uploading process. If Bidder has uploaded his Documents in My Documents space, this does not automatically ensure these Documents being part of Technical Bid.

SUBMISSION OF BIDS

1. Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
2. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
3. Bidder has to select the payment option as “offline” to pay the tender fee / EMD as applicable and enter details of the instrument.
4. Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of the BG/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.
5. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.
6. The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
7. All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid opener’s public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
8. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
9. Upon the successful and timely submission of bids (i.e. after Clicking “Freeze Bid Submission” in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
10. The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

ASSISTANCE TO BIDDERS

1. Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
2. Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may

be directed to the 24x7 CPP Portal Helpdesk.

3. INFORMATION AND INSTRUCTIONS FOR BIDDER

INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e- TENDERING FORMING PART OF NIT AND TO BE POSTED ON WEBSITE

- a. Information and instructions for Contractors will form part of NIT and to be uploaded on <http://www.eprocure.gov.in/eprocure/app>, IITPATNA website.
- b. The bid document consisting of scope of works and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website <http://www.eprocure.gov.in/eprocure/app>. But the bid can only be submitted after uploading the mandatory scanned documents as per Eligibility Criteria.
- c. The Draft information and instructions to Contractors may be modified suitably by NIT approving authority as per requirement.
- d. The bidder must ensure to quote rate for each item separately in the specified column. If any column of rate against any item remains left blank by the bidder, it shall be treated that the bidder has quoted nil rate for that and the item will be executed by the bidder free of cost.
- e. IIT Patna shall not be responsible for non-receipt bid due to internet issues or any other reasons.
- f. The work is estimated to cost Rs. 5,18,73,154/-. This estimate however, is given merely as a rough guide.
- g. Tender documents consisting of specifications, schedule of quantities of the various classes of work to be done and the set of terms & conditions of contract to be complied with by the contractor whose tender may be accepted and other necessary documents can be seen on website <http://www.eprocure.gov.in/eprocure/app>.
- h. The information and instructions for tenderers / bidders posted on the web-site shall form part of bid/tender documents.
- i. The bid can only be submitted after scanning and uploading the mandatory details within the period of tender submission as per critical data sheet.
- j. The Contractor, whose tender is accepted, will be required to furnish performance guarantee of 5 % (Five Percent) of the tendered amount within the specified period. The period of performance guarantee will be 15 months from award of work order. The performance guarantee will be return after successful defect liability period of 12 months. This guarantee shall be in the form Direct credit/ Banker's cheque of any scheduled bank / DD of any scheduled bank. In case the contractor fails to deposit the said performance guarantee within the period, including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.
- k. This Notice Inviting Tender shall form a part of the contract document. The successful tenderer/ contractor on acceptance of his tender by the Accepting Authority, shall sign the contract Agreement consisting of the notice inviting tender and all the documents. Also, contractor shall submit Integrity pact as per format.
- l. There shall be defect liability period of 1 Years from date of successful completion/handover. During defect liability period, contractor has to rectify/replace defected items.
- m. Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves

before submitting their tenders 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 tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderer 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 tender by a tenderer 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.

- n. This tender is being invited in compliance with Rule 144 (xi) of GFR Rules, 2017.
- o. The bidders are required to furnish a self-certificate regarding the items meeting local content requirement as per PP MII Policy.
- p. Any incidental/small work, which are necessary to complete the item in all respect will be done by contractor without any extra cost as per decision of E-in-Charge.
- q. Contractor has to submit the procurement details (Purchase invoice, MTC etc) if desired as per instruction of E-In-C.
- r. The competent authority does not bind itself to accept the lowest or any other tender and reserves the right to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.
- s. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
- t. Tender for the works shall remain open for acceptance for a period of 90 days from the date of opening of tenders. If any tenderer 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 tender which are not acceptable to the Institute, then the Institute shall, without prejudice to any other right or remedy, shall not be allowed to participate in the re-tendering process of work.
- u. In case the contractor fails to commence the work specified in the tender documents on 7th day or such time as may be mentioned in the letter of award or from the date of handing over the site wherever is later, the Institute shall, without prejudice to any other right or remedy, be at liberty to forfeit whole of the earnest money absolutely.
- v. The bidders may contact to Registrar, IIT Patna registrar@iitp.ac.in for any clarification during the office hrs.
- w. The Bidder(s) may note that ONLINE BIDS will only be accepted. All the requisite supporting documents mentioned in the bid document should and must be uploaded. The Bids sent through FAX, E-mail, by hand and/or by post shall not be accepted/ processed in any case.
- x. In case, holiday is declared by the Government on the day of opening the bids, the bids will be opened on the next working day at the same time. The IITP reserves the right to accept or reject any or all the tenders.
- y. Conditional tenders will be summarily rejected.

4. ELIGIBILITY CRITERIA:

Contractors/ vendors who fulfill the following requirements shall be eligible to apply.

Eligibility criteria: -. Applications from consortium/ joint ventures shall not be accepted. Experience of only the bidding entity shall be considered.

The applicant has successfully completed following works during last five (05) years as prime contractor not as joint venture with Centra l/ State Government Organization / Central Autonomous Body / Public Sector Undertaking.

(i) One *similar completed work costing not less than the amount equal to 80% of the estimated cost.

OR

(ii) Two *similar completed works costing not less than the amount equal to 60% of the estimated cost.

OR

(iii) Three *similar completed works costing not less than the amount equal to 40% of the estimated cost.

- Similar work” shall mean ‘Successful completion of sports infrastructure project involving supply and installation of synthetic sports surfaces including Indoor/Outdoor facilities and certified by any international sports federation (WA/FIFA/FIH/FIVB/IHF/FIBA). Proof to be submitted at the time of bid submission such as work order, completion certificate, and international federation approval certificate. The proposed product should be of American, European, Australian, Indian origin only.
- For Outdoor Basketball and Volleyball proposed product must be of 16 mm total thickness with base layer of 8mm thickness and top layer of 8mm thickness respectively. The product series should have been approved by FIBA and World Athletics/IAAF approved lab tested. FIBA Certificate of Approval and test report should be submitted with the technical bid. The VOC (Volatile Organic Compound) content in the product should be under permissible level (environment friendly). VOC certificate (according to DIN V 18035-6) to be submitted at the time of tender submission.
- For indoor synthetic sports flooring, the proposed product must be of 12 mm total thickness with base layer of 10mm thickness and top layer of 2mm thickness respectively. The product series should have been approved by FIBA, FIVB, BWF, IHF and Certificate of Approval should be submitted with the technical bid. The proposed sports surfacing product should be environment compatible for indoor usage/ outdoor and must be in conformity with the acceptable VOC norms as per DIN-V 18035-6. Lab test report.
- The bidder should have never been blacklisted by any central or state governments departments in India. Affidavit in this regard should be submitted along with the technical bid.
- Joint ventures and consortium are not accepted.
- The bidder in its name should have an authorization certificate from the manufacturer of the proposed product to bid for this specific work, without which their bids shall stand summarily disqualified.
- The bidder should demonstrate at least one project of value no less than Rs. 5Cr. Which included an internationally certified sports facility (WA/FIFA/FIH/FIVB/IHF/FIBA) which has successfully completed minimum 5 years period without any damage. An experience certificate issued by any government client should be enclosed with the technical bid.

