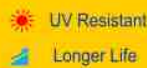
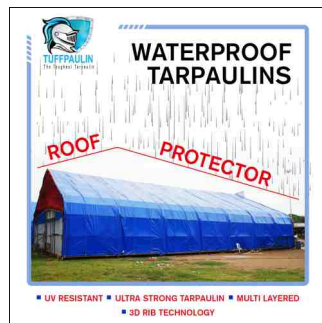




# TUFFPAULIN®

MLCL Multi Layered  
Cross Laminated Film

The Toughest Tarpaulin



Manufactured by: Hi-Tech International, Khopoli, Mumbai  
Email: info@tuffpaulin.com  
Website: www.tuffpaulin.com  
Mobile: +91 9814309000



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## PRODUCT DESCRIPTION

### PRODUCT DESCRIPTION:

The Tuffpaulin Film is an ultra high strength polymeric film which is made from several complex formulations of additives and processes. The film is made by cross lamination and cross bonding of polymeric substances which remain stable under extreme pressure, stress, sunlight or impacts.

The criss cross layers in the film make bonding perfect and practically unalterable. This is a better alternate to HDPE fabrics, Polyethylene sheets and other coverings normally used in similar applications. A regular Tuffpaulin film is a 150-250% more strong than a regular Polyethylene film meaning that practically only 50% of the weight of the film can be used to obtain same results.

### FEATURES:

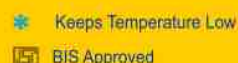
- Light Weight yet tough.
- Inert to most chemicals, alkalis, acids and acid fumes.
- UV Stabilised.
- Heat Sealed, stronger and thus 100% leakproof.
- 100% Water proof, Rot proof and Weather proof
- Accidental tear does not expand hence easily repairable.
- Available in Attractive colours and various thicknesses
- Being flexible convenient for covering irregular shapes and sizes.
- Excellent tear / tensile / puncture and impact resistance
- Ultrasonically welded super strong plastic eyelets / aluminium eyelets

### APPLICATIONS:

I. **GENERAL APPLICATIONS** : Covering machinery, raw material, packing material, finished products, paper cartons, protection for any transit materials, Shed covers offering protection against Sun / Rain / Dew / Dust, Truck Tarpaulin, Privacy Walls, Camping Tents, Shelter for poor people / Temporary Shelter, Scaffolding at construction sites etc.

II. **AGRICULTURE APPLICATIONS** : Drying of Spices, Areca nuts, Coconut, Rubber, Chillies, Turmeric, Grapes (Raisin) and other agricultural products, Fumigation of Tobacco Leaves, Food Grains, Grapes and other agricultural produce, Covering of agricultural produce (pre and post harvest sheets), Floor Underlays (Dunnage sheets), Small ponds for fresh Drinking Water, Farm Ponds for Cultivation, Fish Farming, Algae Cultivation, Ajola Farming, Rain Water Harvesting etc., Poultry Curtains and Roofs, Covering of Tendu Leaves, Tamrind & other Forest / Hill Produce.

III. **STEEL MILLS APPLICATIONS**: VCI Tuffpaulin is also available that can be used to give ultimate physical protection and rust prevention over long term. This can be used for Coils Packaging, Cut to length steel sheets, Wire Rod, Wires packaging etc.



# TEST SPECIFICATION

| Test Specification  | Units              | GSM  |      |      |      |      |      |
|---|--------------------|------|------|------|------|------|------|
|   |                    | 70   | 90   | 120  | 150  | 200  | 250  |
| Tensile Strength at break<br>MD IS-14611-1998<br>CD IS-14611-1998 | Kg/cm <sup>2</sup> | 386  | 375  | 337  | 337  | 295  | 270  |
|   |                    | 435  | 412  | 365  | 360  | 312  | 283  |
| Elongation at break<br>MD IS-14611-1998<br>CD IS-14611-1998       | %                  | 400  | 400  | 400  | 400  | 400  | 400  |
|   |                    | 300  | 300  | 300  | 300  | 300  | 300  |
| Dart Impact Strength IS-14611-1998                                | GSM                | 250  | 325  | 400  | 700  | 800  | 900  |
| Elmendorf Tearing Test<br>MD IS-14611-1998 CD<br>IS-14611-1998    | GSM                | 1200 | 1500 | 2080 | 2880 | 3500 | 4000 |
|   |                    | 900  | 1200 | 1600 | 2400 | 3000 | 3500 |

Technical Specification of Multi Layered Cross Laminated tarpaulins

| Sr. No. | Characteristics        | UoM   | Material specification             |
|---------|------------------------|---|------------------------------------|
| 1       | Mass                   | Total mass per unit area, Min, g/m <sup>2</sup>   | GSM 120                            |
| 1-a     | Weight in KG / Nos.    | Size - 50 Mtr x 30 Mtr  | KG 185.4                           |
| 1-b     |                        | Size - 40 Mtr x 20 Mtr  | KG 98.88                           |
| 2       | Tensile Strength       | Tensile strength, Min, kg/cm <sup>2</sup><br>(a) Longitudinal direction   | KG/cm <sup>2</sup> 250             |
|         |                        | Tensile strength, Min, kg/cm <sup>2</sup><br>(b) Transverse direction   | KG/cm <sup>2</sup> 200             |
|         |                        | After ageing at 70±1°C for 168 h, Min, kg/cm <sup>2</sup><br>(a) Longitudinal direction<br>(b) Transverse direction | 30% decrease from the original     |
| 3       | Elongation             | Elongation at break, Min, percent :<br>(a) Longitudinal direction   | % 600                              |
|         |                        | Elongation at break, Min, percent :<br>(b) Transverse direction   | % 500                              |
| 4       | Tear Strength          | Tear Strength , Min<br>(a) Longitudinal direction   | g 2400                             |
|         |                        | Tear Strength , Min<br>(b) Transverse direction   | g 1700                             |
|         |                        | After ageing at 70±1°C for 168 h, Min, g:<br>(a) Longitudinal direction<br>(b) Transverse direction                 | 30% decrease from the original     |
| 5       | Dart Impact Strength   | Dart Impact Strength , Min, g   | g 430                              |
| 6       | UV & Weathering impact | Average tensile strength and elongation at break after exposing to UV radiation and weathering, Min (kgf)           | KGf 50% decrease from the original |

