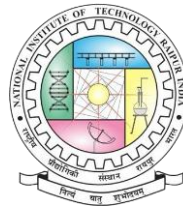




# राष्ट्रीय प्रौद्योगिकी संस्थान रायपुर NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR

(An Institute of National Importance)  
Under Ministry of Education, Govt. of India



No: NITRR/S&P/Sports/CSR/2025-26/1788

Raipur, Dated 20/02/2026

## **LIMITED TENDER ENQUIRY (LTE) FOR SETUP OF BASKETBALL AND VOLLEYBALL COURTS IN NIT RAIPUR CAMPUS**

**Date of Issue:** 20/02/2026

**Estimated Tender Value:** ₹30,00,000/-

**Earnest Money Deposit (EMD):** ₹60,000/-

**Completion Period:** 21 Days

### **1. NOTICE INVITING TENDER (NIT)**

Sealed bids under **Two Bid System (Technical & Financial)** are invited from shortlisted firms for:

**Supply of Materials and Installation of ITF Certified 8-Layer Acrylic Synthetic Sports Surface for Basketball Court and Supply & Installation of FIFA Quality Artificial Turf System with Dynamic Sub-Base Infrastructure for Volleyball Courts at NIT Raipur.**

### **2. NATURE OF CONTRACT**

This is a **Supply of Materials and Installation Contract**.

The scope includes:

- Supply of complete sports surface materials.
- Supply of drainage and base infrastructure materials.
- Installation/laying/application at site.
- Testing, commissioning, and handing over.

This tender shall not be treated as a conventional civil works contract but as supply and installation of specialized sports surface systems.

### **3. SCOPE OF SUPPLY & INSTALLATION**

#### **3.1 Basketball Court – Acrylic Synthetic Surface (Approx. 608 Sqm)**

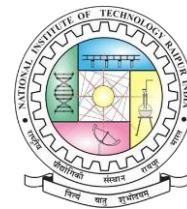
##### **A. Supply of Materials**

The bidder shall supply:

- Acrylic primer (Ritivex or equivalent)
- Acrylic resurfacer layer (Elastosports or equivalent)



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- Super Elas Coarse cushion layers
- Super Elas Fine cushion layers
- Non-slip synthetic top coat
- ITF compliant line marking material
- All required adhesives, binders and consumables

## System Requirements:

- 8 Layer System
- ITF One Star Certified
- UV stabilized
- Weather resistant

## B. Installation

- Surface cleaning and preparation
- Crack filling and leveling
- Layer-by-layer application as per OEM standards
- Proper curing time between layers
- ITF standard line marking
- Final inspection and surface uniformity check

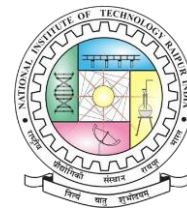
## 3.2 Volleyball Courts – Artificial Turf System (Approx. 740 Sqm)

### A. Supply of Materials

- FIFA Quality artificial turf
- Pile Height: 50mm  $\pm$  1mm
- Dtex: Minimum 13,800
- Dual color monofilament PE yarn
- PU/Latex backing
- Silica sand infill (30 kg/sqm)
- SBR rubber granules (6 kg/sqm)
- PU adhesive



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- 300 GSM seaming tape

## Acceptance Criteria:

- FIFA Preferred Producer / Licensee product only
- 5 Years OEM Warranty

## B. Installation

- Turf roll positioning
- Cutting and alignment
- Seam bonding
- Infill application
- Brushing and leveling
- Edge finishing
- Final surface leveling

## 3.3 Dynamic Sub-Base System

### Supply of Materials

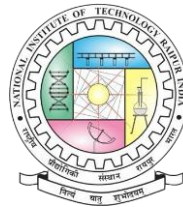
- 200mm perforated PVC drainage pipes
- 200/250 GSM geotextile
- 40mm aggregates
- 20mm aggregates
- Graded aggregate mix
- Drainage fittings and accessories

### Installation

- Excavation up to approx. 22.5 cm
- Ground shaping with slope  $\leq 0.4\%$
- Compaction to 98% Proctor Density
- Laying of drainage pipes (Fishbone pattern)
- Geotextile laying with overlaps
- Aggregate layering & mechanical compaction



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## 4. ELIGIBILITY CRITERIA

The bidder must:

1. Be a registered firm/company in India.
2. Have valid GST and PAN.
3. Have minimum 5 years' experience in supply & installation of sports surfaces.
4. Have completed:
  - Three similar supply contracts of ₹10 Lakhs each
  - or
  - One similar contract of ₹20 Lakhs or above.
5. Submit OEM authorization.
6. Submit ITF/FIFA compliance certificates.
7. Not be blacklisted by any Government organization.