5. LIST OF DOCUMENTS TO BE UPLOADED FOR TECHNICAL ELIGIBILITY

- a) Scanned copy of receipt of EMD of Rs 10,37,462/-.
- b) Scanned copy of Experience certificates as defined in eligibility criteria.
- c) Scanned copy of GST No and Scanned copy of Pan Card.
- d) Scanned copy of Audited Annual Accounts for Financial Years 2022-23, 2023-24 & 2024-25. Average Annual Turnover for last three financial years i.e. 2022-23, 2023-24 & 2024-25 should not be less than estimated amount (Rs 5,18,73,154/-).

- e) Scanned copy of EPF & ESI Registration Certificate (If not applicable- than please submit Notarized undertaking that you are exempted from ESIC and/or EPF requirement).
- f) Bidder should not be blacklisted by any Government Department during last three (03) years. Notarized Undertaking to be submitted by bidder.
- g) Local content self-certificate as per PP MII Policy.
- h) Declaration of abiding Rule 144 (xi) of the General Financial Rules (GFR), 2017
- i) Scanned copy of Annexure-1,3,4,5.
- j) Pre-Contract Integrity Pact undertaking that all the items supplied/installed as per the technical specification laid down in the document.

Note: - Technical Bid will be evaluated along with above mentioned documents / credentials

6. GENERAL TERMS AND CONDITIONS

- 1) Engaged manpower should not be paid less than minimum wages and allowances notified by Govt. time to time. Wage payment details of engaged manpower should be furnished to IITP when asked. Agency must follow the all labor relevant act and regulation.
- 2) At any stage, if it is opined by IIT Authority that the agency is not performing satisfactorily as per system requirement, IIT reverses right to terminate the contract as deemed fit after giving 7 days' notice. In such a situation, IIT may engage another agency on contractor's Risk and Cost. The security deposit of the agency will be forfeited by the Institute, if agency leaves the contract before contract ending period or non-completion of the full contract.
- 3) All safety measures will be the responsibility of agency at their own cost. The agency will be solely held responsible for any accident occurring due to non-compliances of safety measures.
- 4) IITP reserves the right to reject any tender/bid wholly or partly without assigning any reason.
- 5) IITP shall have the right to verify the particulars furnished by the bidder independently.
- 6) Additional conditions specifications, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
- 7) The bid submitted shall become invalid if:
 - (i) The bidder is found ineligible.
 - (ii) The bidder has not submitted taxation authority's registration certificate and labour law registration certificate such as service tax/ GST/CST /ESIC/EPF etc. as stipulated in the bid Document. (If applicable)
- 8) The acceptance of a tender will rest with the Competent Authority IIT Patna who does not bind him to accept the lowest tender and reserves to himself the, authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed conditions are not fulfilled or are incomplete in all respects are liable to be rejected.
- 9) The rates quoted against work should be for the complete finished item of Work and include all labour, material, taxes, overhead, duties, cess, insurance etc. Any tax in respect of this Contract shall be payable by the contractor and IITP will not entertain any claim whatsoever in this respect, so the rates are to be quoted inclusive of all taxes.

7. LIST OF PREFERRED MAKES:

Sl. NO.	DESCRIPTION	APPROVED MAKES
1	EWC seat covers	HINDWARE/ PARRYWARE/ CERA/ KEROVIT
2	C.P brass fittings/ Accessories	JAQUAR/ MARC/ KOHLAR/ KEROVIT
3	PVC Seat Cover	PRAYAG/ POLYTUF/SHAKTI/ PEARL
4	PVC Fittings/ Accessories	PRAYAG/ PRIMA/SHAKTI/ PEARL
5	Cement (Grey) OPC/ PPC Grade-43	ACC/ L&T/JK/ BIRLA/ULTRA TECH/ VIKRAM
6	Cement (White)	J.K/ BIRLA
7	Reinforcement Steel	PRIMARY MANUFACTURERS APPROVED BY MINISTRY OF STEEL/ SECONDARY MANUFACTURERS HAVING VALID BIS LICENSE (to be as per latest BIS provisions)
8	Structural Steel	PRIMARY MANUFACTURERS APPROVED BY MINISTRY OF STEEL/ SECONDARY MANUFACTURERS HAVING VALID BIS LICENSE (to be as per latest BIS provisions)
9	Stainless Steel (Grade 304)	JINDAL/ SAIL/ SALEM
10	Bricks	COMMERCIALLY AVAILABLE OR REQUIRED STRENGTH
11	Aluminum Sections	HINDALCO/ JINDAL/ MAHAVIR
12	Flush doors	CENTURY/ MERINO/ DURO BOARD/ GREEN
13	Laminates	GREENLAM/ DURO/ ARCHID/ MERINO/ CENTURY
14	Glass	SAINT GOBAIN/ MODI FLOAT/ ASAHI FLOAT
15	Ceramic Glazed tiles/ Border tiles	1ST QUALITY KAJARIA/ NITCO/ JOHNSON/ ORIENT/ SOMANY
16	Vitrified Tiles	JOHNSON/ KAJARIA/ ORIENT/ SOMANY
17	Interlocking Precast paver blocks/ Kerb Stone	HINDUSTAN TILES/ SWASTIK/ DALAL
18	Stainless Steel Hinges	JOLLY/ GARG/ AMIT/ ASJ/ SUPREME
19	Stainless Steel Nuts/ Bolts/ Screws	KUNDAN/ PUJA/ ATUL/ GKW
20	Paint/ primer/ oil bound distemper/ Acrylic paint/ plastic paint	1ST QUALITY PAINTS OF ASIAN/ BERGER/ NEROLAC/ SHALIMAR /DULUX
21	Water Proof Cement Paint/ Exterior Paint	1ST QUALITY PAINTS OF ASIAN PAINTS/ BERGER/ NEROLAC/ SHALIMAR /DULUX
22	Sanitaryware (Vitreous China) (European Seats, Urinals, Wash Basins, etc.)	HINDWARE/ PARRYWARE/ CERA/ KEROVIT
23	G.I Pipes	TATA / JINDAL(HISSAR)/ BHUSHAN/ APL APPOLO
24	G.I Fittings	UNIK/ ZOLOTO/ AM
25	Stainless Steel Sink	NEELKANTH/ JAINA/ KINGSTON (COBRA)
26	Commercial Board/ PLY	MERINO/ DURO/ GREEN/ CENTURY/ KIT (SWASTIK)
27	CI Pipes/ Fittings	RIF/ NECO/ BENGAL IRON WORKS/ BC/ SKF
28	CI Pipes "Class LA"	NICO/ KESORAM/ ELECTRO STEEL/ KAPILANSH
29	Floor Spring	DORMA/ GODREJ/ HAFELE/ GEZE/ OZONE
30	Door Closer	SANDHU/ HARDWIN/DORMA/ GODREJ/ HAFELE/ GEZE/ OZONE
31	Mirror	ATUL/ MOIGUARD / SAINT GOBAIN/ AASHI

