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TENDER NOTICE

**YADAVINDRA PUBLIC SCHOOL
PATIALA 147001**

**SETTING UP 25 & 50M INDOOR
SHOOTING RANGE**

Sealed tenders are invited by 20 May 2026 for design, specifications, BOQ, and rate submission for setting up an Indoor Underground .22 Rifle Shooting Range (25 m & 50 m) at YPS Patiala. The project includes civil works, soundproofing, automated firing points, electronic targets, and associated systems. Interested parties may visit the school website for details & submission guidelines:
www.ypspatiala.in.

TENDER DOCUMENT

Tender for Design, Specifications & Rate Submission Indoor Underground .22 Rifle Shooting Range (25 m & 50 m)

1. Subject

1.1 Invitation for submission of tenders for design, technical specifications, itemized BOQ, and rate (including rate per square foot) for setting up a 25 m and 50 m, .22 caliber indoor underground shooting range utilizing existing infrastructure:

2. Background

2.1 It is proposed to upgrade the existing underground structure into a modern, safe, and fully automated indoor shooting range.

2.2 Competent agencies are invited to submit complete design solutions along with detailed specifications and financial bids, enabling comparison and finalization of the project.

3. Existing Infrastructure

3.1 Underground hall approx. 26 m × 60 m × 5 m.

3.2 RCC roof slab with beams.

3.3 RCC side walls (~1 ft thickness).

3.4 Butt end with sand-filled bags up to 10 ft height backed by RCC wall.

3.5 PCC flooring available.

3.6 RCC pillars (~2 ft diameter).

3.7 Existing 10 m enclosed shooting range with wooden partitions.

4. Requirements / Observations

4.1 Adequate pillar protection against ricochet.

4.2 Side wall safety treatment.

4.3 Upgradation to meet standard indoor shooting range norms.

5. Scope of Work

5.1 The bidder shall provide end-to-end proposal, including design, specifications, and cost.

5.1 Civil & Safety Works

5.1.1 Floor treatment for ricochet reduction.

5.1.2 Cladding of roof beams.

5.1.3 Roof protection above shooter area.

5.1.4 Installation of ground baffles, side wall baffles, and roof/beam baffles.

5.1.5 Provision of modern bullet trap system.

5.2 Soundproofing & Acoustic Treatment

5.2.1 Complete soundproofing of indoor range.

5.2.2 Acoustic wall and ceiling panels.

5.2.3 Noise and vibration control as per standards.

5.3 Automation & Advanced Systems

5.3.1 Automated Firing Points

- (i) Fully equipped automated shooting lanes.
- (ii) Shooter booths with safety partitions.

5.3.2 Electronic Target System

- (i) Computerized targets with real-time shot display at shooter end.
- (ii) No manual target checking required.
- (iii) Shot grouping and scoring software.

5.3.3 Automatic Target Changing System

- (i) Mechanized target replacement and control system.

5.3.4 Monitoring & Control

- (i) Centralized control system.
- (ii) Individual display screens for shooters.

5.4 Electrical & IT Infrastructure

5.4.1 Power supply and backup.

5.4.2 Networking and data systems.

5.4.3 Integration of software and display systems.

5.5 Compliance

5.5.1 Compliance with relevant safety and shooting standards.

5.5.2 Fire safety and operational norms.

6. Bid Submission Requirements

6.1 Bidders shall mandatorily submit the following:

6.1 Technical Proposal

- 6.1.1 Detailed design drawings/layout.
- 6.1.2 Technical specifications of all systems.
- 6.1.3 Methodology and execution plan.

6.2 Financial Proposal

- 6.2.1 Item-wise BOQ with rates.
- 6.2.2 Rate per square foot (civil works).
- 6.2.3 Cost of automation systems, electronic targets, bullet traps, and acoustic treatment.
- 6.2.4 Total project cost.

7. Eligibility Criteria

- 7.1 Experience in similar projects (shooting ranges / specialized infrastructure).
- 7.2 Experience in automation/electronic systems preferred.
- 7.3 Experience in acoustic/soundproofing works.
- 7.4 Proven technical capability.

8. Evaluation Criteria

- 8.1 Technical design quality.
- 8.2 Compliance with requirements.
- 8.3 Cost competitiveness.
- 8.4 Innovation and practicality.

9. Submission Timeline

9.1 Issue Date: 06-05-2026

9.2 Submission Deadline: 20-06-2026

10. Important Note

10.1 The bidder shall quote complete turnkey solution.

10.2 Partial proposals shall not be accepted.

10.3 Rates must be clearly itemized and justified.

11. Site Inspection

11.1 Interested bidders, including public firms, are welcome to physically inspect the underground shooting range prior to submission of tenders.

11.2 Site visits may be conducted on working days with prior intimation to the issuing authority.

11.3 No claim shall be entertained later on grounds of lack of site knowledge.

11.4 Contact for site visit: bursar@ypspatiala.in copy to headmaster@ypspatiala.in

