

പീഎം ശ്രീ കേന്ദ്രീയ വിദ്യാലയം കെൽട്രോൺ നഗർ

पीएम श्री केंद्रीय विद्यालय केल्ट्रोन नगर

PM SHRI KENDRIYA VIDYALAYA KELTRON NAGAR



പി.ഒ. കണ്ണൂർ യൂണിവേഴ്സിറ്റി ക്യാമ്പസ് / പി.ഒ. കണ്ണൂർ विश्वविद्यालय कैंपस / P.O. KANNUR UNIVERSITY CAMPUS

കണ്ണൂർ, 670 567 (കേരളം)/കണ്ണൂർ, 670 567 (കേരളം) / KANNUR, 670 567 (KERALAM)/

ഇന്ത്യ ഗവൺമെന്റിന്റെ വിദ്യാഭ്യാസ മന്ത്രാലയത്തിന് കീഴിലുള്ള സ്വയംഭരണ സ്ഥാപനം / भारत सरकार शिक्षा मंत्रालय के अधीन स्वायत्त संस्था /

(Autonomous Body Under The Ministry of Education, Govt. of India)

Tel/Fax: 0497-2780 155

F. No.31391/391/2024-25/Quotation/KVKN/2026-27/

दिनांक: 18.09.2026

NOTICE INVITING QUOTATION

Sealed quotations are invited from experienced and eligible civil contractors for the work of **Providing and fixing Y-Post GI barbed wire fencing over the existing random rubble (RR) masonry compound wall** at the Vidyalaya premises.

Schedule & Venue Details

Date of Inviting Quotation	: 18.09.2026
Last Date & Time for Submission	: 28.09.2026 before 03:00 p.m.
Date & Time for Opening Quotations	: 28.09.2026 at 03:30 p.m.
Venue for Opening	: Principal's Office, Vidyalaya Premises

Scope of work is attached /can be download from school website.

Measurement & Rate Conditions :

- **Mode of Measurement:** The completed work shall be measured in Running Metres (RM) along the center line of the fence. Rate may be quoted for 300 meters of fencing.
- **Rate Inclusion:** The quoted rate per Running Metre shall be all-inclusive—covering materials, labor, shuttering, concrete, reinforcement, GI posts, barbed wire, tools, site clearance, debris removal, transportation, and all incidental works.

Submission Guidelines :

1. Interested parties can visit the school on working hours to inspect the site.
2. Quotations must be submitted in a sealed envelope marked: "**Quotation for Y-Post Barbed Wire Fencing**".
3. Submissions must reach the Principal's Office on or before 28.09.2026 by 03:00 PM. Quotations received after this deadline will be rejected.
4. Bids will be opened at 03:30 PM on 28.09.2026 in the presence of attending bidders or their authorized representatives.
5. The Principal reserves the right to accept or reject any or all quotations without assigning any reason.



थॉमस पी वी/Thomas P V

प्राचार्य/Principal

प्राचार्य / Principal

केन्द्रीय विद्यालय, केल्ट्रोन नगर

Kandriya Vidyalaya, Keltron Nagar

पि.ओ. कन्नूर, विश्वविद्यालय कैंपस

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पीएम श्री केंद्रीय विद्यालय केल्ट्रोन नगर
PM SHRI KENDRIYA VIDYALAYA KELTRON NAGAR

SPECIFICATION FOR PROVIDING AND FIXING Y-POST BARBED WIRE FENCING OVER EXISTING RANDOM RUBBLE MASONRY COMPOUND WALL.

1. Scope of Work

Providing and fixing GI/MS Y-type posts for barbed-wire fencing over the existing 450 mm wide random rubble masonry compound wall, including cutting and removing the existing RCC coping locally, construction of RCC pedestals, fixing of Y-posts, supply and fixing of GI barbed wire, necessary reinforcement, anchoring, welding, fasteners, labour, tools and all incidental works, complete as directed by the Engineer-in-Charge.

2. Existing Wall

- Type: Random rubble masonry compound wall
- Width: 450 mm
- Existing RCC coping: approximately 50 mm (2 inches) thick
- The existing coping shall be carefully cut and removed locally at each post location.
- Cutting shall be limited to the area necessary for construction of the RCC pedestal.
- The existing masonry shall not be unnecessarily damaged.

3. RCC Pedestal

- (i) Provide an RCC pedestal at each Y-post location after cutting/removing the existing RCC coping.
- (ii) Indicative pedestal size:
 - Length: 200 mm
 - Width: 200 mm - Height: 250 mm
- (iii) The pedestal shall be properly reinforced and bonded to the existing wall/coping as required.
- (iv) Reinforcement may comprise:
 - 4 nos. 8 mm dia. vertical bars
 - 6 mm dia. stirrups/ties at approximately 150 mm centres
- (v) The contractor shall provide proper shuttering, mixing, placing, compaction and curing of concrete.