32	Vertical Blinds	VISTA/ MAC/ MARVEL DÉCOR/ SAINT GOBAIN/DECK DÉCOR
33	False Ceiling	ARMSTRONG/ SAINT GOBAIN/ META WORTH
34	Water proofing compound	SIKA/ FOSROC/ PIDILITE/ ASIAN/BASF/CICO
35	Particle Board	NOVA PAN/ BHUTAN BOARD/ ECO BOARD
36	Adhesive	FEVICOL/ VAMICOL/ DUNLOP/ VAM ORGANIC / kajariya
37	Tile Adhesive	PIDILITE/ FERROUSCRETE/ BALLENDURA/ CICO
38	Wall Putty	BIRLA /JK/ SARA
39	Epoxy Grout	BALLENDURA / KERAKOLL/ FERROUSCRETE
40	PVC Water storage tank (ISI marked)	SINTEX/ UNI PLAST/ POLYWELL
41	PVC insulated Water storage tank Heavy Duty 4/5 layer	SINTEX/ UNIPLAST/ POLYWELL/ EURO
42	Brass Ball Valve/ Gate Valve/ Float Valve / Butterfly valve	ZOOTO/ AM/ LEADER/ SANT
43	Aluminium Door fittings	CLASSIC/ EVEREST/ ARGENT
44	Brass Bib/ Stop cock	AGI/ ELITE/ SHAKTI/ SANT/ LEADER/ PRIMA
45	Thermoplastic paint	CBM/ CMS/ S.N. INDUSTRIES
46	Plaster of Paris Putty	ADHASHREE/ SHREE RAM/ J.K/ BIRLA
47	RCC Pipe	LAKSHMI/ SOOD & SOOD/ JAIN &Co./ DIWAN SPUN PIPES
48	PVC Pipe	PRAKASH/ PRINCE/ SUPREME
49	Sandwich Roof Panel (Puff Panel)	KAKTUS/ ZEP/ E- PACK/ LLOYED
50	WPC Board and MPC Board	FLORESTA, ECOSTE, RAJ SHREE
51	WPC Door Frame	FLORESTA, ECOSTE, RAJ SHREE
52	Self- Closing Hinges	HETTICH, KITCH, PLUM
53	Poly Carbonate Sheet	GE LEXAN/ POLYGAL/TUFLITE
54	ACP Panel	ALSTRONG /ALUCOBOND/ EUROBOND/ ALUDECOR
55	Acoustic Wooden/Fabric Paneling	ARMSTRONG / ANUTONE/ CREDENCE / TOPAKUSTIC
56	Polyvinyl Flooring	ARMSTRONG / POLY FLOR/ TARKETT
57	Glow Stud, Solar Power Stud	ROAD STAR/ 3M/ DARK EYE/ EVERY DENNISON
58	Laminate Wooden Flooring	VISTA/ ACTION TESA/ ARMSTRONG/ PERGO
59	Sun Control Film	3M/ GARWARE/ SAINT GOBAIN

60	Insulation (Mineral / rock wool)	UP TIWAGA LTD / ROCKWOOL IND./ F.G.P.
61	Fire Door	NAVAIR/ SHAKTI/ RADIANT/SIGNUM/PROMAT
62	Flush door Shutters of various thickness	MERINO/ DURO/ GREEN/ CENTURY/ KIT (SWASTIK)
63	Open cell false ceiling	ARMSTRONG /CREDENCE /HUNTER DOUGLAS
64	Calcium silicate false ceiling	AEROLITE, RAMCO, HILUX, USG BORAL
65	Gypsum Board	GYPROC BY SAINT GOBAIN, USG BORAL, ARMSTRONG
66	Fibre Cement Board	EVEREST/ USG BORAL / VISAKA
67	CPVC Pipe Fitting & Solvent	SUPREME/ ASTRAL/ ASHIRWAD / PRINCE / PRAKASH
68	UPVC Pipes & Fittings	SFMC / SUPREME/ FINOLEX
69	UPVC Window	FENESTA / REHAU/ ENCRRAFT/ (NCL Wintech)/ SAINT GOBAIN
70	Friction Stay Hinges	EARL- BIHARI/ EBCO/HETTICH
71	M.S Pipes	JINDAL/ APPOLO/ SWASTIK / TATA / SURYA
72	Gypsum Plaster	FERROUS CRETE (FERRO-500)/ GYPROC (ELITE-100)/ KERAKOL (K-100)
73	GRC Wall Tile / Jali	UNISTONE/ DALAL/ SWASTIK ALWAR / ULTRA
74	HDMR Board	CENTURY/ GREEN/ ACTION TESSA
75	High Pressure Laminate(HPL)	CENTURY/ GREEN / MERINO/TRESPA/ FUNDERMAX
76	Anchor Fastener (Mechanical/ Chemical)	HILTI/ MUNGO/CANON/ FISCHER/ WUERTH
77	Cupboard Lock	PLAZA/ GODREJ/ HETTICH/ HAFLEY
78	Rust remover / Rust converting primer/paint	FOSROC/SIKA/BASF/PIDILITE
79	polymer based zinc rich primer	FOSROC/SIKA/BASF/PIDILITE
80	anticorrosive paint	FOSROC/SIKA/BASF/PIDILITE
81	Concrete penetrating HI-TECH Corrosion inhibitor	FOSROC/SIKA/BASF/PIDILITE
82	Thixotropic Epoxy repair mortar	FOSROC/SIKA/BASF/PIDILITE
83	Latex / SBR Polymer Compound	FOSROC/SIKA/BASF/PIDILITE
84	Low viscous epoxy resin grout	FOSROC/SIKA/BASF/PIDILITE
85	Epoxy resin for Concrete bond coat	FOSROC/SIKA/BASF/PIDILITE
86	Pre-batched non-shrink polymer modified mortar	FOSROC/SIKA/BASF/PIDILITE
87	Pre-batched Pre Mixed Non- Shrink Micro Concrete	FOSROC/SIKA/BASF/PIDILITE