*Handwritten signatures and notes:*  
Ref. P.D.No. 3100170085





## ABOUT US

Hi Tech Group is one of the largest specialized polymer manufacturing group with HQ in India. It has plants in USA, France, Germany, Mexico, India & China. Tuffpaulin aims at upgrading the technology of tarpaulins. Tuffpaulin has high functional strength, tear and UV Resistance and is made from Cross Lamination Technology.

Our group has many Multilayer Lines, Twist film manufacturing plants, woven fabric tape line plants and lamination plants.

Our product is ISI marked, BIS approved and we have been suppliers to many government organizations for various applications.

We are a very customer driven organization with innovation as our backbone and providing an unmatched quality to clients has always been the top objective of the company. This has helped us achieve high milestones and set records of almost 100% Year on Year growth for past many years.

### CROSS PATTERN FILM



### ULTRASONIC CORNERS



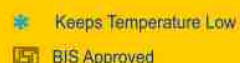
### INDIVIDUAL BAGS



### OUTER BAG



## MANUFACTURING PLANTS



Manufactured by: Hi-Tech International, Khopoli, Mumbai  
 Email: info@tuffpaulin.com  
 Website: www.tuffpaulin.com  
 Mobile: +91 9814309000



# ABOUT US

## TRUCK BODY COVERS



## POND LINERS



## TUNNELING FILM



## FUMIGATION COVERS



## POULTRY CURTAINS



## GREENHOUSE FILM



## BIKE COVERS



## BRICK COVER



## MULCHING FILMS



## CAR COVERS



## MILITARY COVERS



## TRAIN WAGON COVERS



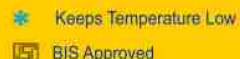
## INDUSTRIAL EQUIPMENT



## VCI TUFFPAULIN



## VERMIBEDS



# FUMIGATION COVER



|   |   |   |   |   |  |  |   |
|---|---|---|---|---|--|--|---|
|  |  |  |  |  |  UV Resistant |  Keeps Temperature Low |  Water Proof   |
|   |   |   |   |   |  Longer Life  |  BIS Approved          |  Weather Proof |

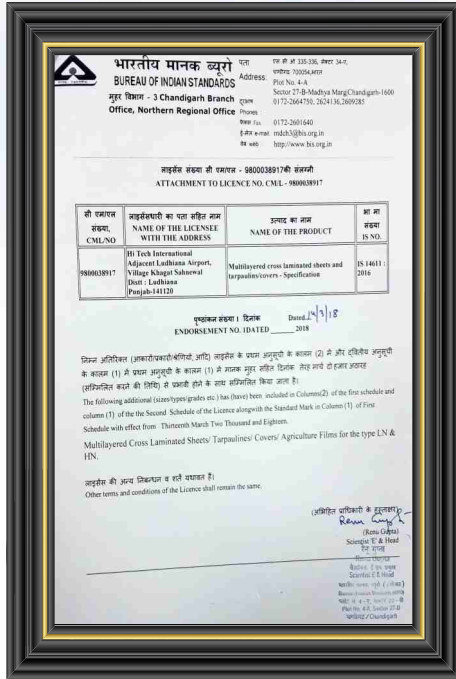
Manufactured by: Hi-Tech International, Khopoli, Mumbai  
 Email: [info@tuffpaulin.com](mailto:info@tuffpaulin.com)  
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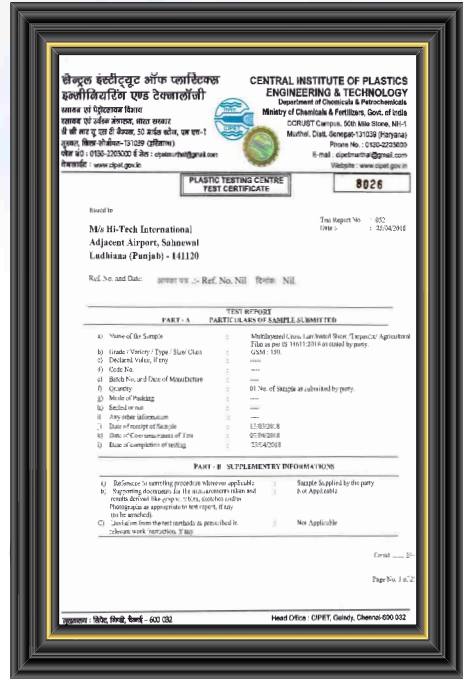




## BUREAU OF INDIAN STANDARDS BIS 14611 APPROVAL



## CIPET TEST LAB APPROVAL



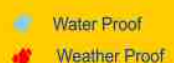
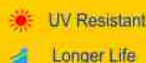
## ISO 9001