4. Y-Type Post

- (i) Provide and fix suitable GI or properly galvanized MS Y-type posts.
 - Height of Y-post above the RCC pedestal: 600 mm overall, including the Y-shaped portion.
 - The 600 mm dimension shall be measured from the top of the RCC pedestal to the highest point of the Y-post.
 - The Y portion shall form an integral part of the post and shall be adequately welded/fabricated.
 - Post shall be securely fixed to the RCC pedestal using a suitable base plate and anchor bolts, or embedded in the RCC pedestal as approved.
 - Posts shall be installed vertically and in a straight line. And embedded in existing Random rubble masonry compound wall to secure more firmly.

5. Post Spacing

- (i) Y-posts shall generally be provided at approximately 2.0 to 2.5 metres centre-to-centre, or as directed at site.
- (ii) Spacing shall be adjusted at corners, ends and changes in direction to obtain a proper and uniform fence.

6. Barbed Wire

- (i) Provide and fix GI barbed wire, 4 to 5 horizontal strands, including all necessary clips, binding wire, tensioning arrangements and fixing accessories.
 - Vertical spacing between strands: approximately 250-300 mm
 - Wire shall be properly tensioned.
 - Barbed wire shall be securely fixed to the Y-posts.
 - At corners and ends, suitable additional tensioning/fixing shall be provided.

7. Protection Against Corrosion

- All exposed steel components shall be adequately protected against corrosion.
- GI/hot-dip galvanized posts, brackets and barbed wire are preferred. If MS posts are used, they shall receive suitable anti-corrosion primer and protective coating.

8. Workmanship

- (i) The work shall include:
 - Setting out and marking of post locations
 - Careful cutting/removal of existing RCC coping
 - Preparation of the pedestal location
 - Reinforcement and shuttering
 - RCC pedestal construction
 - Curing
 - Supply and fixing of Y-posts
 - Anchor bolts/base plates
 - Supply and fixing of GI barbed wire
 - Cutting, welding, drilling and fabrication wherever required
 - Cleaning and disposal of debris
 - All labour, materials, tools, tackles and incidental expenses

9. Measurement

- (i) The completed fencing shall be measured in running metres (RM) along the centre line of the fence.
- (ii) The quoted rate shall be inclusive of all materials, labour, transportation, fabrication, fixing, cutting of existing coping, RCC pedestal, reinforcement, fasteners, barbed wire and all incidental works, unless specifically excluded in the quotation.

10. Important Dimension for Quotation

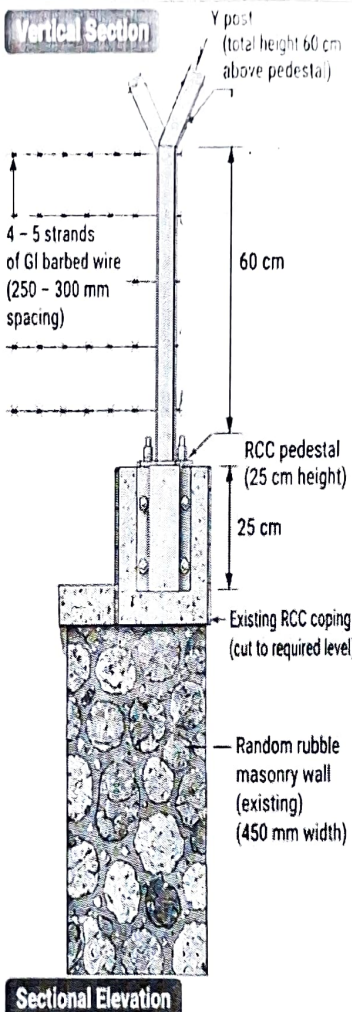
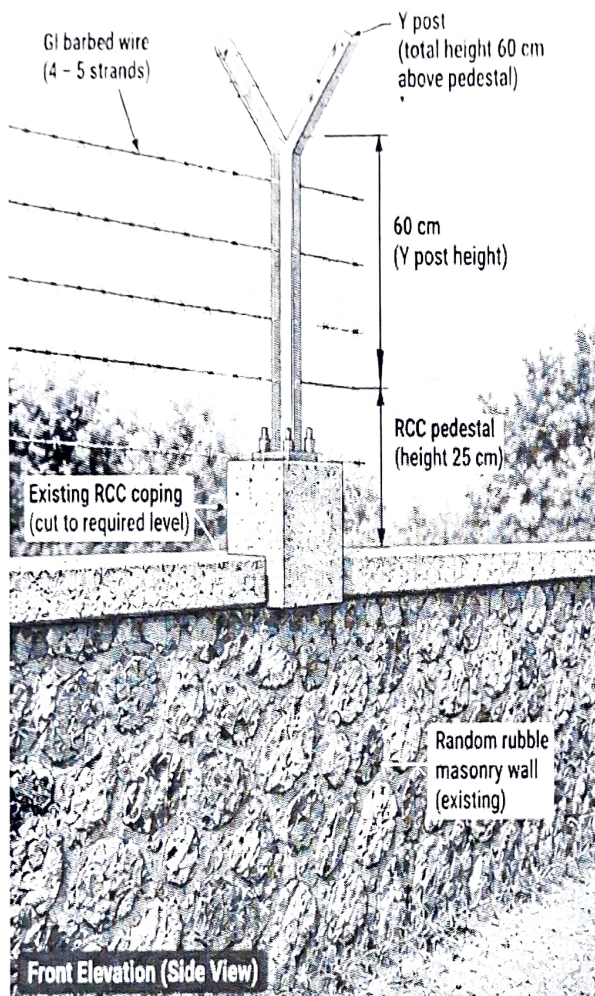
- Existing RR wall width: 450 mm
- Existing RCC coping: 50 mm thick
- RCC pedestal: 200 × 200 × 250 mm (indicative)
- Y-post height above pedestal: 600 mm including Y portion
- Removal of bushes, clear felling of tree's branches obstructing the proposed fencing shall be executed by the contractor at his own expenses



