



**OFFICE OF THE DIVISIONAL FOREST OFFICER, PURI WILDLIFE DIVISION,**  
**CHAKRATIRTHA ROAD, PURI – 752002**

**E-Mail:- dfo.puriwl@odisha.gov.in Telephone - 06752-228281.**

Request for Quotation (RFQ) For the providing and fixing of 3" x 3" GI Wire Chain Link Mesh with PVC Coating, including Material and Labor Costs at Blue Flag Beach, Puri.

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Sealed RFQ are invited from contractors / Manufacturer /Supplier / Retailer for providing and fixing of 3" x 3" GI Wire chain link mesh with PVC Coating including the cost of material, transportation, loading and unloading, fixing with labor cost at Blue Flag Beach, Puri.

The tender paper along with terms & condition & Technical specifications shall be submitted to the Office of the Divisional Forest Officer, Puri Wildlife Division, Puri, in the district of Puri, Odisha on or before dt. 06/01/2025 at 5 pm. through speed post/Regd Post/Tender Box. only. The tenders will be opened on dt. 07/01/2025 at 11 am at the office chamber of D.F.O, Puri.

The authority reserves the right to reject any or all the tenders without assigning any reason thereof.

**Terms & Conditions**

**1. Brand :**

The material should conform to high market standards and be sourced from reputed brands.

**2. Dimension :**

The dimensions of the GI wire chain link mesh with PVC Coating – Mesh Size 75 mm x 75 mm, Height 1.5 meter, GI wire Dia – 4 mm, with coating not less than 5mm, green color, both ends of the fabric knuckled.

3. The selected bidder should be responsible for the supply as well as installation of the material.

4. The work must be completed within 7 days of receiving the work order.

5. The EMD amount is Rs. 10,000/-

6. The successful bidder will submit the completion plan within 2 days of receiving the work order. If not submitted, then L2, L3, L4... bidder may be allowed to carry the work further at L1 cost.

  
Divisional Forest Officer,  
Puri Wildlife Division, Puri

Memo No. 8486 Dt. 26.12.2024

Copy submitted to the Collector, Puri for favour of kind information & necessary action.

  
Divisional Forest Officer,  
Puri Wildlife Division, Puri

Memo No. 8487 Dt. 26.12.2024

Copy forwarded to DTCN to the D.I.O, NIC, Puri for information & necessary action. He is requested to upload the advertisement in the website [www.purimunicipality.nic.in](http://www.purimunicipality.nic.in) & [www.puri.odisha.gov.in](http://www.puri.odisha.gov.in).

  
Divisional Forest Officer,  
Puri Wildlife Division, Puri

Memo No. 8488 Dt. 26.12.2024

Copy to Office Notice Board, O/o D.F.O, Puri, Wildlife Division, Puri for information and necessary action.

  
Divisional Forest Officer,  
Puri Wildlife Division, Puri

## Technical Specification

### Chainlink fencing with

1. Technical Specification: GI Mesh
  1. Conform to Indian Standard: IS:2721-2003 Latest
  2. Material: Heavy Coated Galvanizes Wire confirm to IS 2721/2003 and IS: 280/2006
  3. Mesh Size in inch: 3" x 3"
  4. Diameter of Mesh Wire (gauge): 4 mm without coating, not less than 5 mm with PVC coat
  5. Width: 1.5 meters
  6. Type of Selvage: Both ends of the fabric knuckled
  7. Delivery and installation: at Blue Blag Beach, Puri



### List of Documents Required:

1. Filled in Bid Submission Check List in Original (Annexure I)
2. Covering Letter (TECH -1)
3. Bid Processing Fee & Earnest Money Deposit (EMD) as applicable
4. Copy of Certificate of Incorporation/ Registration
5. Copy certifying authorised seller of the particular brand/Make.
6. Copy of PAN
7. Copy of Goods and Services Tax Identification Number (GSTIN)
8. Copy of the latest GST clearance certificate/Return.
9. Copy of the latest IT clearance certificate/Return.
10. General Details of the Bidder (TECH – 2)
11. Power of Attorney (TECH – 3) in favour of the person signing the bid on behalf of the bidder.
12. Undertaking for not having been black-listed by any Central / State Government / Any other autonomous bodies/ International & National Organization in the recent past.
13. Self-Declaration on Potential Conflict of Interest (TECH - 4)
14. Financial Bid Format – 1
15. Financial Bid Format - 2