## ISO 140001



## PATENT ANTI CORROSION FILM



# PRICE LIST

## TUFFPAULIN ROLLS MRP LIST

| gsm | ft ----> | 4.50   | 6.00   | 9.00   | 12.00  | 18.00  | 24.00  | 30.00  |
|-----|----------|--------|--------|--------|--------|--------|--------|--------|
|     |          | mtrs   | MRP    | MRP    | MRP    | MRP    | MRP    | MRP    |
| 70  | 150      |        |        | 14,187 | 18,917 | 28,375 | 37,833 | 47,291 |
|     | 200      | 9,458  | 12,611 |        |        |        |        |        |
| 90  | 100      |        |        |        |        | 22,820 | 30,427 | 38,033 |
|     | 150      |        |        | 17,115 | 22,820 |        |        |        |
| 120 | 200      | 11,410 | 15,213 |        |        |        |        |        |
|     | 50       |        |        |        |        |        | 20,768 | 25,960 |
| 150 | 100      |        |        | 15,576 | 20,768 | 31,152 |        |        |
|     | 150      | 11,682 | 15,576 |        |        |        |        |        |
| 200 | 50       |        |        | 6,818  | 10,228 | 13,637 | 20,455 | 27,274 |
|     | 100      | 10,228 | 13,637 | 20,455 | 27,274 | 40,911 | 54,548 | 68,185 |
| 250 | 75       |        |        | 13,249 | 19,874 | 26,498 | 39,747 | 52,996 |
|     | 100      | 13,249 | 17,665 |        |        |        |        |        |
| 250 | 40       |        |        | 8,477  | 12,716 | 16,955 | 25,432 | 33,910 |
|     | 60       | 9,537  | 12,716 | 19,074 |        |        |        |        |

\*Rolls are available in 300 mtr length on core also

## FUMIGATION COVERS

| gsm | Ft |    |    | Sq Ft | MRP    |
|-----|----|----|----|-------|--------|
|     | L  | W  | H  |       |        |
| 70  | 32 | 21 | 16 | 2,368 | 14,573 |
|     | 32 | 21 | 17 | 2,474 | 15,226 |
|     | 32 | 21 | 18 | 2,580 | 15,878 |
| 90  | 32 | 21 | 16 | 2,368 | 19,139 |
|     | 32 | 21 | 17 | 2,474 | 19,995 |
|     | 32 | 21 | 18 | 2,580 | 20,852 |
| 120 | 32 | 21 | 16 | 2,368 | 24,792 |
|     | 32 | 21 | 17 | 2,474 | 25,902 |
|     | 32 | 21 | 18 | 2,580 | 27,012 |
| 150 | 32 | 21 | 16 | 2,368 | 29,744 |
|     | 32 | 21 | 17 | 2,474 | 31,075 |
|     | 32 | 21 | 18 | 2,580 | 32,407 |

## BIKE COVERS

| Sr No | GSM | Size     | Price Per Piece | Piece Per Pack |
|-------|-----|----------|-----------------|----------------|
| 1     | 70  | Standard | 199             | 80             |
| 2     | 90  | Standard | 299             | 45             |
| 3     | 120 | Standard | 399             | 35             |

## CAR COVERS

| Sr No | GSM | Size       | Price Per Piece | Piece Per Pack |
|-------|-----|------------|-----------------|----------------|
| 1     | 120 | Hatch Back | 1499            | 10             |
| 2     | 120 | Sedan      | 2499            | 8              |
| 3     | 120 | SUV        | 2999            | 5              |

## POULTRY CURTAINS

| Sr No | GSM | Rate/Sq Ft In Rs | Rate/Sq Mt |
|-------|-----|------------------|------------|
| 1     | 70  | 4.21             | 45.30      |
| 2     | 90  | 5.08             | 54.66      |
| 3     | 120 | 6.93             | 74.57      |
| 4     | 150 | 9.11             | 98.02      |
| 5     | 200 | 11.79            | 126.86     |
| 6     | 250 | 14.16            | 152.36     |

## VERMIBED

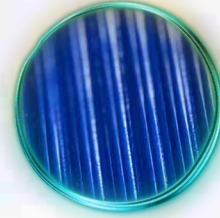
| Sr No | Finish Size | GSM | Price per piece | Pcs per Pack |
|-------|-------------|-----|-----------------|--------------|
| 1     | 12 X 4 X 2' | 250 | 2250            | 6            |
| 2     | 8 X 4 X 2'  | 250 | 1608            | 10           |
| 3     | 6 X 4 X 2'  | 250 | 1286            | 12           |
| 4     | 10 X 3 X 2' | 250 | 1647            | 8            |
| 5     | 4 X 4 X 2'  | 250 | 964             | 15           |

## NON STANDARD SIZES

| Sr No | GSM | Rate/Sq Ft Cut Size | Rate/Sq Ft Finish Size | Rate/Sq mt Cut Size | Rate/Sq mt Finish Size |
|-------|-----|---------------------|------------------------|---------------------|------------------------|
| 1     | 70  | 3.83                | 4.21                   | 41.21               | 45.30                  |
| 2     | 90  | 4.62                | 5.08                   | 49.71               | 54.66                  |
| 3     | 120 | 6.3                 | 6.93                   | 67.79               | 74.57                  |
| 4     | 150 | 8.28                | 9.11                   | 89.09               | 98.02                  |
| 5     | 200 | 10.72               | 11.79                  | 115.35              | 126.86                 |
| 6     | 250 | 12.87               | 14.16                  | 138.48              | 152.36                 |
| 7     | 300 | 15.74               | 17.11                  | 169.36              | 184.10                 |



## FEATURES



| GSM        | Microns    |
|------------|------------|
| 55         | 141        |
| <b>70</b>  | <b>163</b> |
| 90         | 212        |
| <b>120</b> | <b>258</b> |
| 150        | 310        |
| <b>200</b> | <b>447</b> |
| 250        | 504        |

- Our unique **3D ribs technology** enables us to ensure highest levels of **strength** and **durability** in lamination.
- It also provides a **Pseudo Film Thickness** to the tarpaulin.
- Essentially the **90 gsm film feels like a 200 microns film** with its great **aesthetically improved 3D ribs**.
- 3D ribs provide better **abrasion resistance and tear resistance** to the film compared to the previous generation of MLCL films in the market.



