WEST BENGAL STATE ELECTRICITY DISTRIBUTION COMPANY LIMITED
(A Government of West Bengal Enterprise)
Office of the Divisional Manager, Malda Division
Rabindra Avenue, English Bazar, Malda, West Bengal – 732 101

Website: www.wbsedcl.in
E – Mail: dm.southmalda@wbsedcl.in

Phone No.: (03512) – 253437
Fax No.: (03512) – 253437

NOTICE INVITING e – TENDER (NIeT)

NIT No.: **MLDD / e – Tender / ELEC / 25-26 /** 05
Date: 11.03.2026

On Line Tender (e – Tender) in Two Parts (Part I: Technical Bid and Part II: Financial Bid) are invited by the Divisional Manager, Malda Division, WBSEDCL, Rabindra Avenue, English Bazar, Malda – 732 101, from Experienced, Resourceful, Bonafide and Working Contractors of WBSEDCL / WBSETCL / other Power Utilities / Central Govt. / State Govt. / Undertaking for the following work:

1. Name of the Work: "**Supply and Delivery of 500 NOS of GI Turn Buckle 18 X 5/8" and 500 NOS of 3 PH LT Distribution Box (with strap and buckle) for LT AB Cable; to Malda Division.**"
2. Estimated Amount (in INR): Rs. 8, 15, 000.00/- (INR Eight Lakh Fifteen Thousand ONLY)
3. Cost of Tender Documents: NIL
4. Earnest Money Deposit (in INR): Rs. 16, 300/- (INR Sixteen Thousand Three Hundred ONLY)
5. Time Period of Completion of Work: Total quantity of materials should be delivered at WBSEDCL Malda Divisional Stores within 15 (Fifteen) Days from the date of issue of Purchase Order
6. Period of Validity of Offered Rates: 180 (One Hundred Eighty) Days from the Date of Opening of Financial Bid of the Tender.
7. Schedule of the e – Tendering Process

SL NO	Activity	Date and Time
1	Publish of Tender Notice	12.03.2026, at 18:00 HRS
2	Document Download / Sale Starts	12.03.2026, at 18:00 HRS
3	Bid Submission Starts	12.03.2026, at 18:00 HRS
4	Bid Submission Ends (including Online EMD)	30.03.2026 up to 18:00 HRS
5	Opening of Technical Bid	02.04.2026 at 11:00 HRS
6	Uploading of List of Technically Qualified Bidders	To be notified later
7	Opening of Financial Bid	To be notified later

8. Procedure to be followed

i. Names of the Technically Qualified Bidders, after verification and evaluation of Technical Bids, would be displayed in the e- Tendering portal and Notice Board of the Tender Inviting Authority's Office.

ii. The Financial Bid Documents of only the Technically Qualified Bidders would be opened.

iii. Chart of Comparison of Financial Bids would be displayed on the next day of opening.

11/03/26

(Biswajit Mitra)
Divisional Manager
Malda Division
(Tender Inviting Authority)

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1. Scope of Work: "Supply and Delivery of 500 NOS of GI Turn Buckle 18 X 5/8" and 500 NOS of 3 PH LT Distribution Box (with strap and buckle) for LT AB Cable; to Malda Division".

2. Tender Documents: Available in the website of The West Bengal Government e-Procurement System (https://wbtenders.gov.in).

3. Submission of Bids: The Tender is to be submitted in Two Part System (Technical Bid and Financial Bid), in the website of The West Bengal Government eProcurement System (https://wbtenders.gov.in).

4. ELIGIBILITY CRITERION:

A. Financial Pre Requisites:

(I) The average annual turnover of the bidder, during the last 3 years, shall not be less than 30 % of the estimated cost of this tender.

(II) Working capital in the year, preceding the year of bid submission, shall not be less than 30 % of the estimated cost of this tender.

