

OFFICE OF THE PRINCIPAL

CKB COMMERCE COLLEGE

KB Road, Near Circuit House, Jorhat, Assam – 785001

**NOTICE INVITING ONLINE TENDER ON BADMINTON INFRASTRUCTURE**

Sealed tenders, affixing a court fee stamp of INR 8.28 (Rupees Eight and Twenty-Eight Paise only), are hereby invited from registered, experienced, and reputed firms/suppliers. The tenders are to be submitted in two bids (Technical Bid and Financial Bid) for the supply and installation of professional BWF-approved KTL brand International Elite Certification only Badminton wooden flooring for the Indoor Stadium at CKB Commerce College, Jorhat, Assam.

Details of the Tender are available in the college office or alternatively at the college website <https://ckbcc.org/>:

**Name of the Project:** Enhancing Badminton and Fitness Infrastructure at CKB Commerce College, Jorhat, Assam:

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| 1. Supply, Installation of Professional BWF Approved International Elite Certification Only Badminton Wooden Flooring for Indoor Stadium, CKB Commerce College Jorhat, Assam. (SUPPLY & INSTALLATION OF HEVEA ABC GRADE 19 MM WOOD WITH MULTI-FLEX ADVANCE V2 BWF, FIBA & IHF APPROVED) |
| 2. Providing PVC Badminton Court Mat (Four Courts) Sand Surface 4.5MM Thickness Yonex make Model:- AC364 BWF Approved Technical Specifications floor as follows – PVC Transparent Layer. – PVC Reinforce Layer.   |

**Name of Work: Badminton Wooden Flooring and Badminton Court Mat**

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|---|
| 1. Supply, Installation of Professional BWF Approved International Elite Certification Only Badminton Wooden Flooring for Indoor Stadium, CKB Commerce College Jorhat, Assam. (SUPPLY & INSTALLATION OF HEVEA ABC GRADE 19 MM WOOD WITH MULTI-FLEX ADVANCE V2 BWF, FIBA & IHF APPROVED) |
| 2. Providing PVC Badminton Court Mat (Four Courts) Sand Surface 4.5MM Thickness Yonex make Model:- AC364 BWF Approved Technical Specifications floor as follows – PVC Transparent Layer. – PVC Reinforce Layer.   |

**Estimated Contract Value:**

Rs. **5898400.00** (Rupees Fifty Eight Lakhs Ninety Eight Thousand and Four Hundred Only) inclusive of all applicable taxes and duties, including GST.

**Period of Completion:**

Within 2 (two) months of issue of the work order

**Mode of Tender:**

Open

**Tender Currency Type:**

Single

**Tender Currency Settings:**

Indian Rupees (INR)

**Amount Details:**

Bid Document Fee/Bid Processing Fees in Form of Demand Draft	Rs.1500.00/-(Rupees One Thousand Five Hundred only) by Demand Draft in favor of <b>Principal, CKB Commerce College, Jorhat, Assam, payable at State Bank of India, Jorhat Branch</b> from any Nationalized/Scheduled Bank except Co-operative Bank. Demand Draft issued after the last date of submission of Bids will not be considered or accepted.
Bid Processing Fee Payable to	Principal, CKB Commerce College, Jorhat, Assam
Earnest Money Deposit	<b>Rs. 117968.00</b> (Rupees One Lakh Seventeen Thousand Nine Hundred and Sixty Eight Only) in the form of Demand Draft or Fixed Deposit receipt in favour of <b>Principal CKB Commerce College, Jorhat, Assam, payable at State Bank of India, Jorhat Branch</b> from any Nationalised /Scheduled Bank except C0-operative Bank. Bank guarantee should be

	valid up to 120 days. DD/FDR issued shall not be considered as valid or accepted in any case. EMD exemption certificate shall not be considered after last date of submission of tender.
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**Tender Dates:**

Bid Document Downloading Start Date	06-07-2024 from 10: 00 Hours
Bid Document Downloading End Date	11-07-2024 up to 16: 00 Hours
Last Date and Time for Receipt of Bids	11-07-2024 up to 16: 00 Hours
Tender Opening Time and Place	10: 00 Hours on 12-07-24 in the Office of the Principal, CKB Commerce College, Jorhat, Assam.
Bid Validity Period	60 days
Remarks	<p>Submission of EMD &amp; Tender fee during office hours. EMD &amp; Tender fee should be in favour of <b>Principal, CKB Commerce College, Jorhat, Assam, payable at SBI Jorhat Branch.</b> Contractor should submit the Tender fee, EMD and other valid documents in physical form by R.P.A.D. or Speed Post so as to reach the <b>Principal, CKB Commerce College, Jorhat, Assam – 785001</b>, in seal cover duly subscribing the name of work on or before 11/07/2024 up to 16:00 Hrs. If the <b>Physical Documents</b> are not received in stipulated date of the submission, Financial Bid shall not be opened. Above information in physical form must be scanned and send online also at <a href="mailto:ckbcc1965@gmail.com">ckbcc1965@gmail.com</a> .</p>