## SUBMISSION OF CHECK LIST

### CHECK LIST

Annexure – I

Sl.No.	Description	Submitted (Yes/No)	Page No.
<b>TECHNICAL PROPOSAL (ORIGINAL + 1 COPY)</b>			
1	Filled in Bid Submission Check List (ANNEXURE-I)		
2	Covering Letter (TECH -1)		
3	Bid Processing Fee of Rs.____/- in form of DD Rs. _____/-in shape of Demand Draft		
4	Copy of Certificate of Incorporation / Registration of the Bidder in case of companies		
5	Copy of PAN		
6	Copy of Goods and Services Tax Identification Number (GSTIN)		
7	Copies of Latest GST Return		
8	Copies of Latest IT Return		
9	General Details of the Bidder (TECH - 2)		
10	Power of Attorney (TECH-3) in favour of the person signing the bid on behalf of the bidder.		
11	Self-Declaration on Potential Conflict of Interest (TECH - 4)		
12	Undertaking for not have been black-listed by any Central / State Govt. / any Autonomous bodies during its business career.		
<b>FINANCIAL PROPOSAL (ORIGINAL + 1 COPY)</b>			
1	Covering Letter (FIN-1)		
2	Summary of Financial Proposal (FIN-2)		

#### **Undertaking:**

All the information has been submitted as per the prescribed format and procedure.

Each part has been separately bound with no loose sheets and each page of all the two parts are page numbered along with Index Page.

All pages of the proposal have been sealed and signed by the authorized representative.

Authorized Signatory [In full and initials]:

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**Technical Proposal Submission Forms**

**COVERING LETTER**

(ON BIDDER'S LETTER HEAD)

To  
The Divisional Forest Officer  
Puri Wildlife Division-752002

Subject: Supply and Installation of 3" x 3" GI Wire Chain Link Mesh with PVC Coating, including Material and Labor Costs at Blue Flag Beach, Puri,

I, the undersigned, offer to provide the services for the proposed assignment in respect to your Request for Proposal No. \_\_\_\_\_, Dated: \_\_\_\_\_.

I, hereby submit the proposal which includes this technical proposal sealed under a separate envelope. Our proposal will be valid for acceptance up to 120 Days and I confirm that this proposal will remain binding up on us and may be accepted by you at any time before this expiry date.

All the information and statements made in this technical proposal are true and correct and I accept that any misinterpretation contained in it may lead to disqualification of our proposal. If negotiations are held during the period of validity of the proposal, I undertake to negotiate on the basis of the proposal submitted by us. Our proposal is binding upon us and subject to the modifications resulting from contract negotiations.

I have examined all the information as provided in your Request for Proposal (RFQ) and offer to undertake the service described in accordance with the conditions and requirements of the selection process. I agree to bear all costs incurred by us in connection with the preparation and submission of this proposal and to bear any further pre-contract costs. In case, any provisions of this RFQ/ ToR including of our technical & financial proposal is found to be deviated, then your department shall have rights to reject our proposal including forfeiture of the Earnest Money Deposit absolutely. I confirm that, I have the authority to submit the proposal and to clarify any details on its behalf.

I understand you are not bound to accept any proposal you receive. I remain.