(III) In case documents certifying credit facility from a scheduled bank is submitted, the requirement given in clause (II) shall be judged by adding available credit facility and working capital taken together. (Certificate of Proof of Financial Capability from Bankers, 1 year from the date of publication of NIeT)

B. Bidders must upload the following documents (in Technical Folder) to substantiate their qualifying requirement:

(I) Trade License and GST Registration Certificate.
(II) Current Challan for Depositing GST and Latest Return Files.
(III) Copy of IT Return for the last Three Financial Year and PAN Card, as applicable
(IV) EPF Registration Certificate and Challan for the last month, if applicable
(V) ESI Registration, if applicable
(VI) Copy of Work Order / Purchase Order and Completion / Delivery Certificate in support of Technical Prerequisites for successful completion of supply and delivery of similar electrical items to state DISCOMs/other reputed power utilities.
(VII) Information regarding any past and current litigation with WBSEDCL / WBSETCL / Central Govt. / State Govt. / Undertaking, in which the bidder is involved. Details like the party concerned and the disputed amount to be furnished, wherever applicable.
(VIII) Valid contractor's license with Supervisory Competency Certificate, if applicable.

C. All documents must be self attested / self authenticated.

D. Even though the bidders meet the above qualifying criterion, they are subjected to be disqualified, if they have

(i) Made misleading or false representation in the documents, statements, certificates and any other attachments, in proof of the qualifying requirements

AND / OR

(ii) Record of poor performance such as abandoning the work, not properly completing the work, inordinate delays in completion, litigation history or financial failure.

NOTE

1. WBSEDCL reserves the right to reject or accept any bid or part thereof or all bids received at its sole discretion, without assigning any reason, whatsoever.

2. Tender will be evaluated on item-rate basis. Order will be distributed among the tied-bidders.

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3. WBSEDCL reserves the right to go for divisible contracts, if necessary.

4. WBSEDCL is not necessarily bound to accept the lowest bidder.

5. Tender Cost / Tender Fee have been done with. Hence, all intending bidders are exempted from payment of Tender Fee.

6. No interest shall be payable for Earnest Money Deposit.

7. No Conditional Bid / Incomplete Tender shall be accepted under any circumstances.

8. The bids must be submitted in the prescribed format and file form only (e.g., .xls, .pdf), as indicated.

9. The bidders shall ensure that all pre – requisites are duly filled by them and if there arises any dispute due to non – submission of any document, WBSEDCL reserves the right to cancel the bid unilaterally, without assigning the reason.

10. The bidder is expected to examine carefully all instructions, conditions, forms, schedules, terms, annexure, specifications and drawings of the bidding document. Bids, which are determined to be not substantially responsive to the requirement of the bidding document, may lead to rejection.

11. The Bidder, at his own responsibility and risk, is encouraged to visit and examine the site of works and its surroundings, and obtain all information that may be necessary for preparing bid and entering into an agreement for the work/works as mentioned in the NIT, before submitting offer with full satisfaction. The costs for visiting the working site shall be at the bidder's own expense.

12. Earnest Money Deposit (EMD): EMD shall be submitted through Online Mode of Payment at the e – Tendering Portal (https://wbtenders.gov.in). Offline instruments like Demand Draft, Bank Guarantee shall not be accepted for this e – procurement system. In case of unsuccessful / rejected bids, the EMD Amount shall be directly refunded from the e- Tendering portal. However, for the successful bids, the EMD Amount would be refunded by WBSEDCL, upon completion of the contract. Online Payment can be made in the following mode:

vii. Net Banking through Payment Gateway.

viii. RTGS / NEFT Payment: On selection of RTGS / NEFT as the payment mode, the e-procurement portal will show a pre-filled Challan having the details to process RTGS / NEFT transaction. The bidder will print the Challan and use the pre-filled information to make RTGS / NEFT payment using his bank account. Once the payment is made, the bidder will come back to e-procurement portal to continue the bidding process after expiry of a reasonable time to enable the RTGS / NEFT process to be completed.