Other Details:

Officer Inviting Bids	Principal, CKB Commerce College, Jorhat, Assam
Bid Opening Authority	Principal, CKB Commerce College, Jorhat, Assam
Address	CKB Commerce College, KB Road, Near Circuit House, Jorhat, Assam – 785001
Contact Number	94350 91512

## TECHNICAL SPECIFICATIONS:

### MATERIAL

### COMPOSITION OF FLOOR SYSTEM

1. **Floor Boards:** 20x 130 x 2180 mm solid 2-strip parquet boards, secretly nailed onto battens according to a specified 10-board measurement and a board pattern. Wood Species: Hevea Stained Merbau

**Grades:** Premium

**Surface:** Matt lacquer (standard factory lacquer) and semi-gloss

2. **Nails:** 2.2 x 45 mm machine nails

3. **Sports Batten System:** Batten profile in laminated veneer lumber (LVL) of pine in 20 x 48 x 2440 mm, continuously supported by 10 x 48 mm elastic foam strips, glued to a double grooved batten underside.

Batten distance (standard) should be 311.4mm (Hevea) c/c.

4. **Moisture Barrier:** Min. 0.20 mm PE-folio (on concrete).

5. **Subfloor:** Concrete, alternatively existing wooden subfloor, levelled to a minimum deviation of maximum +/- 2mm on a 2m straight edge.

6. **Line Marking:** Line marking can be applied directly onto the factory finish, using special 2-pack water based paint system, and should be ready for use after hardening.

7. Sports Functional Features:

Test Method	EN Standard	EN Demands According to Class A 3	Test Results at c/c =363 mm
Shock Absorption (%)	EN 14904:2006	40-55	53
Standard Deviation (mm)	EN 14904:2006	1.8-2.5	2.0
Ball Rebound (%)	EN 12335:2004	≥ 90	98
Rolling Load (N)	EN 1569	Minimum 1500	> 1500
Friction	EN 13036-4	80-110	80-90
Other Tests			
Friction	DIN 18032	0.4-0.6	0.41
Loading Capacity	EN 1533	4.0 KN	4.0/5.0 KN

### **Workmanship / Procedure of work:**

**1. Before Lying:** The building must be weather tight. All indoor jobs, which may induce moisture to the building, e.g., concrete casting, priming of paintwork, etc. must be completed. The relative humidity (RH) in the building must be in line with the expected RH when the building is in use. (In locations where heating systems are used, this must be installed and periodically – and constantly during the heating season – be in operation).

The RH should be controlled so that the total fluctuation of RH during the year does not exceed 30%.

In concrete subfloors the maximum equilibrium moisture content allowed is 90% RH and in wooden based subfloors maximum 12% moisture content.

The bundles of floor boards should not be opened until prior to use.

### **2. Flatness of the subfloor**

Before laying out the moisture barrier, the subfloor must be levelled to a maximum deviation of  $\pm 2$ mm on a 2 metre straight-edge.

The surface must be smooth; cavities and other roughness must be within  $\pm 0.6$ mm on a 0.25 metre straight-edge.

### **3. Moisture barrier**

On concrete floors, a moisture barrier of 0.2mm PE foil (with taped 200mm overlay) is laid out and folded up the walls to the upper edge of the later installed skirting.

When installed over existing wooden floors, the battens are laid directly on the wooden based subfloor without a moisture barrier, provided the existing construction includes a moisture barrier, correctly installed, and sufficiently ventilated.

#### **4. Laying out battens at fixed c/c distances of 363 or 311mm**

The battens are laid parallel to the gables (shortest side) of the hall at a fixed distance of 363.3mm (board length 2180mm divided by 6 spaces) or 311.4mm (board length 2180mm divided by 7 spaces), determined from the use of the floor (loading capacity) and the wood specie of the floor boards.

The first batten is placed at a distance of 100mm from the end of the room. The second batten is placed at a distance of 293mm (at = 363mm) or 241mm (at = 311mm) from the first batten.

Batten joints between rows are to distributed and staggered at minimum 600 mm.

The distance between batten ends to walls, net posts, pipes etc. must be minimum 30 mm.

#### **5. Reinforcements**

Extra battens are to be placed as reinforcement at net posts, pipes etc. and must be made elastic in the playing area of the floor.

In doorways and along the walls the battens are to be made un-elastic, by replacing elastic rubber strips with solid packing materials.