UV Resistant



Keeps Temperature Low



Water Proof



Longer Life



BIS Approved





Weather Proof

# CIPET REPORT

सिपेट, मुरथल

Test Report No. 1606  
Date: 31/10/2017  
Page No. 2 of 3

**CIPET, MURTHAL**

*Continuation Sheet*

| PART - C TEST RESULTS   |         |  |                     |  |  |
|---|---------|--|---------------------|--|--|
| Multilayered Cross Laminated Tarpaulin Testing as per IS 14611:2016 & Fumigation Retention as per IS 13217:1991 |         |  |                     |  |  |
| Sl. No.   | Cl. No. | Name of the Test                                   | Unit                | Test Value Obtained<br>(MN Category, 150GSM,<br>Lot No.: 130917, Roll No.<br>2046) | Specified Requirements   |
| 1.  | 5.0     | Construction                                       |                     |  |  |
| 2.  | 5.1     | Dimensions<br>(Length x Width)                     | feet                | 10 x 8.0   | Multilayered cross laminated tarpaulins/sheets shall be made to the shade and dimensions as agreed to between the purchaser and the supplier. Each tarpaulin shall be made with panels of even tone as far as possible. The shade or colour of the tarpaulin shall be made by adding the desired colour pigments in the recipe of film at the pre-extrusion stage.   |
| 3.  |         | Colour   | -                   | Blue   |  |
| 4.  | 5.2     | Sealing Band                                       | -                   | Conforms   |  |
| 5.  | 5.3     | Hemming  | -                   | Conforms   | The panels shall be flat (lap) joined and heat sealed to each other with two sealing bands at a Distance of 10 mm between them.  |
| 6.  | 5.4     | Cross seal   | -                   | Conforms   | The ends and the sides of the tarpaulins shall be folded 50 mm and be hemmed by heat sealing with two sealing bands with distance of 10 mm between them. There shall be no hemming in the sheets.  |
| 7.  | 6.1     | Workmanship/ Visual appearance                     | -                   | Satisfactory   | Cross seals may be used at the rate of one on alternate panels excluding the two side panels and no piece of less than 900 mm in length shall be used for making the panel. The cross seal shall be made by flat (Lap) joint and heat sealed with two sealing bands separated at a distance of 10 mm. Narrow width panels of 250 to 900 mm in width after fabrication may be used at the rate of two per tarpaulin/sheet to obtain the required width of the tarpaulin/sheet.. |
| 8.  | 6.2     | Substance/ Mass (GSM)                              | g/m <sup>2</sup>    | 150.88   | Tarpaulins/ Covers shall be uniform in colour, texture and finish and shall be substantially free from pin - holes and particles of foreign matter. There shall be no other visible defects, such as holes, tears or blisters. The edges shall be free from nits and cuts visible to unaided eye.<br>150 GSM ± 10%   |
| 9.  | 6.3     | Accelerated Heat Ageing Test at 70±1°C for 168 h.  | -                   | Conforms   | The sample shall show no apparent deterioration like softening, stiffening, tackiness, brittleness discoloration and degradation of physical properties when tested for accelerated ageing .   |
| 10.   | 6.3     | Tensile Strength at break Before Heat ageing (M/D) | Kgf/cm <sup>2</sup> | 268.15   | Not less than 250  |
| 11.   |         | Tensile Strength at break Before Heat ageing (T/D) | Kgf/cm <sup>2</sup> | 229.60   | Not less than 200  |
| 12.   |         | Elongation at break Before Heat ageing (M/D)       | %                   | 688.80   | Not less than 400  |
| 13.   |         | Elongation at break Before Heat ageing (T/D)       | %                   | 575.45   | Not less than 300  |



Manufactured by: Hi-Tech International, Khopoli, Mumbai  
 Email: info@tuffpaulin.com  
 Website: www.tuffpaulin.com  
 Mobile: +91 9814309000



# CIPET REPORT

## सेन्ट्रल इंस्टीट्यूट ऑफ प्लास्टिक्स इन्जीनियरिंग एंड टेक्नालॉजी

रसायन एवं पेट्रोरसायन विभाग  
रसायन एवं उर्वरक मंत्रालय, भारत सरकार  
डी सी आर यू एस टी कैम्पस, 50 माईल स्टेन, एन एच-1  
मुरथल, जिला-सोनीपत-131039 (हरियाणा)  
फोन नं० : 0130-2203000, फैक्स : 0130-2203010  
ई मेल : cipetmurthal@gmail.com, वेबसाईट : www.cipet.gov.in



## CENTRAL INSTITUTE OF PLASTICS ENGINEERING & TECHNOLOGY

Department of Chemicals & Petrochemicals  
Ministry of Chemicals & Fertilizers, Govt. of India  
DCRUST Campus, 50th Mile Stone, NH-1  
Murthal, Distt. Sonapat-131039 (Haryana)  
Phone No. : 0130-2203000, Fax : 0130-2203010  
E-mail : cipetmurthal@gmail.com  
Website : www.cipet.gov.in

Dr S.N. Yadav,  
Principal Director & Head,

सिपेट / मुरथल / परीक्षण / 2017-18 / 2120

दिनांक : 31/10/2017

सेवा में,

**M/s Hi-Tech International**  
Plot No. 18/6, IMT Manesar,  
Gurgaon (Haryana) - 122051

विषय : परीक्षण प्रतिवेदन संख्या 1606 भेजने के सम्बन्ध में।

संदर्भ : आपका पत्र आपका पत्र Ref. No. 1 – Nil दिनांक 16/09/2017.  
Ref. No. 2 – Nil दिनांक 13/10/2017.