Yours faithfully,

Authorized Signatory with Date and Seal:

TECH - 2

**Bidder's Organization (General Details)**

Sl. No.	Description	Full Details
1.	Name of the Bidder	
2.	Address for communication: Tel : Fax: Email id :	
3.	Name of the authorized person signing & submitting the bid on behalf of the Bidder: Mobile No. & :Email id :	
4.	Registration / Incorporation Details Registration No: Date & Year. :	
5.	Local office in Odisha If Yes, please furnish contact details	Yes / No
6.	EMD Details Amount: TDR/FD/Postal Deposit No. : Date: Name of the Bank:	
7.	PAN Number	
8.	Goods and Services Tax Identification Number (GSTIN)	
9.	Willing to carry out assignments as per the scope of work of the RFQ	YES
10.	Willing to accept all the terms and conditions as specified in the RFP	YES

Authorized Signatory [In full and initials] :

Name and Designation with Date and Seal :

FORMAT FOR POWER OF ATTORNEY (On Bidder's Letter Head)

I, \_\_\_\_\_, the \_\_\_\_\_ (Designation)  
of (Name of the Organization) in witness whereof certify that <Name of person> is authorized to  
execute the attorney on behalf of <Name of Organization>, <Designation of the person> of  
the company acting for and on behalf of the company under the authority conferred by  
the <Notification/ Authority order no.> Dated <date of reference> has signed this Power  
of attorney at <place> on this day of <day> <month>, <year>.

The signatures of <Name of person> in whose favour authority is being made  
under the attorney given below are here by certified.

Name of the Authorized Representative:

\_\_\_\_\_  
(Signature of the Authorized Representative with Date)

CERTIFIED:

Signature, Name & Designation of person executing attorney:

Address of the Bidder:

**INFORMATION REGARDING ANY CONFLICTING ACTIVITIES AND  
DECLARATION THEREOF**

**IN BIDDER' S LETTER HEAD**

I, hereby declare that our firm / company as an Individual is not indulged in any such activities which can be termed as the conflicting activities as mentioned in Section 2: [Information to the Bidder] under Eligibility Criteria: Para (6).

I, also acknowledge that in case of misrepresentation of any of the information, our proposal / contract shall be rejected / terminated by the Client which shall be binding on us.

Authorized Signatory [In full initials with Date and Seal]: \_\_\_\_\_

Communication Address of the Bidder:

**COVERING LETTER (In Bidder's Letter Head)**

Fin - 1

Location, Date

To

The Divisional Forest Officer, Puri

Subject: Financial Quote-Authorized Signatory [In full and initials]:

Name and Designation with Date and Seal:

Note: Bidders are requested to furnish the list limited to <Nos> assignments of similar undertaken during the last <Nos> Financial Years (to be decided accordingly) as per the above prescribed format only. Information not conforming to the above format will be treated as non-responsive. Copies of the Workorder/ Contract Document/Completion Certificate from the previous Clients need to be furnished along with the above information.

Sir,

I, the undersigned, offer to supply and installation of items for [Insert title of items] in accordance with your Request for Proposal No. \_\_\_\_, Dated: \_\_\_\_\_. Our attached Financial Proposal is for the sum of [Insert amount(s) in words and figures\*].

The above quoted amount is inclusive of the taxes applicable as per GST Act. I do hereby undertake that, in the event of acceptance of our bid, the services shall be provided in respect to the terms and conditions as stipulated in the RFP document.

Our financial proposal shall be binding upon us subject to the modifications resulting from contract negotiations, up to expiration of the validity period of the proposal of 120 days. I have carefully read and understood the terms and conditions of the RFP and do hereby under take to provide the service accordingly.

I understand that you are not bound to accept any proposal you receive. I remain,

Yours faithfully,

Authorized Signatory [In full and initials]  
Name and Designation of Signatory with  
Date and seal:

\*Amount must match with the one indicated in Fin-2.

FIN - 2

SUMMARY OF FINANCIAL PROPOSAL

Sl. No.	Description of Work	Unit	Rate (Rs.) for One Item	
			Rate in Figure	Rate in Words
01.	<p>Supply and Installation of 3" x 3" GI Wire Chain Link Mesh with PVC Coating, including Material and Labor Costs at Blue Flag Beach, Puri</p> <p><b>Specification:</b></p> <p>Mesh Size 75 mm x 75 mm, Height 1.5 meter, GI wire Dia – 4 mm, with coating not less than 5mm, green color, both ends of the fabric knuckled.</p>	Per Square meter		

Bidders shall submit the financial proposal as per the prescribed format given above in both figures and words, and signed by the Bidder's Authorized Representative. In the event if any difference between figures and words, the amount indicated in words shall prevail.