88	Pre-batched Pre Mixed Non-metallic composite fiber wrapping system	FOSROC/SIKA/BASF/PIDILITE
89	Epoxy for rebar/shear anchor	FOSROC/SIKA/BASF/HILTI
90	Modular kitchen basket and accessories (SS-304 Grade)	HETTICH/ KITCH/ PLUM / PECOCK
91	Manhole cover /Grating	KK MANHOLE / DALAL / SWASTIK / HINDUSTAN
92	laminate wooden flooring	VISTA / ARMSTRONG / ACTION TESSA
93	PU Flooring (8+8)mm for outdoor Basketball and Volleyball Court	Conica/ Rekortan/ Porplastic/ Stobitan
94	PU Flooring (10+2)mm for indoor for badminton court	Conica/ Rekortan/ Porplastic/ Stobitan

Note: - Agency has to submit manufacturer test certificates of major items.

8 – SCHEDULES

SCHEDULE `A`

Schedule of quantities enclosed.

SCHEDULE `B`

Schedule of materials to be issued to the contractor.

- Nil -

SCHEDULE `C`

Tools and plants shall be hired to the contractor by the Institute.

- Nil -

SCHEDULE `D`

Extra schedule for specific requirements/ document for the work, if any.

- Nil -

SCHEDULE `E`

Schedule of components of cement, steel & other materials Labour etc. for price escalation.

- Nil -

SCHEDULE `F`

Refer to Conditions and Clauses of document.

Definitions:		
i)	Department	Sports Unit, IIT Patna
ii)	Tender Accepting Authority	Director, Indian Institute of Technology Patna
iii)	COPH	15 %
iv)	Standard Schedule of Rates	(i). latest C.P.W.D. Delhi Schedule of Rates with up-to-date correction slips issued up to the date of receipt of tenders.
v)	Time allowed for submission of performance guarantee from the date of issue of letter of acceptance.	Before Commencement of Work or 14 days whichever is earlier
(vi)	Authority to give fair & reasonable extension of time for completion of work.	Committee Constituted for the purpose

09- PAYMENT TERMS

1. 50% of item cost after successful supply at site.
2. 45% of item cost after successful installation, testing and commissioning.
3. 5% security deposit after successful 1year of DLP Period.

10- SPECIAL TERMS & CONDITIONS

1. Rates quoted in the financial bid must be inclusive of all central, state, local taxes, insurances, levy, cess, transportation & accommodation charge etc. including trade tax on works contract and GST applicable. There should be no increase or variation in the tendered price even in case of changes in GST etc. Rate are also inclusive of payment to the Labour Department in accordance with the prevailing Labour law, including all statutory liability fixed by the Labour commissioner or any other law enforcement agency.
2. Agency shall be solely responsible for payment of wages/salaries and allowances to their personnel as per the rules or act applicable under government order. All central, state, local laws & bye laws applicable will be obeyed by the agency.
3. Without taking prior approval from the duly constituted committee for the purpose, no fittings/materials will be removed for the purpose of repairs/replacement.
4. The agency shall further keep the IITP duly constituted committee for the purpose indemnified against any loss to the IITP property and assets. The IITP shall have further right to adjust and/or deduct any of the amounts as aforesaid from the payments due to the agency under this contract.
5. The agency shall ensure that the persons so deployed do not allow any property of the IITP related to Equipment's to be taken out of the premises without a Gate Pass signed by the designated officials of the IITP.

6. The agency shall at his own cost, if required, take necessary insurance cover in respect of the aforesaid services rendered to IIT Patna and the agency shall comply with the statutory provisions of Contract Labor (Regulation & Abolition) Act, 1970; Employees State Insurance Act; Workman's Compensation Act, 1923; Payment of Wages Act, 1936; The Employees Provident Fund (and Miscellaneous Provisions) Act, 1952; Payment of Bonus Act, 1965; The Minimum Wages Act, 1948; Employer's Liability Act, 1938; and/or any other rules/regulations and/or statutes that may be applicable to them. The agency shall indemnify the Institute against all claims which may be made upon the Institute whether under the aforesaid statutes or any other statute in force during the currency of this contract.
7. In the event of the agency committing a default or breach of any of the provisions of the Labour Laws including the provisions of Contract Labour (Regulation and Abolition) Act, 1970 as amended from time to time or in furnishing any information, or submitting or filling any statement under the provisions of the said regulations and rules which is materially incorrect, he shall without prejudice to any other liability pay to the IIT Patna, a sum as may be claimed by IIT Patna.
8. Agency shall keep the IIT Patna indemnified against all claims whatsoever in respect of the employees deployed by the agency, in case any employee of the agency so deployed enters in dispute of any nature whatsoever, it will be the primary responsibility of the agency to contest the same. In case IIT Patna is made party and is supposed to contest the case, the IIT Patna will be reimbursed for the actual expenses incurred towards Counsel fee and other expenses, which shall be paid in advance by the agency to IIT Patna on demand. Further, the agency shall ensure that no financial or any other liability comes on IIT Patna in this respect of any nature whatsoever and shall keep IIT Patna indemnified in this respect.
9. No accommodation facility will be provided by the IIT Patna.
10. Income tax/ other applicable taxes if any will be deducted at source as per the rules in force from the bill and the amount so deducted will be credited to the Income tax/concerned authority and a certificate of the amount credit will be issued by the Account Section of Institute.
11. Institute reserves the right to curtail or enhance the scope of work either by deletion of certain items entirely or by reducing/increasing the quantities of certain items as required and reviewed by the Institute from time to time and therefore, the final value of the work shall be worked out and paid to the extent of work actually carried out.
12. In the event of any question, dispute/difference arising under the agreement or in connection herewith (except as to matters the decision of which is specially provided under the agreement) the same shall be referred to the sole arbitration by the Director, IIT Patna & his decision will be final and binding.
13. IIT Patna shall not be responsible for any expense incurred by bidders in connection with the preparation & submission of their bids, site visit and other expenses incurred during bidding process.
14. The Arbitrator may give interim awards and/or directions, as may be required, Subject to the aforesaid provisions the Arbitrator & Conciliation Act, 1996 and the rules made hereunder and any modification thereof from time to time being in force shall be deemed to apply to the arbitration proceedings under this clause.
15. Bidder should not be under liquidation, court receivership or similar proceeding and shall submit certificate for the same.