## 5. TENDER PROCESS

### 5.1 Two Bid System

#### Technical Bid

- Company Registration
- GST & PAN
- Experience Certificates
- Work Completion Certificates
- OEM Authorization
- ITF/FIFA Certification
- EMD
- Technical Compliance Sheet

#### Financial Bid

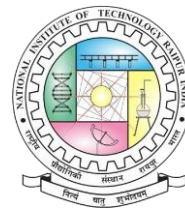
- Mentioned in Annexure I
- No conditional rates permitted
- Inclusive of all taxes

Financial bids of only technically qualified bidders shall be opened.



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## 6. EARNEST MONEY DEPOSIT (EMD)

Amount: ₹60,000/-

In favour of: Director, NIT Raipur

Mode: Demand Draft / Bank Guarantee

MSME bidders exempted as per GOI rules.

## 7. PERFORMANCE SECURITY

5% of contract value.

Valid for 12 months (Defect Liability Period).

## 8. COMPLETION PERIOD

The complete supply and installation shall be completed within:

21 Days from date of issue of Supply Order.

## 9. PAYMENT TERMS

- After completion of supply & installation.

No advance payment shall be made.

## 10. WARRANTY

- Acrylic Surface: Minimum 3 Years
- Artificial Turf: Minimum 5 Years (OEM backed)

## 11. LIQUIDATED DAMAGES

0.5% of contract value per week of delay

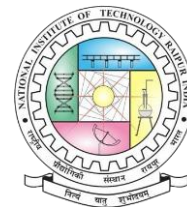
Maximum: 10% of contract value

## 12. GENERAL CONDITIONS

- Materials must be new and unused.
- Institute reserves right to inspect materials before installation.
- Conditional tenders shall be rejected.
- Institute reserves right to accept or reject any bid.
- Disputes subject to Raipur jurisdiction only.



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## 13. BILL OF QUANTITIES (SUMMARY)

| Sr | Description                                                   | Unit | Qty |
|----|---------------------------------------------------------------|------|-----|
| 1  | Supply & Installation – ITF Certified 8-Layer Acrylic Surface | Sqm  | 608 |
| 2  | Supply & Installation – FIFA Quality Artificial Turf System   | Sqm  | 740 |
| 3  | Supply & Installation – Dynamic Sub-Base System               | Sqm  | 740 |

## 14. CHECKLIST FOR BIDDERS

**Document**                      **Attached (Yes/No)**

Registration

GST

PAN

Experience

OEM Authorization

ITF/FIFA Proof

EMD

For any clarifications; please contact to SAS Officer, email id: [ksmaan.sports@nitrr.ac.in](mailto:ksmaan.sports@nitrr.ac.in)  
and Contact No. 9109550116

The last date of submission of bid documents is 02/03/2026 till 05 PM.

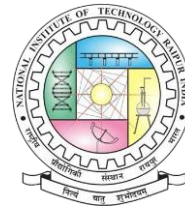
Sd/-  
Registrar  
NIT Raipur



# राष्ट्रीय प्रौद्योगिकी संस्थान रायपुर

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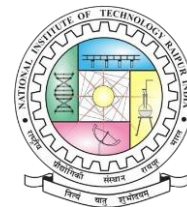
### PRICE BID (Annexure I)

**Supply of Materials and Installation of ITF Certified 8-Layer Acrylic Synthetic Sports Surface for Basketball Court and Supply & Installation of FIFA Quality Artificial Turf System with Dynamic Sub-Base Infrastructure for Volleyball Courts at NIT Raipur.**