All costs and charges, related to the offer, shall be expressed in Indian Rupees only and the total cost shall be inclusive of any other taxes & duties etc. including GST.

Note: The rates quoted above does not guarantee any work order, and at the time of



finalization of the rates. The rates quoted above could be rationalized by the authority which will be acceptable to me/us. It is further accepted that DFO Puri, would be free to issue workorder to any firm empaneled with Govt. of Odisha.

I / we shall have no objection to the decision and selection of any empanelled supplier for work order as finalized by Purchase Committee.

Authorized Signatory [In full and initials]: \_\_\_\_\_

Name and Designation with Date & Seal:

  
Divisional Forest officer  
Puri Wildlife Division, Puri

IS 2721 : 2003

भारतीय मानक  
जस्तीकृत इस्पात चेन लिंक जेगले का  
कपड़ा — विशिष्टि  
( दूसरा पुनरीक्षण )

*Indian Standard*  
GALVANIZED STEEL CHAIN LINK FENCE  
FABRIC — SPECIFICATION  
( *Second Revision* )

ICS 77.140.65; 91.090

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**BUREAU OF INDIAN STANDARDS**  
MANAK BHAVAN, 9 BHADUR SHAH ZAFAR MARG  
NEW DELHI 110002

July 2003

Price Group 3

## FOREWORD

This Indian Standard (Second Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Wire Ropes and Wire Products Sectional Committee had been approved by the Mechanical Engineering Division Council.

This standard was first issued in 1964. The first revision of this standard entitled 'Specification for galvanized steel wire, chain link fences' was taken up in order to bring the standard in line with modern manufacturing practices. Following were some of the important changes made in the first revision:

- a) The requirement pertaining to straining posts, struts and other fittings was deleted as it had been felt that this was not the appropriate standard for inclusion of these items.
- b) In view of the above, the title of the standard was modified.
- c) A table containing the detailed dimensions of various sizes of fabric replaced the table giving the purpose for which the various fabrics were to be employed.
- d) Reference was made to IS 280 : 1978 'Mild steel wire for general engineering purposes (*third revision*)' as far as the material is concerned.
- e) Test requirements were clearly laid down.

As a result of further experience gained in modern manufacturing practices, multiple civil applications and purchaser's requirements during the recent years, it has been decided to revise this standard aligning the requirements with the practices being followed by the industry and the following changes have been made:

- a) Type of selvage has been introduced.
- b) Length and width of fabric has been made as per purchaser's requirement.
- c) The zinc-coating requirement has been modified to heavy coating.
- d) Line wire has been provided only for fencing purposes for all sizes.
- e) Packing clause has been suitably amended.
- f) Additional mesh sizes in various wire diameters have been introduced.
- g) Tolerances on mesh sizes have been marginally increased.
- h) Sampling plan for acceptance test as per IS 280 has been introduced.

In the formulation of this standard, assistance has been derived from the following publications:

BS 4102 : 1971 'Specification for steel wire for fences,' issued by the British Standards Institution.

ASTM A 392 : 1996 'Specification for zinc-coated steel chain link fence fabric', issued by the American Society for Testing and Materials.

DIN 1199 : 1970 'Chain link fencing', issued by Deutsches Institut für Normung (DIN).

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

*Indian Standard*

# GALVANIZED STEEL CHAIN LINK FENCE FABRIC — SPECIFICATION

( *Second Revision* )

## 1 SCOPE

1.1 This standard covers the requirements for galvanized steel chain link fence fabric intended for various purposes.

1.2 This standard does not cover the requirements pertaining to straining posts, struts, base plates and other fittings.

## 2 REFERENCES

The following standards contain provisions, which through reference in this text constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

<i>IS No.</i>	<i>Title</i>
280 : 1978	Mild steel wire for general engineering purposes ( <i>third revision</i> )
1608 : 1995	Mechanical testing of metals — Tensile testing ( <i>second revision</i> )
1717 : 1985	Method for simple torsion test for wire ( <i>second revision</i> )
1755 : 1983	Method for wrapping test for metallic wire ( <i>first revision</i> )
4826 : 1979	Hot dipped galvanized coatings on round steel wires ( <i>first revision</i> )
4905 : 1968	Methods for random sampling
12753 : 1989	Electro galvanized coatings on round steel wire — Specification

## 3 TERMINOLOGY

For the purpose of this standard, the following definitions shall apply.