16. **Force Majeure:** -

- a) Notwithstanding the provisions stated above, failure to provide the services by agency shall not be liable for forfeiture of its security or penalty & not be constructed as breach of contract at an event of force majeure.
- b) For purposes of this clause, “Force Majeure” means an event beyond the control of the agency and not involving the agency/service provider’s fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the service provider either in its sovereign or contractual capacity, wars or revolutions fires, floods.
- c) If a Force Majeure situation arises, the agency/ service provider shall promptly notify the duly constituted committee for the purpose in writing of such conditions and the cause thereof. Unless otherwise directed by the employer in writing, the service provider shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.

17. **Theft of Parts:** - Agency shall be fully responsible for theft, burglary, fire or any mischievous deeds by his workers/staff and shall replace the items under such category. Any loss occurred due to negligence will be recovered from the agency.

18. **JURISDICTION:** Disputes of any nature that may be arise in connection with the execution of this order shall be governed by the laws of India and subject to the jurisdiction of courts situated in Patna, India only.

ANNEXURE - I

IDMENNTY BOND

(On Non- Judicial Stamp Paper of Rs. 100/-)

Know all men by these presents that I/We do hereby execute Indemnity Bond in favor of the IITP on this _____ day of _____ 2024. Whereas, IIT Patna, has appointed ___ as the contractors for proposed work at IIT Patna. This deed witness as follows:

I/We hereby do Indemnify and save harmless IIT Patna, against any third party claims, civil or criminal complaints/liabilities, site mishaps and other accidents or disputes and/or damages occurring or arising out of any mishaps at the site due to faulty work, negligence, faulty construction and/or for violating any law, rules and regulations in force, for the time being while executing /executed works by me/us.

Any damages and loss or expense due to or resulting from any negligence or breach of duty on the part of me/us or my sub-contractors if any, servants or agents.

Any claim by an employee of mine/ours or of sub-contractors if any, under the workmen's Compensation Act and Owners liability Act 1939 or any other law, rules and regulations in force for the time being and any acts replacing and/or amending the same or any of the same as may be in force at the time and under any law in respect of injuries to persons or property arising out of land and in the course of execution of the contract work and/or arising out of and in the course of employment of any workman/employee.

Any act or omission of mine/ours of sub-contractors if any, our/their servants or agents which may involve any loss, damage, liability, civil or criminal action.

NAME AND ADDRESS

Contractor

IN WITNESS WHEREOF THE
_____ of _____ 2026.

SIGNED AND DELIVERED BY THE

AFORESAID _____

IN THE PRESENCE OF WITNESSES:

1.

2.

ANNEXURE - 2

PROFORMA FOR PERFORMANCE BANK GUARNATEE

(TO BE STAMPED IN ACCORDANCE WITH STAMP ACT, IF ANY, OF THE COUNTRY OF THEISSUING BANK)

Ref.

Bank Guarantee No.

Date

Indian Institute of Technology Patna

Amhara, Bihta- 801103

Dear Sirs,

We refer to the contract No. _____ signed on [dated] (“the Contract”) between you and
_____ (“the contractor”) concerning _____
_____ (Brief description of the scope of work).

By this Bank Guarantee, we, the undersigned, _____ a Bank (or company) organized under the law
of _____ and having its Branch office at _____ and registered / principal office at _do
hereby irrevocably guarantee payment to you up to five (5%) of the Contract price until Three (3) months days beyond the
Defect Liability period.

We undertake to make payment under this. Bank Guarantee upon receipt by us of your first written demand signed
by your duly authorized officer declaring the Contractor to be in default under the Contact and without cavil or
argument any sum or sums within the above-named limits, without your need to prove or show grounds

or reasons for your demand and without the right of the Contractor to dispute or question such demand, our liability under this Bank Guarantee shall be to pay you the sum so requested or the amount then guaranteed hereunder whichever is less in respect of any demand duly made hereunder prior to expiry of the Bank Guarantee, without being entitled to inquire whether or not this payment is lawfully demanded.

This Bank Guarantee shall be valid from the date of issue until 3 months beyond the Defect Liability Period of the Facilities i.e. up to an inclusive of _____ (year, month and date).

Except for the documents herein specified, no other documents or other action shall be required, notwithstanding any applicable law or regulation.

If the Defect Liability Period is extended with respect to the Facilities in accordance with the Contract, the validity of this Bank Guarantee shall be extended with respect to five percent (5%) of the Contract Price of that part until expiry of 3 months beyond such extended Defect Liability Period.

Our liability under this Bank Guarantee shall become null and void immediately upon its expiry, whether it is returned or not, and no claim may be made hereunder within one month from the date of such expiry or after the aggregate of the sums paid by us to you shall equal the sums guaranteed hereunder, whichever is the earlier.

All notices to be given under shall be given by registered (airmail) posts to the addressee at the address herein set out or as otherwise advised by and between the parties hereto.

We hereby agree that any part of the Contract may be amended, renewed, extended, modified, compromised, released or discharged by mutual agreement between you and the Contractor, and this security may be exchanged or surrendered without in any way impairing or affecting our liabilities hereunder without notices to us and without the necessity for any additional endorsement, consent or guarantee by us, provided, however, that the sum guaranteed shall not be increased or decreased. No action, event or condition which by any applicable law should operate to discharge us from liability hereunder shall have any effect and we hereby waive any right we may have to apply such law so that in all respects our liability hereunder shall be irrevocable and, except as stated herein, unconditional in all respects.

Yours truly,

Name of the Bank

Authorized Signature

Signature of

Witness.Name :

Address .

Note:

1. The non-judicial stamp papers of appropriate value shall be purchased in the name of the Bank who issues the 'Bank Guarantee'.
2. Performance Security is to be provided by the successful bidder in the form of a Bank Guarantee which should be issued either:
 - (a) by a reputed bank located in the country of Employer and acceptable to the Employer, or
 - (b) by a foreign bank confirmed by either its correspondent bank located in the country of Employer which should be reputed and acceptable to the Employer, or
 - (c) by a Public Sector Bank in the country of Employer.