| Sl. No | Floor type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Unit | Unit Rate (in Rs.) | Quantity | Amount (in Rs.) |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------|----------|-----------------|
| A      | <b>Basketball Court Synthetic ITF Flooring</b><br>Supply and installation of 8 Layer Synthetic Cushions Sports Surface of KDF/Rebound make or equivalent in layers as below:<br>Supply of Ritivex 1 layer<br>Supply of 1 layer of Elastosports 853<br>Supply of 2 layers of Super Elas Coarse 842<br>Supply of 2 layer Super Elas Fine 842<br>Supply of 2 layer of Cons Elas 851<br>Supply of Elastomark game line marking as per International Standards<br>The product should have one star ITF rating, Bidder should have atleast one project completed with One Star ITF Recognition field in India<br>Installation has to be done for all above mentioned product as per International Standards                                                                                                                                                                                                                                                                                                                                                                                | SQM  |                    | 608      |                 |
|        | <b>Volleyball Court – FIFA Approved Synthetic Turf</b><br>Supply of FIFA Quality artificial sports turf having specifications: Pile Height: 50mm ±1mm Dtex: 13,800 (minimum) Gauge: 3/4 inch Yarn Type: Dual color – Light Green & Dark Green Yarn Material: High-quality monofilament PE with UV-resistant coating Stitch Rate: As per FIFA Certification requirement Backing: Double/Triple layer backing with PU/latex Roll Width: Standard 4m width Manufacturing Origin: America / Europe / Australia<br>Acceptance Criterion: Only FIFA Preferred Producer or FIFA Licensee products allowed.<br>Warranty: 5 years (OEM-backed)<br>Silica sand infill with Clean, washed, rounded silica sand Free from dust, clay, or organic matter Application Rate: 30 kg/sqm Grading as per FIFA norms. SBR rubber granules infill with High-quality SBR granules, non-toxic, no metal contaminants Granule Size: 1–3 mm (FIFA recommended) Application Rate: 6 kg/sqm Good resilience and impact absorption. Turf laying and fixing will be Unrolling and positioning of artificial turf | SQM  |                    | 740      |                 |



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panels.Cutting turf edges accurately Alignment as per field layout.Ensuring no wrinkles, folds, or gaps.Providing high-strength seaming tape (minimum 300 GSM).Application of PU-based Adhesive suitable for sports fields.Jointing turf rolls according to FIFA standards Ensuring fully bonded, invisible, and tight seams.Supply & installation of white-colored artificial turf.Same quality, Dtex, gauge, and same 50mm pile height Cutting and fixing as per FIFA field layout.Jointing using PU adhesive & seaming tape

## **Volleyball Court – Dynamic Sub Base System**

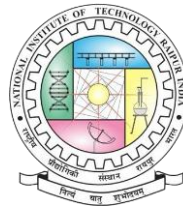
Preparation of subgrade by excavating earth to an average of 22.5 cm depth, dressing to camber and consolidation with Vibratory roller of 8-10 tons capacity including making good the undulation etc. Removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking clods and neatly dressed as per specifications. All excess material shall be removed from site complete. Shaping the ground to the desired shape by giving a minimum slope of  $\leq 0.4\%$  lateral gradient towards the drainlines.Compaction of original ground with maximum of 6 passes of 8 to 10 tones Power Vibratory Roller to an ideal level of Proctor 98% including filling in depression occurring during rolling including cost of all labour, HOM of machinery complete as per specifications. Preparation of Trench for laying the perforated PVC Pipes for sub-surface drainage including dressing, sloping and consolidation.Supply and fixing of Perforated PVC Pipes of 200mm dia along the lateral sides of the ground in a Fish Bone Structure with end caps and couplers to join the pipes. The perforated pvc pipes are to be covered with min 200 GSM Geo-textile. Providing and laying of aggregates 20mm size trap metal as backfilling etc all complete. Providing and laying of 250 GSM non woven Geo-textile manufactured from high quality Propylene staple fibers on the prepared sub-grade within overlap of minimum 300mm and an extra overlap at the edges with min 300mm including all wastage etc. Each roll of the Geo-textile should be of min 3.8m width and length covering the entire width of the ground. Providing and laying of aggregates 40mm size trap metal in 150mm compacted thickness. Compaction with 8-10 tons Power Vibratory Roller including watering during

SQM

740



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|   |                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
|   | compaction etc all complete. Providing and laying of aggregates 20mm size trap metal in 100mm compacted thickness. Compaction with 8-10 tons Power Vibratory Roller including watering during compaction etc all complete. Providing and laying of aggregates of a mix of 10mm and 6mm size trap metal in 50mm compacted thickness. Compaction with 8-10 tons Power Vibratory Roller including watering during compaction etc all complete. |  |  |  |  |
| 2 | <b>TOTAL COST (IN RS.) (including GST)</b>                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |
| 3 | <b>Total Quoted Value in Words at rates given.</b>                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |

Seal & Signature of Bidder

Date.....

Place.....