

INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY
STUDENTS ACTIVITY CENTRE
STUDENT'S GYMKHANA

Technical specifications to be added in the Technical & Financial Bid -
(As per the pre-bid meeting on 08.04.2022)

13. Badminton

Providing, supplying and fixing BWF (Badminton World Federation) approved Level 1A (Grade1) of 7mm thick top finished badminton Flooring. The under laying mat should be elastic premanufactured mat made from selected rubber bound with polyurethane of 5mm Thickness, Black colour, Regupol 6015 H P2P. High quality adhesive to be used for proper bonding of the surfaces. Marking of seven badminton courts to be done on the top finished layer of badminton courts as per instructions etc. all complete as directed.

The technical specifications of materials should be as following:

1. Specific weight: 690kg/m³
2. Weight per m³: 3.45kg
3. Tensile strength: 0.55 N/mm² -Following DIN EN ISO 1798
4. Elongation at break: 60% - Following DIN EN ISO 1798
5. Stress at 25% Compression: 0.50 N/mm² DIN EN ISO 3386-2
6. Force Reduction (without additional covering) 21% DIN 18032, part 2
7. Temperature Resistance: -40° C up to 115° C
8. Fire Resistance: Class E DIN EN 13501-1

18. Athletics

Providing, supplying and fixing IAAF certified Sandwich Style Synthetic Track including line markings for 6 lanes.

The dimensions of 100 mtr length by 7.5-8 mtr width (1.22-1.25 mtr lane width); 14mm thickness; along with proper drainage system and standardized lane marking. The system with polyurethane compound and fine EPDM granules, applied to a cast in place with base rubber crumb and clear polyurethane binder. The base layer would be open grade asphaltic concrete finishing layer along with the following layers forming proper sandwich system (1) Acrylic Resurface (Sealer/Filler coats/Primer coat as per IAAF) (2) Rubber Layer (Granules/Fibres and elastomer, poured out in-situ or prefabricated) (3) PU Seal layer (4) Acrylic non-textured top coat layer (5) Line markings of lanes to be done as per instruction of authorities etc. all complete as directed.

19. Football

Supply, Installation and finishing of Football Turf in accordance to the International Standards or approved. It should be of a European make, non-Chinese Turf fibre type – Hybrid Yarn.

Pile Height – 50 mm – 55mm. PU Baking with Pile weight – 864gm/m²; Stitch Rate/1m width should be 63 and length 130; Detex 17000 – 17500; water permeability - \geq 500mm/h; Rubber granules & Silica Sand as per FIFA test report only and as per FIFA specifications etc. all complete as directed.

Note: As received from the specific sports officers and edited by the SAC-in-Charge.