**3.1 Chain-Link Fence Fabric** — A fencing material made from steel wire helical wound and interwoven in such a manner as to provide a continuous mesh without knots or ties except in the form of knuckling or of twisting the ends of the wires to form the selvage of the fabric.

**3.2 Selvage** — Selvage is the type of twist on the top and bottom ends of the fabric.

**3.3 Knuckling** — The type of selvage obtained by

interlocking adjacent pairs of wire ends and then bending the wire ends back into a loop.

**3.4 Twisting** — The type of selvage obtained by twisting adjacent pairs of wire ends together in a close helix.

## 4 TYPE OF SELVAGE

The fabric shall be supplied in any of the following types of selvages given in Fig.1 as per the requirement of the purchaser:

4.1 Both ends of the fabric twisted (*see Fig. 1A*).

4.2 One end of the fabric knuckled and the other end twisted (*see Fig. 1B*).

4.3 Both ends of the fabric knuckled (*see Fig. 1C*).

4.4 Both ends of the fabric without knuckling and twisting (*see Fig. 1D*).

## 5 MATERIAL

The mesh wire and the line wire of the fabric shall be manufactured from galvanized steel wire conforming to IS 280, having a tensile strength within the range of 400 to 550 MPa.

## 6 DIMENSIONS AND TOLERANCES

6.1 Dimensions and tolerances shall be as given in 6.2, 6.3, 6.4, 6.5 and Table 1.

### 6.2 Mesh Size

The mesh size shall be determined by measuring the minimum clear distance between the wires forming the parallel sizes of the mesh when measured in normal stretched condition. The mesh sizes shall be as given in Table 1.

### 6.3 Width

The width of fabric shall be the overall dimension from one extreme line wire to other extreme line wire and shall be checked in fully stretched condition. The fabric shall be manufactured in widths of 0.90 m, 1.20 m, 1.50 m, 1.80 m, 2.00 m, 2.50 m, and 3.00 m or as per the requirement of the purchaser. The tolerance on the width shall be  $\pm 0.7$  of the mesh size.