Where the floor is laid un-sectioned through doorways, the battens must be installed continuously.

#### **6. Laying of floorboards**

In floors wider than 12m, the installation of the floor boards must begin from the centre of the floor, going towards the walls. The two rows of boards are jointed groove against groove in the centre line by means of a loose tongue, which is glued to both rows of boards in the full length of the floor, secretly nailed.

In floors no wider than 12m, the installation of the floor boards can start from the side wall.

#### **7. Board pattern at batten distance 363 mm**

Boards are to be laid in a pattern where board ends in sections of 3 rows of boards are staggered  $2 \times 363.3 = 726.6\text{mm}$ .

Between each section, the board ends are to be staggered at  $3 \times 363.3 = 1090\text{mm}$ .

To secure that board ends are supported by battens.

For batten, distance of 311mm to be maintained.

#### **8. Board pattern at batten distance 311 mm**

Boards are to be laid in a pattern where board ends are staggered  $2 \times 311.4 = 622.8\text{mm}$ .

To secure that board ends are supported by battens.

The boards are to be nailed to the battens in accordance with a 10-board measurement, allowing the boards to expand and contract with the fluctuation in the climatic conditions within the building. The 10 - board measurement is to be specified on the basis of the expected maximum relative humidity level in the building when in use – and must show how much 10 boards must cover, when installed.

## **9. Nailing**

Boards are secretly nailed to the battens using 2.2x45mm machine nails, and installed according to the instructed 10-board measurement.

Nailing is done at an angle of 45-50° to the surface of the floor boards, and to a depth which allows a smooth assembling of the next board.

To ease the control of 10-board measurement during installation, and to secure full support from the batten, the boards are pressed towards the battens when nailing.

Note! To avoid splits in the floor boards, do not nail the boards to the battens, supporting the board end joints.

The 3 outer most floor boards as well as board ends towards the gables are to be face-nailed in every row of staves, before nail holes are filled with wood filler.

## **10. Distances to wall and other fixed installations**

The distance between the floor board and the longitudinal wall is 1.5mm per meter floor width, min 30mm and the distance between the floor boards and the end wall (gable) is 1.0mm per meter floor length, min 30mm.

Bushings are mounted with an internal diameter 40mm larger than the outside diameter of the net posts. Along the perimeter of the floor, the bushings are mounted eccentrically to the net posts towards the centre of the floor, to cope with any possible later expansion across the width of the floor.

## **11. Ventilation**

A ventilated skirting profile is to be mounted along the walls with minimum 30mm ventilation gaps.

The moisture barrier is brought to the upper edge of the skirting, and kept in position by the skirting profile, mounted to the wall.

**Mode of Measurement and Payment:** All modes of measurement and payment will be in Sq.mt.

### **Terms and Conditions:**

1. CKB Commerce College, Jorhat, Assam, reserves the right to accept or reject any or all tenders in full or part without assigning any reason whatsoever.
2. CKB Commerce, Jorhat, Assam, shall also not be bound to accept merely the lowest tender but the technical suitability, capability and superiority of the contractor/firm as well as after-installation service, etc. shall be of prime consideration for selection of contractor/firm.
3. The bidders must mandatorily furnish details of GST Number and PAN Number.
4. The bidders shall consider the prevailing and all the applicable tax rates while quoting the rates. They should be in INR.
5. The quotations shall include all specifications as detailed in the tender. Silence in any of the specifications will be interpreted as non-conformity with CKB Commerce College's requirement.
6. All the pages of the bid should be signed along with company's seal.
7. The tender is liable to be ignored if complete information is not given therein or if the particulars and date (if any) asked for in the terms and conditions are not mentioned.
8. That in case of any disputes between concerned parties under the contract dispute shall be settled through amicable resolutions and if not then only court of Jorhat will have exclusive jurisdiction to try and entertain suits between the parties under the Contract.
9. The contractor/firm shall take responsibility for any damages or defective installations for a minimum period of 12 months from the handover of the completed works, free of charge.
10. The terms and conditions of the tender are binding on both the parties

Date: 06-07-2024

Sd/

Principal



### **BID FORMAT**

Sl. No.	Requisite Details	
1	Name of the Bidder	
2	Address of the Bidder	
3	Contact Number	
4	Fax Number	
5	Mobile Number/ Landline Number (in working condition)	
6	Email	
7	Name of Authorised Signatory/ies	
8	GST Registered. No.	
9	Income Tax Number/ PAN/ GIR Number	
10	Year of Establishment	
11	Work Experience	
12	Name and Address of Banker	
13.	TIN Number (If any)	
14.	Work experience of a minimum of three high-quality projects in recent times	

Signature of the Bidder

With stamp and date