महोदय,

कृपया आपके Multilayered Cross Laminated Tarpaulin – reg. के परीक्षण के संदर्भ में इस पत्र के साथ परीक्षण प्रतिवेदन संख्या 1606 संलग्न प्राप्त करें।

इस पत्र के साथ ग्राहक संतुष्टी पत्र को संलग्न कर रहे हैं। कृपया करके आप इसे भरकर हमारे रिकॉर्ड के लिए वापस भेज दें।

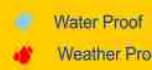
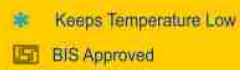
धन्यवाद,

भवदीय

  
(S.N. Yadav)

संलग्नक: परीक्षण प्रतिवेदन संख्या 1606 .

Head Office : CIPET, Guindy, Chennai-600 032



# CIPET REPORT

सिपेट, मुरथल

Test Report No. 1606  
Date: 31/10/2017  
Page No. 3 of 3



CIPET, MURTHAL

**Continuation Sheet**  
PART - C  
TEST RESULTS

| Multilayered Cross Laminated Tarpaulin Testing as per IS 14611:2016 & Fumigation Retention as per IS 13217:1991 |           |   |      |  |   |
|---|-----------|---|------|--|---|
| Sl. No.   | Cl. No.   | Name of the Test                                  | Unit | Test Value Obtained<br>(MN Category, 150GSM,<br>Lot No.: 130917, Roll No.<br>2046) | Specified Requirements  |
| 14.   | 6.3       | Tensile Strength @ Break. After ageing (M/D)      | %    | 21.32  | 30% decrease from the original  |
| 15.   |           | Tensile Strength @ Break. After ageing (T/D)      | %    | 22.98  | 30% decrease from the original  |
| 16.   | 6.3       | Tensile Strength at break After UV exposure (M/D) | %    | 25.98  | 50% decrease from the original  |
| 17.   |           | Tensile Strength at break After UV exposure (T/D) | %    | 24.93  |   |
| 18.   |           | Elongation at break After UV exposure (M/D)       | %    | 25.32  |   |
| 19.   |           | Elongation at break After UV exposure (T/D)       | %    | 25.46  |   |
| 20.   | 6.3       | Tear Resistance Test (Before heat ageing) (M/D)   | gmf  | 2496   | Min. 2080   |
| 21.   |           | Tear Resistance Test (Before heat ageing) (T/D)   | gmf  | 1754   | Min. 1600   |
| 22.   |           | Tear Resistance Test (After heat ageing) (M/D)    | %    | 22.14  | 30% decrease from the original  |
| 23.   |           | Tear Resistance Test (After heat ageing) (T/D)    | %    | 22.53  | 30% decrease from the original  |
| 24(*)   | 6.4       | Water Proofness Test                              | -    | Conforms   | Shall not allow water to percolate through and not become wet on its outer surface.   |
| 25  | 6.5       | Strength of Joints                                | -    | Passed   | The material shall be taken to have passed the test, if welding/ sealing at joints remains unchanged after with standing the specified load of 2.5 Kg. For the specified time of 1.0 hour.  |
| 26(*)   | 6.6       | Flex Test   | -    | Conforms   | The Sample Shall Pass the flex test for minimum 50000 cycles when tested as per IS 7016 (Part 4) in normal conditions as well as after ageing under specified condition as per IS 7016 (Part 8)   |
| 27.   | 6.8       | Dart Impact Strength                              | -    | Passed   | Should not get failure below 400 gf load  |
| 28.   | 7         | Fixing of eyelets (For tarpaulins only)           | -    | -  | -   |
| 29.   | 7.1 & 7.2 | Eyelets and rope lashing                          | -    | Conforms   | Eyelets and rope lashing as agreed to between buyer and the seller shall be used. Unless otherwise agreed to between the purchaser and supplier, the eyelets shall be fixed at an approximate interval of 3 feet (91.44 cm) on the length side and at every joint or at approximately 26 inch (66.04 cm) interval on the width side. All the four corners shall be reinforced by special triangular pieces of the film support and then eyeleted. There shall be no eyelets and corner reinforcement in the sheeting's. |
| 30(*)   | -         | Fumigation Retention                              | -    | 5.7  | Max. - 7.5  |

PART - D REMARKS

- Note: 1. The report, in full or part, shall not be published, advertised, used for any legal action, unless prior permission has been secured.  
2. This test report is only for the sample/material tested as supplied by the party.  
3. (\*) This test has been conducted in our other NABL accredited laboratory.