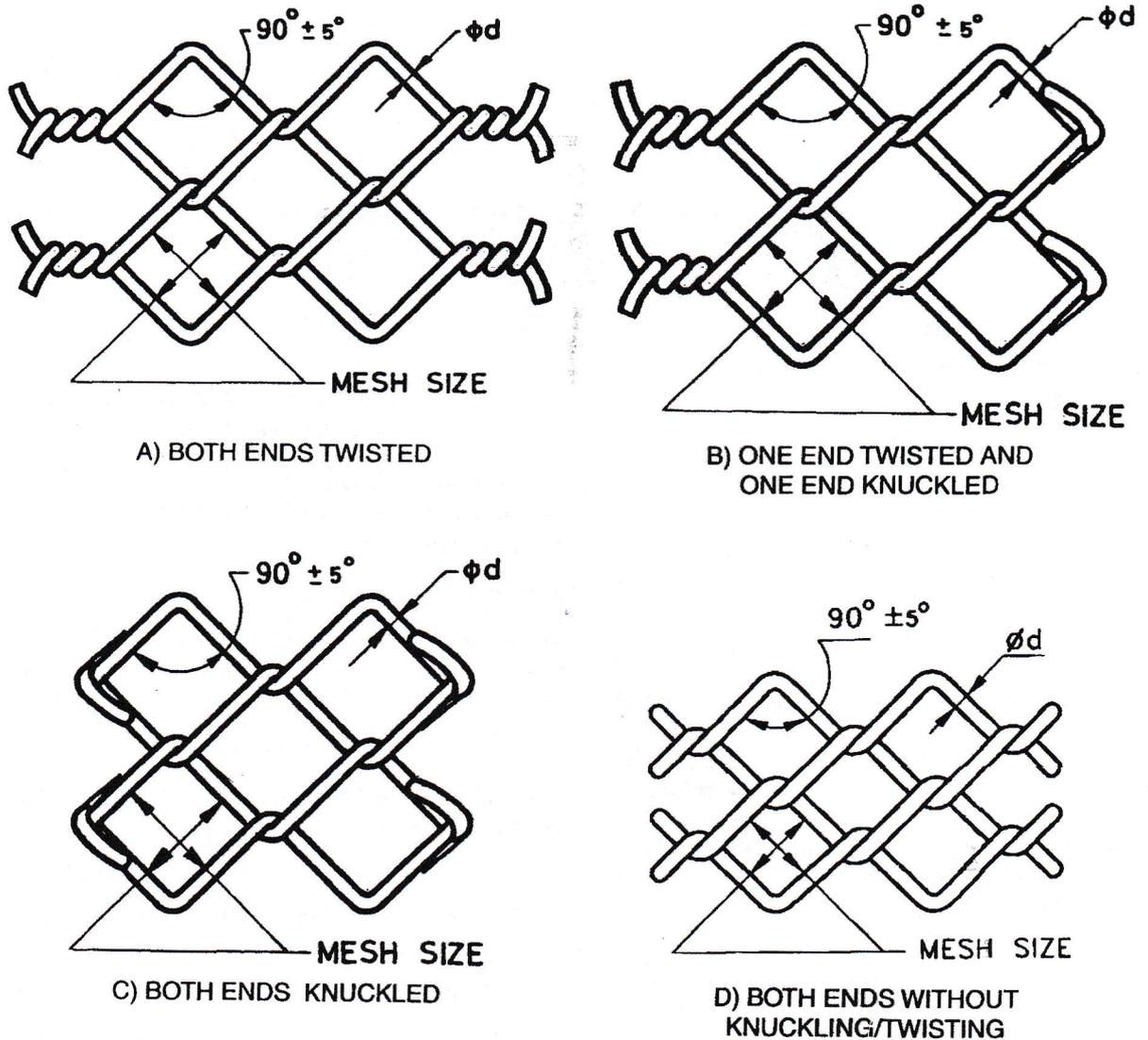


FIG. 1 TYPE OF SELVAGE

#### 6.4 Length

The fabric shall be supplied in rolls of 5.0 m, 10.0 m, 15.0 m, 20.0 m and 25.0 m or as per the requirement of the purchaser. The supplied length shall not be less than the above values when measured in fully stretched condition.

#### 6.5 Tolerance on Wire Diameter

Tolerances permitted on the diameter of mesh and line wire shall be as given in IS 280.

### 7 WORKMANSHIP AND FINISH

7.1 Each roll shall be warranted to contain no weld joint or splice whatsoever. The wire shall be circular and shall be free from scales, irregularities, imperfections, flaws, sand splits and other defects. The zinc coating shall be smooth, even and bright.

7.1.1 The rust formation on the cut ends of the wire at the fabric selvages are inherent characteristics of this material and do not warrant rejection of the fabric.

#### 7.2 Line Wire

The fabric shall be provided with heavily coated galvanized line wires, as given in Table 1 to act as additional selvage to strengthen the fabric when used for fencing purposes or as per the requirement of the purchaser. The line wire may be supplied separately in coils/bundles/cut lengths to be used for fencing purposes. The line wires are required to be inserted after erecting the fabric with straining posts. Two number of line wires for fabric of height upto 2 m to be provided one each at top and bottom of the fabric. Three numbers of line wire for fabric of height 2.50 m and more to be provided one each on top, middle and bottom of the fabric.