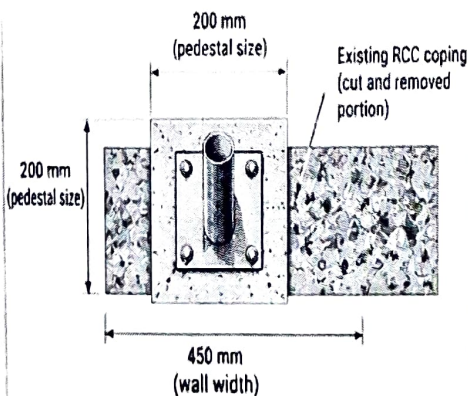

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D. Kannur University Campus
कन्नूर - 670 511, कन्नूर - 670 511

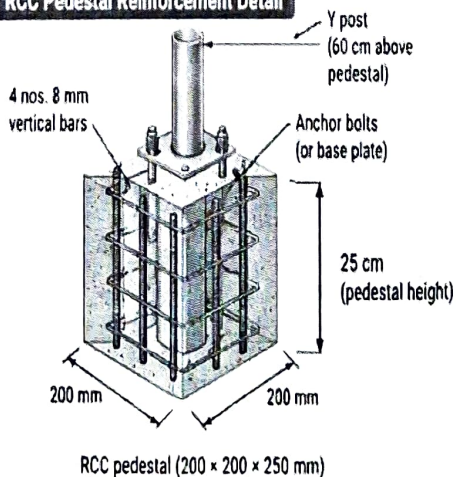
RCC Pedestal with Y Post Barbed Wire Fencing (Total Post Height 60 cm above Pedestal)



Plan View (Top View)



RCC Pedestal Reinforcement Detail



Key Dimensions

Total height above wall (Y post + pedestal)	85 cm (25 cm + 60 cm)
Y post height (above pedestal)	60 cm
Pedestal height	25 cm
Pedestal size (L x B)	20 cm x 20 cm
RCC pedestal reinforcement	4 nos. 8 mm bars with 6 mm ties
Wall width (existing)	45 cm
Spacing between posts	2.0 - 2.5 m
Barbed wire strands	4 - 5 nos.
Vertical spacing between strands	25 - 30 cm
Coping cut	To required level (to suit pedestal base)

Materials

- RCC (1:1.5:3) for pedestal
- TMT bars (8 mm & 6 mm)
- GI / MS Y post (60 cm above pedestal)
- GI barbed wire (4 - 5 strands)
- Anchor bolts / holding plates
- Cement, sand, aggregate, etc.

Notes

1. Cut the existing RCC coping to the required level before placing the pedestal.
2. Ensure proper curing of RCC pedestal (minimum 7 days).
3. Use corrosion resistant (galvanized) components.
4. Post spacing may be adjusted based on site conditions and security requirements.