Authorized Signatory

Authorized Signatory




ISO 9001:2008



CML - 9800038917



# BIS CONTRACT



**भारतीय मानक ब्यूरो**  
**BUREAU OF INDIAN STANDARDS**  
मुहर विभाग - 3 Chandigarh Branch  
Office, Northern Regional Office

पता: एस सी ओ 335-336, सेक्टर 34-ए,  
चण्डीगढ़ 700054, भारत  
Address: Plot No. 4-A  
Sector 27-B-Madhya Marg/Chandigarh-1600  
दूरभाष: 0172-2664750, 2624136, 2609285  
Phones :  
फैक्स Fax: 0172-2601640  
ई-मेल e-mail: mdch3@bis.org.in  
वेब web : http://www.bis.org.in

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**लाइसेंस संख्या सी एम/एल - 9800038917 की संलग्नी**  
ATTACHMENT TO LICENCE NO. CM/L - 9800038917

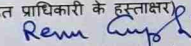
| सी एम/एल संख्या, CML/NO | लाइसेंसधारी का पता सहित नाम<br>NAME OF THE LICENSEE WITH THE ADDRESS  | उत्पाद का नाम<br>NAME OF THE PRODUCT                                      | भा मा संख्या IS NO. |
|-------------------------|---|---|---------------------|
| 9800038917              | Hi Tech International<br>Adjacent Ludhiana Airport,<br>Village Khagat Sahnewal<br>Distt : Ludhiana<br>Punjab-141120 | Multilayered cross laminated sheets and tarpaulins/covers - Specification | IS 14611 : 2016     |

पृष्ठांकन संख्या 1 दिनांक 14/3/18  
ENDORSEMENT NO. 1 DATED \_\_\_\_\_ 2018


निम्न अतिरिक्त (आकारों/प्रकारों/श्रेणियों, आदि) लाइसेंस के प्रथम अनुसूची के कालम (2) में और द्वितीय अनुसूची के कालम (1) में प्रथम अनुसूची के कालम (1) में मानक मुहर सहित दिनांक तेरह मार्च दो हजार अठारह (सम्मिलित करने की तिथि) से प्रभावी होने के साथ सम्मिलित किया जाता है।  
The following additional (sizes/types/grades etc.) has (have) been included in Columns(2) of the first schedule and column (1) of the the Second Schedule of the Licence alongwith the Standard Mark in Column (1) of First Schedule with effect from Thirteenth March Two Thousand and Eighteen.

Multilayered Cross Laminated Sheets/ Tarpaulines/ Covers/ Agriculture Films for the type LN & HN.

लाइसेंस की अन्य निबन्धन व शर्तें यथावत हैं।  
Other terms and conditions of the Licence shall remain the same.

(अभिहित प्राधिकारी के हस्ताक्षर)  
  
(Renu Gupta)  
Scientist E' & Head  
रेनु गुप्ता  
Renu Gupta  
केन्द्राधिकारी ई एच प्रमुख  
Scientist E & Head  
भारतीय मानक ब्यूरो (उत्प्रे का)  
Bureau of Indian Standards (BIS)  
प्लॉट नं 4-ए, सेक्टर 27-बी  
Plot No. 4-A, Sector 27-B  
चण्डीगढ़ / Chandigarh

# FCI CONTRACT



Mukul Sareen <mukulsareen@doctorrust.com>

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**Award Of Contract**

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etendernic@nic.in <etendernic@nic.in>  
To: tenders@rustx.net
Fri, Apr 20, 2018 at 4:17 PM



**Government  
eProcurement  
System** Award Of Contract

eProcurement System Government of India

*Date: 20Apr2018*

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Dear User,

**Sub: Congratulations! Award Of Contract(AOC) for the tenderreg**

With reference to your bid submission **973891** , it is informed that you have been awarded the contract for the following tender, by the duly constituted committee .

Tender Id :2017\_FCI\_282912\_1  
Tender reference no **PUR/14(2)/2017/TE/CLTF**  
Organisation Chain : **Food Corporation of India||Head Quarters,FCI,MFPD||Purchase Dn,HQ,FCI**

Thank you for the interest shown in the participation of the tender.  
In case of any clarifications or feed back, you may contact Tender Inviting Authority(TIA).  
We wish you all the best,

---

**Tender Inviting Authority**

[Note : This is an auto generated mail from the eprocurement system. Please do not reply to this e mail id.]





# BHEL CONTRACT



**क्रय आदेश**  
**PURCHASE ORDER**

TIN No.: 05001757277/30-9-05  
C S T No.: HR-5000030/16-3-65

भारत हेवी इलेक्ट्रिकल्स लिमिटेड, हीप, हरिद्वार - २४६४०३  
**BHARAT HEAVY ELECTRICALS LTD., HEEP, HARIDWAR - 249403**  
(भारत सरकार का उपक्रम / A GOVT. OF INDIA UNDERTAKING)

Phone : (0091) (01334) 227350 - 227359 (10 Lines)    Telefax : (0091) (01334) 226462 & 223948    Graph : PURCHASE BHARATELEC

PLEASE QUOTE COMPLETE PURCHASE ORDER No. & DATE IN ALL CORRESPONDENCE

|    |         |             |            |
|----|---------|-------------|------------|
| NO | CSB1766 | 03-NOVEMBER | INDIGENOUS |
|----|---------|-------------|------------|

PO Revision No : 0      File Reference: 811/C/A234/S/1093/B  
VENDOR/PPX/FAX-SE  
Vendor Code: T04188  
M/S. HI TECH INTERNATIONAL  
VILLAGE KHAGAT G.T. ROAD SAHNE  
WAL  
LUDHIANA, PUNJAB 141120  
MSME- SMALL UNIT UAM NO= PB12A0001469  
INDIA

Your offer no NA Dated: 25/06/2018  
& your letter no NA

With reference to above, we are pleased to place an order on you for the supply of following items, on conditions given below & in annexure PU92.