**Table 1 Dimensions and Tolerances**  
(Clauses 6.1, 6.2 and 7.2)

Mesh Size	Nominal Dia of Mesh Wire	Line Wire		
		Diameter	Number of Wires	
mm	mm	mm	Up to and including 2 m width	Above 2 m width
(1)	(2)	(3)	(4)	(5)
25 ± 3	2.00	2.50	2	3
	2.50	3.15	2	3
	3.15	4.00	2	3
40 ± 4	2.00	2.50	2	3
	2.50	3.15	2	3
	3.15	4.00	2	3
	4.00	4.50	2	3
50 ± 4	2.50	3.15	2	3
	3.15	4.00	2	3
	4.00	4.50	2	3
	4.50	5.00	2	3
63 ± 4	3.15	4.00	2	3
	4.00	4.50	2	3
	4.50	5.00	2	3
75 ± 4	3.15	4.00	2	3
	4.00	4.50	2	3
	4.50	5.00	2	3
	5.00	5.50	2	3
100 ± 5	3.15	4.00	2	3
	4.00	4.50	2	3
	4.50	5.00	2	3
	5.00	5.50	2	3
125 ± 5	4.00	4.50	2	3
	4.50	5.00	2	3
	5.00	5.50	2	3
150 ± 5	4.00	4.50	2	3
	4.50	5.00	2	3
	5.00	5.50	2	3

NOTE — Sizes other than those mentioned above shall be supplied subject to agreement between the purchaser and the manufacturer.

## 8 GALVANIZING

The chain link fence fabric shall have zinc coating of type 'heavy' as given in IS 4826 or in IS 12753.

## 9 TESTS FOR FABRIC

### 9.1 Test on Wires

#### 9.1.1 Tensile Test

The tensile strength of mesh and line wire when tested in accordance with IS 1608 shall be within the range of 400 to 550 MPa.

#### 9.1.2 Wrapping Test

The mesh and line wires shall be subjected to wrapping test in accordance with IS 1755. The wires shall not

break or split when wrapped eight times round its own diameter and subsequently straightened.

#### 9.1.3 Twist Test

The mesh and line wires on a length equal to 100 diameters between vices, shall withstand not less than 18 twists (see IS 1717).

#### 9.1.4 Bend Test

Mesh wire and line wire of 5 mm diameter and above shall be subjected to this test. The wire shall withstand being bent through an angle of 90° round a former of diameter equal to twice its own diameter without breaking or splitting.

## 9.2 Galvanizing Test on Complete Fabric

The line wire shall meet the requirements as laid down for heavy coating of IS 4826 or IS 12753. The mesh wire shall meet the requirement as laid down in IS 4826 or IS 12753 providing up to 10 percent less than the minimum mass of zinc coating specified and to withstand one dip of half-minute duration less than that specified. The specimens shall include straight sections and shall not include either twists or knuckles.

## 10 SAMPLING

Unless otherwise agreed to between the manufacturer and the purchaser the sampling plan given in Annex A shall be followed.

## 11 PACKING

Each bundle/roll of fabric shall be suitably bound and fastened compactly. If required by the purchaser, each bundle/roll shall be protected by suitable wrapping of gunny jute or canvas fabric.

## 12 CERTIFICATION AND REPORTS

When required by the purchaser in the contract or order, a producer or supplier certification that the material was manufactured in accordance with this specification and has been found to meet the requirements shall be given. When specified in the purchase order or contract, a report of the test results shall be furnished.

## 13 MARKING

13.1 Each roll shall be provided with a metal or cloth label bearing the following information:

- Manufacturer's name and/or trade-mark,
- Lot number and roll number,
- Mesh size and diameter of line and mesh wires,
- Length and width of the fabric, and
- Any other particular specified by the purchaser.

**13.2 BIS Certification Marking**

13.2.1 Each roll may also be marked with the Standard Mark.

13.2.1.1 The use of the Standard Mark is governed by the provisions of the *Bureau of Indian Standards Act*,

1986 and the Rules and Regulations made thereunder. The details of conditions under which a licence for the use of the Standard Mark may be granted to the manufacturers or the producers may be obtained from the Bureau of Indian Standards.