All banks except Public Sector Banks of the Employer's country shall have with overall international corporate rating or rating of long-term debt not less than A- (A minus) or equivalent by a reputed rating agency.

ANNEXURE - 3

TENDER ACCEPTANCE LETTER

(On Company / firm's Letterhead)

To,
The Registrar
I.I.T. Patna,
Bihta, Patna – 801106.

Date:

Sir,

Ref: Tender No. Repair, Maintenance, and Upgradation of Existing Sports Infrastructure Facilities at IIT Patna

I/we have carefully gone through the Terms & Conditions as mentioned in the above referred Tender document as per your advertisement, given in the abovementioned website(s).

1. I/we declare that all the provisions of this Tender are unconditionally acceptable to my company. I /we further certify that I'm an authorized signatory of my company and am, therefore, competent to make this declaration.
2. I/we hereby certify that I/we have read the entire terms and conditions of the tender documents from Page No. ...to... (including all documents like annexure(s), schedules(s), etc.,) which form part of the contract agreement and I/we shall abide hereby by the terms / conditions /clauses contained therein.
3. The corrigendum(s) issued from time to time by your department /organizations too have also been taken into consideration, while submitting this acceptance letter.
4. I/we certify that all information furnished by the our Firm is true and correct and if at any stage, it has been found that the agency has furnished any wrong declaration / forged documents, the Competent Authority of IIT Patna may terminate contract with immediate effect without assigning any reason there of and suitable legal action should be taken against the agency which may include blacklisting / debarment from participating in any tender of IIT Patna for the period, approved by the competent authority.

Yours faithfully,

(Signature of the Bidder, with Official Seal)

ANNEXURE - 4

C.A CERTIFIED DECLARATION OF ANNUAL TURNOVER (Balance Sheet)

(On Company / firm's Letterhead)

Date:

To,
The Registrar
I.I.T. Patna,
Bihta, Patna – 801106.

Sir,

Ref: Tender No. Repair, Maintenance, and Upgradation of Existing Sports Infrastructure Facilities at IIT Patna

1) I/we hereby declare that, our firm's Annual Turnover as follows, and I/we have also supported an Audited Accounts for your references:

F. Y. 2022 – 23	
F. Y. 2023 – 24	
F. Y. 2024 – 25	

Yours faithfully,

(Signature of the C.A, with Official Seal)

DETAILS OF THE FIRM

Ref: Tender No. Repair, Maintenance, and Upgradation of Existing Sports Infrastructure Facilities at IIT Patna

1.	Name of Firm	
2.	Registered/Postal Address	
3.	Office Address in Patna (if any)	
4.	Working Email id	
5.	Telephone no/Fax no/Mobile	
6.	Particulars of Registration with various government bodies/organization.	
7.	Details of Similar nature projects completed during past five years. (Attach separate sheet if needed)	
8.	Were you ever debarred/ blacklisted by any department during the past three years?	
9.	Name of Directors /Partners with Address	
10.	Permanent Account Number (PAN) No	
11.	GST Registration No	
12.	BANK DETAILS:	
a.	Bank Name	
b.	Branch Address	
c.	Account No	
d.	Type of Account (Current/Savings)	
e.	MICR No.	
f.	IFSC Code	

Date: Name of the Authorized Signatory

Place: Stamp & Signature

Special condition for Safety at the Work Site

The contractor will identify one of the supervisors for taking care of implementation of Safety systems.

The Contractor should follow the following General Guidelines governing the safety rules as laid down under:

1. Nobody is allowed to work without wearing safety helmet. Chinstrap of safety helmet shall be always on. Drivers, helpers and operators are no exception.
2. No one is allowed to work at or more than three meters height without wearing safety belt and anchoring the lanyard of safety belt to firm support preferably at shoulder level.
3. No one is allowed to work without adequate foot protection.
4. Usage of eye protection equipment shall be ensured when workmen are engaged for grinding, chipping, welding and gas-cutting. For other jobs as and when site safety co-ordinator insists eye protection has to be provided.
5. All safety appliances like Safety shoes, Safety gloves, Safety helmet, Safety belt, Safety goggles etc. shall be arranged before starting the job.
6. All excavated pits shall be barricaded & barricading to be maintained till the backfilling is done. Safe approach to be ensured into every excavation.
7. Adequate illumination at workplace shall be ensured before starting the job at night.
8. All the dangerous moving parts of the portable / fixed machinery being used shall be adequately guarded.
9. Ladders being used at site shall be adequately secured at bottom and top. Ladders shall not be used as work platforms.
10. Material shall not be thrown from the height. If required, the area shall be barricaded and one person shall be posted outside the barricading for preventing the trespassers from entering the area.
11. Other than electricians no one is allowed to carry out electrical connections, repairs on electrical equipment or other jobs related thereto.
12. All electrical connections shall be made using 3 or 5 core cables, having a earth wire.
13. Inserting of bare wires for tapping the power from electrical sockets is completely prohibited.
14. A tools and tackles inspection register must be maintained and updated regularly.
15. Debris, scrap and other materials to be cleared from time to time from the workplace and at the time of closing of work every day.
16. All the unsafe conditions, unsafe acts identified by contractors, reported by site supervisors and / or safety personnel to be corrected on priority basis.
17. No children shall be allowed to enter the workplace.

18. All the lifting tools and tackles shall be stored properly when not in use.
19. Clamps shall be used on Return cables to ensure proper earthing for welding works.
20. Return cables shall be used for earthing.
21. All the pressure gauges used in gas cutting apparatus shall be in good working condition.
22. Proper eye washing facilities shall be made in areas where chemicals are handled.
23. Connectors and hose clamps are used for making welding hose connections.
24. All underground cables for supplying construction power shall be routed using conduit pipes.
25. Spill trays shall be used to contain the oil spills while transferring / storing them.
26. Tapping of power by cutting electric cables in between must be avoided. Proper junction boxes must be used.