13. **Successful bidder(s) shall have to mandatorily create Vendor ID, through WBSEDCL Website's Vendor Corner, if not created earlier.**

14. Bidders are to keep track of all the Addendum / Corrigendum issued with a particular tender and upload all the above duly digitally signed along with the NIT. Tenders submitted without the Addendum / Corrigendum will be treated as informal and liable to be rejected.

15. Work Order & Payment of work shall depend on availability of fund. The Divisional Manager, Malda Division, WBSEDCL shall act as the Controlling Officer. The Manager / Assistant Manager (F&A) / Junior Manager (O.O.), Malda Division, WBSEDCL shall be the Paying Authority. The Store-In-Charge, Malda Divisional Store, WBSEDCL shall be Consignee. The Divisional/ Assistant Engineer (Tech), Malda Division shall be the Supervising Authority of the work, under whose guidance and direction the works will be executed.

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Memo No.: MLDD / Tech. / e – Tender / 959

Date: 11.03.2026.

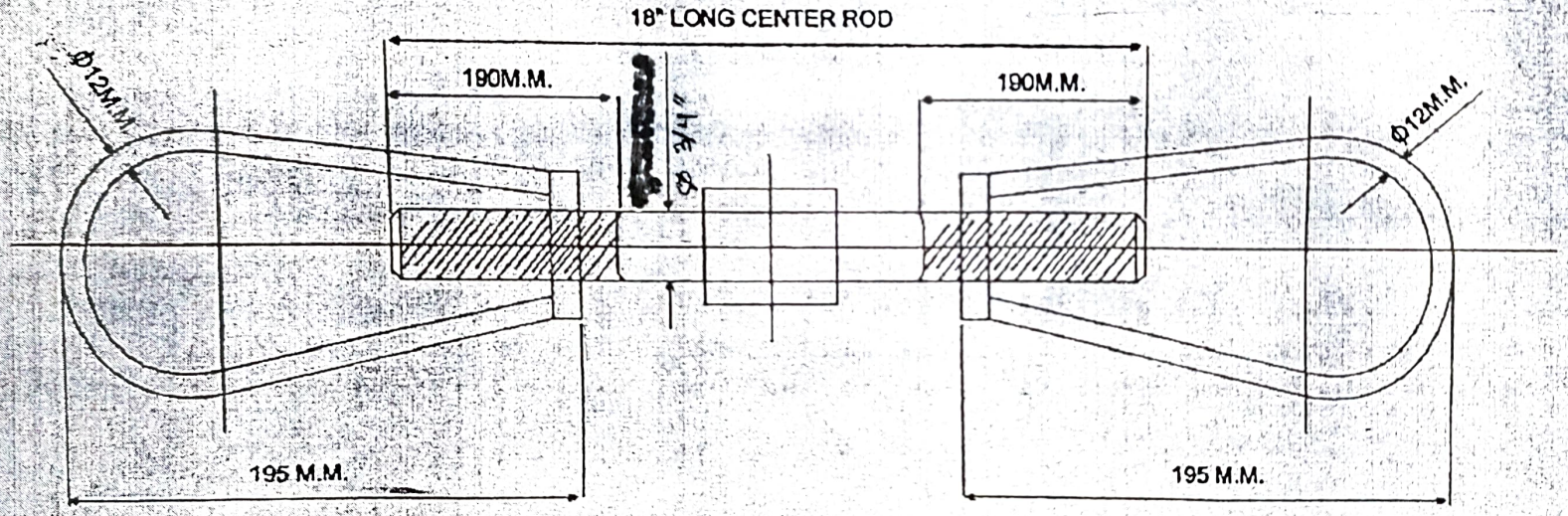
Copy forwarded to, for kind information:

1. The Zonal Manager, Malda Zone, WBSEDCL
2. The Regional Manager, Malda Region, WBSEDCL
3. The Manager (HR&A), Malda Division, WBSEDCL
4. The Manager / AM (F&A) / Junior Manager (O.O.), Malda Division, WBSEDCL
5. The DE / AE (Tech), Malda Division, WBSEDCL
6. Notice Board

11/03/26

Divisional Manager
Malda Division
WBSEDCL, Malda

Malda
11/3/26.