**ANNEX A**

(Clause 10)

**SAMPLING AND CRITERIA FOR CONFORMITY**

**A-1 LOT**

A-1.1 In any consignment, all the rolls/bundles of fabric of the same mesh wire diameter, mesh size, width of the fabric and length of the bundle/roll, manufactured under similar condition shall be grouped together to constitute a lot.

A-1.1.1 Samples shall be taken from each lot and tested for conformity to the standard.

**A-2 SAMPLING**

A.2.1 The number of rolls/bundles taken from a lot shall be according to Table 2. These samples shall be taken on random basis (see IS 4905).

Sample rolls of complete fabric selected shall be checked for dimensional requirements, namely mesh size, wire diameter, length, width, selvage and workmanship.

**A-3 PREPARATION OF SAMPLES AND NUMBER OF TESTS**

**A-3.1 Tests for Physical Requirements**

From the coils selected from col 1 and 2 of Table 2, adequate length of test piece shall be cut from each end and subjected to physical tests, namely, size, workmanship and finish, tensile, bend, twist, wrapping and coating tests. A test piece failing in any one of the requirements shall be called a defective. If the defectives found are less than or equal to the permissible number of defectives specified in col 3 of Table 2, the lot shall be considered to have conformed to physical requirements.

**A-3.2 Tests for Chemical Requirements**

Unless otherwise agreed, the following procedure shall be followed for chemical requirements:

From those test pieces, which have conformed to physical requirements, further test pieces shall be selected at random according to col 4 of Table 2. These samples shall be tested for all the chemical requirements. If a test piece fails to meet the respective chemical requirement, it shall be called a defective. The lot shall be considered to have conformed to the chemical requirements if all the individual test pieces tested for chemical requirements pass the test.

**A-4 CRITERIA FOR CONFORMITY**

A-4.1 A lot shall be considered to have conformed to the requirements of the specification if A-3.1 and A-3.2 are satisfied.

**Table 2 Scale of Sampling and Permissible Number of Defectives**  
(Clause A-2.1)

No. of Bundles/ Rolls in a Lot	No. of Bundles/ Rolls for Physical/ Dimensional Requirements <sup>1)</sup>	Permissible Number of Defective Bundles/ Rolls	No. of Tests for Chemical Requirements
(1)	(2)	(3)	(4)
Up to 25	2	0	1
26 to 50	3	0	1
51 to 150	5	0	2
151 to 300	8	1	2
301 and above	13	1	2

<sup>1)</sup> Testing as per 9.1.1 to 9.1.4 shall be done on wires (of coils used in the fabric) before fabric is made.

## ANNEX B

(Foreword)

## COMMITTEE COMPOSITION

## Wire Ropes and Wire Products Sectional Committee, ME 10

<i>Organization</i>	<i>Representative(s)</i>
Directorate General of Mines Safety, Dhanbad	SHRI D. SAHA ( <i>Chairman</i> ) SHRI S. P. BANSAL ( <i>Alternate</i> )
Amar Promoters Pvt Ltd, Solan	SHRI VIRENDER AGARWAL SHRI JATINDER AGARWAL ( <i>Alternate</i> )
Bharat Coking Coal Ltd, Dhanbad	SHRI R. K. PRASAD
Bharat Wire Ropes Ltd, Mumbai	SHRI D. M. SHAH SHRI S. N. SINGH ( <i>Alternate</i> )
Central Mining Research Institute, Dhanbad	SHRI S. P. CHAUDHARY SHRI A. MAHATO ( <i>Alternate</i> )
Directorate General of Aeronautical Quality Assurance, New Delhi	SHRI S. B. PRASAD SHRI SANJAY CHAWLA ( <i>Alternate</i> )
Directorate General of Civil Aviation, New Delhi	SHRI R. C. GUPTA SHRI M. M. KAUSHAL ( <i>Alternate</i> )
Eastern Coalfields Ltd, Kolkata	SHRI H. K. CHAKRABORTY SHRI KAPIL K. RAJ ( <i>Alternate</i> )
Fort William Industries Ltd, Hooghly	SHRI J. L. RATHI SHRI BASUDEB BANERJEE ( <i>Alternate</i> )
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