| SL   | MATERIAL CODE | QUANTITY | UNIT | VALUE (RS) | LOTRATE (RS) | LOT QUANTITY             | DELIVERY SCHEDULE |
|--|---------------|----------|------|------------|--------------|--------------------------|-------------------|
| 1  | HWS141520978  | 350.000  | MC   |            |              |                          |                   |
| MULTILAYERED CROSS LAMINATED POLYETHYLENE FILM |               |          |      |            |              |                          |                   |
| AA51420 Rev 02<br>3660X5000MM(70GSM) Rev 0     |               |          |      |            |              |                          |                   |
| ** Quantity Variation: + 10.00 - 10.00%        |               |          |      |            |              |                          |                   |
| Indent No: 20181093 Item No: 1 Qty:            |               |          |      |            |              |                          |                   |
| 2  | HWS141520960  | 50.000   | NO   |            |              |                          |                   |
| MULTILAYERED CROSS LAMINATED POLYETHYLENE FILM |               |          |      |            |              |                          |                   |
| AA51420 Rev 02<br>3660X5000 MM (90GSM) Rev 0   |               |          |      |            |              |                          |                   |
| ** Quantity Variation: + 10.00 - 10.00%        |               |          |      |            |              |                          |                   |
| Indent No: 20181093 Item No: 2 Qty:            |               |          |      |            |              |                          |                   |
| Total Item Value                               |               |          |      | RS :       | 1046500.00   | Total Items in Proposal: | 2                 |
| Net PO Value                                   |               |          |      | RS :       | 1046500.00   |                          |                   |

Payment : As per Special Instructions.  
GST : GST extra as applicable against documentary proof.  
ITC : Input tax credit applicable.  
Despatch by : By Road.  
Delivery Terms : F.O.R. Destination. BHEL HEEP HARIDWAR  
Test Certificate: Test Certificate to be sent with despatch documents.  
Guarantee : Guarantee Certificate as per sp. ins. is must with desp. documents.  
Insurance : By B.H.E.L.  
Bank Charges : Not applicable.  
LD Clause : LD Applicable  
Price Variation : N


कृपया प्रस्तावकों सहित पृष्ठ 4      PLEASE READ IN CONJUNCTION WITH ENCLOSURES




Manufactured by: Hi-Tech International, Khopoli, Mumbai  
Email: info@tuffpaulin.com  
Website: www.tuffpaulin.com  
Mobile: +91 9814309000



# CWC CONTRACT



**केंद्रीय भण्डारण निगम**  
(भारत सरकार का उपक्रम)  
क्षेत्रीय कार्यालय : लखनऊ



No: CWC/RO-LKO/TQC/246-MLCL/2018-19/      Date: 10.05.2018

To  
M/s HITECH INTERNATIONAL  
GURGAON WEST, PLOT NO.99, IMT MANESAR, S  
ECTOR 5, GURGAON, Gurgaon, Haryana, 122050

**Sub: Supply of Multilayered Cross Laminated Fumigation Covers (200 GSM) to Regional Office, Lucknow – Regarding**

Sir,  
This has reference to our email dated 01.05.2018 and your negotiated offer dated 10.05.2018 we are pleased to place supply order for 150 nos. of MLCL covers to be supplied to Regional Manager, CWC, RO, Lucknow strictly as per the terms & conditions given below :-

|     |   |   |
|-----|---|---|
| 1.  | DESCRIPTION OF MATERIALS                | MLCL Cover<br>The material should conform to IS:14611-1998 and IS:13217-1991 with up to date amendments   |
| 2.  | Quantity                                | 150 (One Hundred and Fifty Numbers)   |
| 3.  | TYPE                                    | Heavy duty type H.N.  |
| 4.  | MASS PER UNIT                           | Not less than 200 GSM   |
| 5.  | SIZE                                    | 32X21X17(feet)<br>9.8X6.4X5.2 (meters)  |
| 6.  | WEIGHT                                  | Minimum 50 Kgs. (Tolerance-4%)  |
| 7.  | COLOUR                                  | Blue  |
| 8.  | FUNNEL                                  | As per IS:13217-1991  |
| 9.  | EYELET                                  | Aluminum eyelet No. 28 or ultrasonic welded plastic eyelet at 3 meter interval  |
| 10. | TENSILE STRENGTH (Kg./cm <sup>2</sup> ) | A) Longitudinal direction: 250 minimum<br>B) Transverse direction: 200 minimum<br>After ageing at 70±1degree C for 168 hours.<br>a) Longitudinal direction: 30% decrease from the original value (max)<br>b) Transverse direction: -do-   |
| 11. | ELONGATION AT BREAK, %                  | A) Longitudinal direction: 400 minimum<br>B) Transverse direction: 300 minimum  |
| 12. | TEAR STRENGTH (gm)                      | A) Longitudinal direction: 2880 minimum<br>B) Transverse direction: 2400 minimum<br>After ageing at 70±1degree C for 168 hours.<br>a) Longitudinal direction: 30% decrease from the original value (max)<br>b) Transverse direction: -do- |
| 13. | DART IMPACT STRENGTH (gm)               | 700 minimum   |
| 14. | FLEXING TEST                            | A) Before ageing: 50,000 cycles (minimum)<br>B) After ageing at: 50,000 cycles (minimum)<br>70±1degree C for 168 hours.   |

Contd...P/2.