Sd./-
Registrar

Bill of Quantity

Squash Court

Sl. No.	Item Description	Unit	Qty
1.	Dismantling existing wooden flooring	Job	1
2.	Supply and Installation of Two FIBA, WSF, IHF, BWF Approved 100% solid hardwood pre-finished (factory finish including polish) Area-elastic press drayed Maple Wooden sports flooring with Pad ideal playing surfaces, floor system should be according to EN 14904 class A4. Prefinished Hardwood flooring 22mm thick for each individual strip. Minimum width of 129mm and 1830mm in length jointed together with the help of tongue and groove on all four sides of all board Solid Hardwood floor board should be prefinished to eliminate the risk of human error when sanding and lacquering on site and easy and fast installation. Shock absorption: - 67 %; Vertical deformation: - 3.0 mm; Ball bounce: - 93 %; Friction: - ~ 85; Rolling Load: - 3500 N1; Point load: - 5500N ~ 550 kgs ² . Substructure of solid wood flooring shall consist of sleeper of Spruce or Pine 60 mm wide and cross-section of 38 mm and laid perpendicular to the main flooring planks at a spacing 411 mm center to center attached including 19mm rubber pads on concrete base beneath the flooring system as a vapour barrier between the concrete and wood floor. 0.2mm polyethylene membrane installed over the concrete base beneath the flooring system as a vapour barrier between the concrete and wood floor.	Sqft	1344

Badminton Court

Sl. No.	Item Description	Unit	Qty
1.	Dismantling existing wooden flooring	Job	1
2.	Supply & installation of Synthetic PU flooring approved by FIVB/FIBA/IHF/BWF for Multipurpose Hall. The product must have 12 mm total thickness with base layer of 10mm thickness and top layer of 2mm thickness respectively and should conform to the technical specifications: having Shock absorption 25% - 49%, Standard deformation 1.1mm-A13.3mm, Rolling Load - 1500, Impact Resistance at 10 c - 8-16Nm, Residual Impression - 0.20mm-0.49mm, Ball rebound - 96-99%, Sliding Properties - 88-102. Supplying and applying of paint coat with approved shade. Line marking as per international norms.	Sqm	841

Gymkhana

Sl. No	Item Description	Unit	Qty
	Basketball Court		
1	Supply and installation of FIBA approved and IAAF Approved Lab Tested synthetic PU system for Basketball courts. The product must have 16 mm total thickness with base layer of 8mm thickness and top layer of 8mm thickness respectively and should conform to the technical specifications: having Force Reduction between 36%-40%, Vertical Deformation 1.3-1.7mm, Permeability 0.058-0.06 cm/s, tensile strength 0.55-.0.57 N/mm2 to be laid on prepared sub base with line markings as per FIBA guidelines.	Sqm	778
2	Volleyball Court		
	Supply and installation of FIBA approved and IAAF Approved Lab Tested synthetic PU system for Volleyball courts. The product must have 16 mm total thickness with base layer of 8mm thickness and top layer of 8mm thickness respectively and should conform to the technical specifications: having Force Reduction between 36%-40%, Vertical Deformation 1.3-1.7mm, Permeability 0.058-0.06 cm/s, tensile strength 0.55-.0.57 N/mm2 to be laid on prepared sub base with line markings as per FIBA guidelines.	Sqm	1588
3	Lawn Tennis		
	5 LAYER ACRYLIC FLOORING SYSTEM: Providing and laying ITF Approved 5-layer acrylic flooring system from ITF Recognised Supplier (Elite Silver) as per specifications mentioned below: a) P/applying 1 layer Ecoplas Primer. b)P/applying 1 layer Ecoplas Cusion. c) P/laying 1 layer Ecoplas Black Base. d) P/laying 1 layer Ecoplas Base Coat. e)P/laying 1 layer Ecoplas Finish.	Sqm	646

Sports Complex

Sl. No	Item Description	Unit	Qty
	Basketball Court		
1	Providing and Laying Hot Mix Asphalt (HMA) surfaces as a sub base for PU Flooring as per specifications mentioned below: Demolishing Existing Subbase Setting layout for field. Weedicide/pesticide treatment. Compacting subsoil including excavation upto 150mm depth and dressing of the surface. Kerb wall system. 2 layers WMM (water mix macadam) with compacted thickness of 3" each layer. 2 layers Asphaltting, 40mm of BM layer and 25 of BC Layer.	Sqm	2142
2	Supply and installation of FIBA approved and IAAF Approved Lab Tested synthetic PU system for Basketball courts. The product must have 16 mm total thickness with base layer of 8mm thickness and top layer of 8mm thickness respectively and should conform to the technical specifications: having Force Reduction between 36%-40%, Vertical Deformation 1.3-1.7mm, Permeability 0.058-0.06 cm/s, tensile strength 0.55-.0.57 N/mm2 to be laid on prepared sub base with line markings as per FIBA guidelines.	Sqm	2142

	Volleyball Court		
1	Providing and Laying Hot Mix Asphalt (HMA) surfaces as a sub base for PU Flooring as per specifications mentioned below: Demolishing Existing Subbase Setting layout for field Weedicide/pesticide treatment. Compacting subsoil including excavation upto 150mm depth and dressing of the surface. Kerb wall system. 2 layers WMM (water mix macadam) with compacted thickness of 3" each layer. 2 layers Asphalt, 40mm of BM layer and 25 of BC Layer.	Sqm	1070
2	Supply and installation of FIBA approved and IAAF Approved Lab Tested synthetic PU system for Volleyball courts. The product must have 16 mm total thickness with base layer of 8mm thickness and top layer of 8mm thickness respectively and should conform to the technical specifications: having Force Reduction between 36%-40%, Vertical Deformation 1.3-1.7mm, Permeability 0.058-0.06 cm/s, tensile strength 0.55-.0.57 N/mm2 to be laid on prepared sub base with line markings as per FIBA guidelines.	Sqm	1070

	Lawn Tennis		
1	Providing and Laying Hot Mix Asphalt (HMA) surfaces as a sub base for Acrylic Flooring as per specifications mentioned below: Demolishing Existing Subbase Setting layout for field. Weedicide/pesticide treatment. Compacting subsoil including excavation upto 150mm depth and dressing of the surface. Kerb wall system. 2 layers WMM (water mix macadam) with compacted thickness of 3" each layer. 2 layers Asphalt, 40mm of BM layer and 25 of BC Layer.	Sqm	1935
2	4 LAYER ACRYLIC FLOORING SYSTEM: Providing and laying ITF Approved 4-layer acrylic flooring system from ITF Recognised Supplier (Elite Silver) as per specifications mentioned below: a) P/applying 1-layer Ecoplas Primer. b) P/laying 1-layer Ecoplas Black Base. c) P/laying 1-layer Ecoplas Base Coat. d) P/laying 1-layer Ecoplas Finish.	Sqm	1935

Technical Specification

Supply and Installation of Area-Elastic Solid Hardwood Sports Flooring System

The contractor shall supply and install a **FIBA, WSF, IHF, and BWF approved**, area-elastic indoor sports flooring system comprising **100% solid hardwood prefinished maple flooring**, complete in all respects.