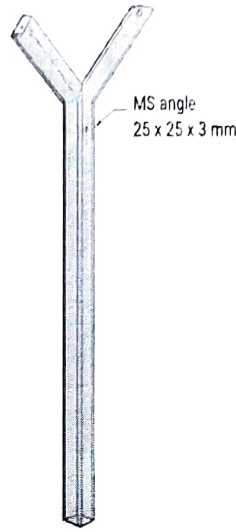
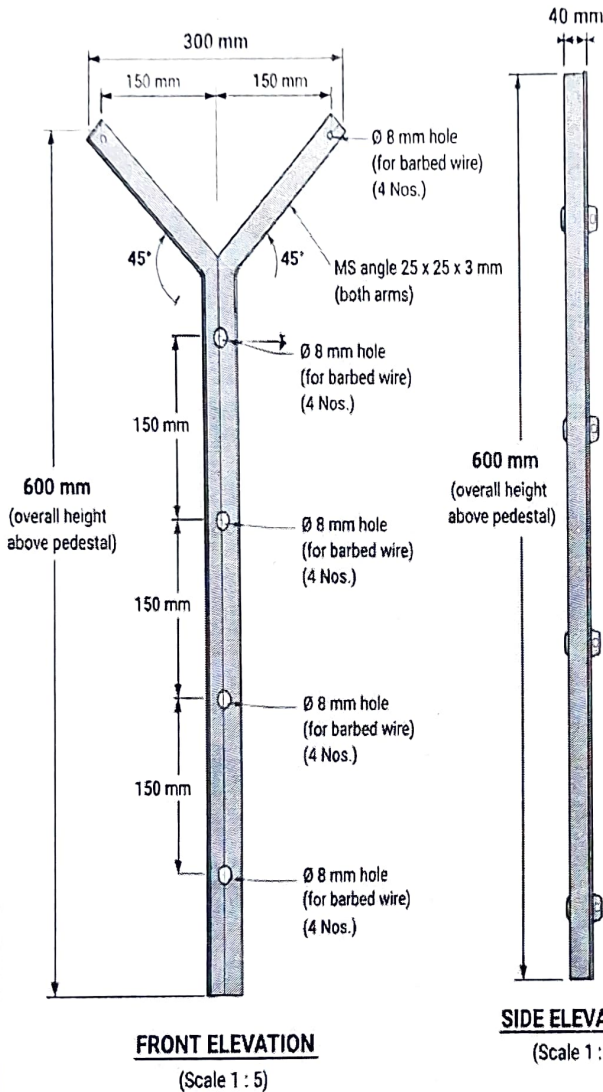
Construction Steps

1. Cut the existing RCC coping to required level
2. Fix reinforcement and shuttering for RCC pedestal (200 x 200 x 250 mm).
3. Pour and cure RCC pedestal.
4. Fix Y post with anchor bolts or embed in RCC (as per design).
5. Fix GI barbed wire strands (4 - 5 nos.).

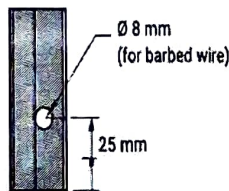
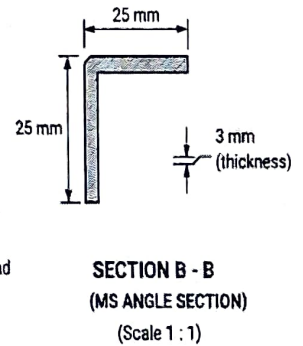
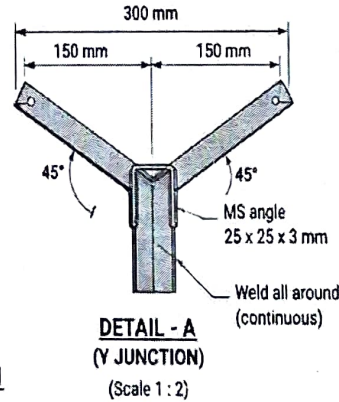


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MS ANGLE POST - FABRICATION DRAWING (FOR BARBED WIRE FENCING)



MATERIAL SPECIFICATION	
Post section	MS angle 25 x 25 x 3 mm
Y arms	MS angle 25 x 25 x 3 mm (both arms)
Total height (above pedestal)	600 mm (including Y portion)
Length of post (below Y portion)	As per site condition (typically 600 mm above pedestal)
Holes for barbed wire	Ø 8 mm (4 Nos.)
Finish	Metal primer + 2 coats of exterior paint



NOTES:

- All dimensions are in millimetres unless otherwise stated.
- MS angle should be of good commercial quality (IS 2062 / equivalent).
- All welds shall be continuous and neat.
- After fabrication, remove sharp edges and clean the surface.
- Apply metal primer and two coats of suitable exterior paint (as per site conditions).
- Holes for barbed wire shall be provided at 150 mm c/c as shown (4 Nos.).
- Post shall be securely fixed to RCC pedestal at site using anchor bolts / embedded arrangement as per design.

MS ANGLE POST FOR BARBED WIRE FENCING

SCALE : 1 : 5 (unless otherwise stated)

DATE : -

DRAWING NO. : YP-01

ALL DIMENSIONS ARE IN mm



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