*G. G. Jha*



# ODISHA CONTRACT



**ODISHA STATE CIVIL SUPPLIES CORPORATION LTD.**  
**C/2, NAYAPALLI, BHUBANESWAR-12**

FAX No. - 0674 - 2395291, Tel. No. - 0674 - 2391953

No.-PP (Q.C) 111/ 2018 /.....11686 Date:.....16.7.18.  
**Purchase Order**

From **Sri Pradeep Kumar Gardia, OAS (S),  
General Manager (Procurement)**

To **M/s Hi-Tech International  
B-31,Opp. Power House Jamalpur,  
Chandigarh Road, Ludhiana, Punjab-141010**

Sub: **Order for supply of MLCL Fumigation Cover.**

Ref: Tender notice no.8516 dt. 18.05.18.

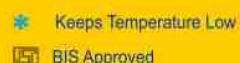
Sir,

I am directed to say that on finalisation of tender, your price bid for one fumigation cover @ Rs.11,800/- (inclusive of all taxes) found to be lowest and has been approved by the Competent Authority.

It is requested to supply 115 nos. of MLCL fumigation cover as per the following terms and condition.

**TERMS & CONDITIONS:-**

|   |                            |   |
|---|----------------------------|---|
| 1 | DESCRIPTION OF MATERIALS   | MLCL cover<br>The material should conform to IS: 14611:1998 and IS: 13217-1991 with up to date amendments.  |
| 2 | QUANTITY                   | 115(One hundred and fifteen numbers).   |
| 3 | MASS PER UNIT              | Not less than 200 GSM   |
| 4 | SIZE                       | 32 x 21 x 17(feet) or<br>9.8 x 6.4 x 5.2(meters)  |
| 5 | WEIGHT                     | Minimum 50Kg.(Tolerance-4%)   |
| 6 | COLOUR                     | Blue  |
| 7 | FUNNEL                     | As per IS:13217-1991  |
| 8 | EYELET                     | Aluminium eyelet no.28 or ultrasonic welded plastic eyelet at 3 meter interval.   |
| 9 | TENSILE STRENGTH (Kg./cm2) | A) Longitudinal direction : 250 minimum<br>B) Transverse direction : 200 minimum<br>After ageing at 70 ± 1 degree C for 168 hours.<br>a) Longitudinal direction: 30% decrease from the original value(max).<br>b) Transverse direction : -do- |



# PRISM CEMENT CONTRACT

| PRISM JOHNSON LIMITED  |  | Purchase Order   |                          |
|--|--|--|--------------------------|
| <b>(Cement Division)</b><br>Village: Mankahari, P.O.: Bathia<br>Tehsil: Rampur Baghelan,<br>Distt.: Satna, PIN- 485 111 (M.P.) India<br>Phone : 07672275301<br>Fax : 07672410357/275303  |  | PO No. : 3100170085 - P027<br>PO Date: 13.05.2021  |                          |
| <b>Vendor Address</b><br>HI-TECH INTERNATIONAL<br>PLOT NO.99, GURGAON WEST, IMT MANESAR<br>HARYANA<br>122050 Haryana,INDIA<br>GSTIN: 06AADFH9663F129   | <b>Reference</b><br>Our Reference :<br>1100074017<br>Your Reference :<br>Your Offer  | <b>Payment Terms</b><br>Details as mentioned below   |                          |
| Please arrange to supply the following materials subject to terms and condition as per PO  |  |  |                          |
| Item/PR  | Material/Description   | Quantity   | UM Del. Date Rate Amount |
| 10<br>1100074017   | JGNTH05030I<br>HSN Code- 63063990<br>MultilayeredTarpaulin120GSM,Size-50M*30M<br>Multilayered Cross Laminated Tarpaulins 120 GSM , SIZE-50M x 30M,<br><br>Weight 185.40 Kg/-Nos , @ 205 Per kg & Rs.38,007.00/- Nos<br>Colour : Blue<br><br>Agreed material specification is attached alongwith PO.          |  |                          |
| 20<br>1100074017   | IGST<br>JGNTH04020I<br>HSN Code- 63063990<br>MultilayeredTarpaulin120GSM,Size-40M*20M<br>Multilayered Cross Laminated Tarpaulins 120 GSM , SIZE-40M x 20M,<br><br>Weight 98.88 Kg/-Nos , @ 205 Per kg & Rs.20,270.00/- Nos<br>Colour : Yellow<br><br>Agreed material specification is attached alongwith PO. |  |                          |
| IGST   |  |  |                          |
| 1. Price shall be firm and final till execution of order<br>2. Order Acceptance Form which is enclosed with the order should be signed and sent back to us as a token of acceptance .If not received within 15 days of dispatch of order it would be considered as acceptance of our order.<br>3. Materials to be despatched through our nominated transporter . |  |  |                          |
| GSTIN : 23AAACP6224A1Z5<br>TAN No : JBPP00852F<br>PAN No : AAACP8224A  |  | FOR Prism Johnson Limited<br><br>Authorised Signatory  |                          |
| Registered Office : 305,Laxmi Niwas Apartments,<br>Amarpreet ,Hyderabad - 500 016.<br>CIN : L26942TG1992PLC014033<br><br>Mumbai Office : Raheja's 2nd Floor, V.P. Road ,<br>Santacruz(W),Mumbai - 400054   |  | Note :<br>1) Despatches are covered under Marine Insurance Policy No .<br>311700/21/2021/3 Dtd. 01.04.2021 valid upto 31.03.2022.<br>2) In case of payment through Bank, copy of despatch documents should<br>be sent to our Accounts Department without which the bank documents<br>will not be honoured. |                          |
| Form No.: F04(PUR-P-02)  |  | ( Page1 of 3 )   |                          |