1. Standards and Performance Requirements

The flooring system shall comply with:

- **EN 14904 – Class A4 (Area-Elastic System)**

The system shall meet or exceed the following performance criteria:

- Shock Absorption: $\geq 67\%$
- Vertical Deformation: ≥ 3.0 mm
- Ball Rebound: $\geq 93\%$
- Surface Friction: ~ 85
- Rolling Load Resistance: ≥ 3500 N
- Point Load Resistance: ≥ 5500 N (approx. 550 kg)

2. Hardwood Flooring Material

- Species: **Solid Maple Hardwood**
- Construction: **100% solid hardwood**
- Thickness: **22 mm**
- Width: **Minimum 129 mm**
- Length: **1830 mm**
- Edge Profile: **Tongue and groove on all four sides**
- Finish: **Factory prefinished including polish**

The prefinished boards shall be factory sanded and lacquered to eliminate on-site sanding and coating, thereby ensuring:

- Uniform finish quality
- Elimination of human error during installation
- Reduced installation time
-

3. Substructure (Area-Elastic System)

The subfloor system shall consist of:

- Sleepers:
 - Material: Spruce or Pine
 - Width: 60 mm
 - Cross-section: 38 mm
 - Installed perpendicular to the main flooring planks
 - Spacing: 411 mm center-to-center
- Resilient Layer:
 - 19 mm rubber pads fixed beneath sleepers
- Vapour Barrier:
 - 0.2 mm polyethylene membrane
 - Installed over concrete sub-base
 - To act as moisture barrier between concrete and wooden flooring system

4. Installation

The complete flooring system shall be installed over a prepared concrete base. The contractor shall ensure:

- Proper moisture testing of concrete substrate prior to installation
- Installation in accordance with manufacturer's guidelines
- Compliance with EN 14904 Class A4 performance standards
- Full compatibility with international indoor sports requirements

Supply and Installation of Synthetic Polyurethane (PU) Sports Flooring System for Multipurpose Hall

The contractor shall supply, lay, and commission a **FIVB, FIBA, IHF, and BWF approved** synthetic polyurethane (PU) sports flooring system suitable for indoor multipurpose sports facilities, complete in all respects.

1. Standards and Approvals

The proposed flooring system shall:

- Be approved and/or certified for use by international federations including volleyball, basketball, handball, and badminton governing bodies.
- Be suitable for indoor multipurpose sports applications.
- Conform to relevant international indoor sports flooring performance standards.

2. System Build-Up

The synthetic PU flooring system shall have a **total thickness of 12 mm**, comprising:

- **Base Layer:** 10 mm thick resilient PU layer
- **Top Layer (Wear Layer):** 2 mm thick PU finishing layer

The system shall be seamless, monolithic, and applied over a properly prepared concrete substrate.

3. Performance Requirements

The installed system shall meet or fall within the following performance parameters:

- **Shock Absorption:** 25% – 49%
- **Standard Deformation:** 1.1 mm – 3.3 mm
- **Rolling Load Resistance:** ≥ 1500 N
- **Impact Resistance (at 10°C):** 8 – 16 Nm
- **Residual Indentation:** 0.20 mm – 0.49 mm
- **Ball Rebound:** 96% – 99%
- **Sliding Properties (Friction):** 88 – 102

All values shall be supported by manufacturer's laboratory test certificates from an accredited testing agency.

4. Surface Finish

- The PU top layer shall be finished in an approved color/shade as per architect/consultant approval.
- The surface shall be uniform, slip-resistant, non-glossy, and suitable for competitive sports use.

5. Line Marking

- Line markings shall be carried out using compatible PU-based sports marking paint.
- Court markings shall comply with applicable international standards for the respective sports (basketball, volleyball, badminton, handball, etc.).
- Line colors shall be as approved by the consultant/authority.

6. Installation Requirements

- Concrete substrate shall be level, dry, structurally sound, and moisture-tested prior to application.
- Surface preparation shall include grinding, priming, and crack repair where required.
- Application shall be carried out strictly in accordance with the manufacturer's installation guidelines.
- The finished floor shall be seamless and free from bubbles, undulations, cracks, or surface defects.

Supply and Installation of FIBA-Approved Synthetic PU Sports Flooring System for Basketball Court

The contractor shall supply, install, test, and commission a **FIBA-approved** and **IAAF-approved laboratory tested** synthetic polyurethane (PU) sports flooring system for basketball courts, complete in all respects.

1. Standards and Approvals

The proposed flooring system shall:

- Be approved by the International Basketball Federation (FIBA).
- Be laboratory tested and compliant with International Association of Athletics Federations (IAAF) performance standards where applicable.
- Be suitable for competitive basketball play and conform to international sports flooring performance requirements.

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2. System Build-Up

The synthetic PU flooring system shall have a **total thickness of 16 mm**, comprising:

- **Base Layer:** 8 mm thick resilient PU base layer
- **Top Layer (Wear/Performance Layer):** 8 mm thick PU surface layer

The system shall be seamless and monolithic, installed over a properly prepared and level sub-base.

3. Performance Requirements

The installed PU system shall meet the following technical parameters:

- **Force Reduction:** 36% – 40%
- **Vertical Deformation:** 1.3 – 1.7 mm
- **Permeability:** 0.058 – 0.060 cm/s
- **Tensile Strength:** 0.55 – 0.57 N/mm²

All performance values shall be supported by valid laboratory test reports from an accredited testing agency.

4. Sub-Base Preparation

- The flooring system shall be laid on a properly prepared, level, and structurally sound sub-base.
- The substrate shall be clean, dry, and free from dust, laitance, oil, cracks, or other contaminants.
- Surface preparation shall include mechanical grinding and priming as recommended by the manufacturer.

5. Line Marking

- Court markings shall be executed in strict accordance with international guidelines for basketball courts and Volleyball Court.
- Markings shall be applied using compatible PU-based sports marking paint.
- Line colors and layout shall be as per approved drawings and international standards.

6. Installation Requirements

- Installation shall be carried out strictly as per the manufacturer's specifications.
- The finished surface shall be seamless, uniform in texture, and free from undulations, blistering, or surface defects.
- The contractor shall provide workmanship warranty and manufacturer's material warranty as specified in the contract document.