TURN BUCKLE

Technical Specification
Accessories related to L.T. Arial Bunch Cable

CONNECTORS AND FITTINGS FOR LV – ABC

Standards: NF C 33020, 33021, 33040, 33041, 33042 & ESI 43-14

Summary:

1. General Conditions

The products shall be in accordance with Indian standards and most of the European recognised standards used in LT ABC (NFC for example) or with any relevant standard.

- Marking: Each product shall be clearly identified with Manufacturer name or trade mark, reference and capacity of the item and batch No.
- Packaging: Manufacturer shall mention the packaging of each item. Installation instruction should be included in the packaging.
- Type tests: Each supplier should provide type test reports with the offer, carried out in accordance with one of the referenced standards in NABL accredited laboratory.
- Routine tests: Suppliers shall provide a control plan, which will be implemented on each item. Routine Test reports should be submitted by the manufacturer with the Inspection Call.
- Quality: All suppliers should be ISO 9000 certified.
- Anchoring and Suspension clamps should be installable on existing poles using appropriate devices (hooks, pigtails, brackets etc.)
- All crimped connectors should be installed with mechanical or hydraulic hand crimping tools.

2. Anchoring clamp *for Insulated messenger*:

The clamps should be designed to anchor LV-AB Cable with insulated neutral messenger. The clamp should consists of an Aluminium alloy corrosion resistant casted body, bail of stainless steel and self-adjusting plastic wedges which shall anchor/hold the neutral messenger without damaging the insulation.

- The clamp should be installed properly.
- No losable part in the process of clamping arrangement.
- The clamp should conform to the standard NF C 33041 and 042 or equivalent I.S., if any.
- The clamp body should be made of corrosion resistant Aluminium alloy, bail should be of stainless steel and wedges should be of weather and UV resistant polymer.
- Clamps should be fixed with pole by eye hook/bracket. Bracket should be made of corrosion resistant Aluminium alloy.
- Ultimate Tensile Strength of the clamp should not be less than 15 KN for 50/70 Sq.mm insulated messenger wire / 10 KN for 25/35 sq.mm insulated messenger wire.
- Slip load of the clamp should not be less than 3 KN for 50/70 Sq.mm insulated messenger wire/2 KN for 25/35 sq.mm insulated messenger wire.
- Design as per furnished drawing.

3. Suspension clamp *for insulated neutral messenger:*

The clamps should be designed to hang LV-AB Cables with insulated neutral messengers. The neutral messengers should be fixed by an adjustable grip device. A movable link should allow longitudinal and transversal movement of the clamp body.

- The clamp should be installed properly.
- No losable part in the process of clamping arrangement.
- The clamp should conform to the standard NF C 33040 or equivalent I.S., if any.
- The clamp and the link made of the Polymer should provide an additional insulation between the cable and the pole.
- The clamps and the movable links should be made of weather and UV resistant glass fibre reinforced polymer.
- Clamps should be fixed with pole by eye hook/bracket. Bracket should be made of corrosion resistant aluminium alloy.
- Ultimate Tensile Strength of the clamp should not be less than 15 KN for 50/70 Sq.mm insulated messenger wire / 4.3 KN for 25/35 sq.mm insulated messenger wire.
- Maximum Allowable load of the clamp should not be less than 20 KN for 50/70 Sq.mm insulated messenger wire / 15 KN for 25/35 sq.mm insulated messenger wire
- The clamp should sustain to maximum angle of deviation of 60 degrees of the conductors.
- Design as per furnished drawing.

4. Service clamps

The clamps should be designed to anchor insulated service lines (armoured or unarmoured) with 2/4 conductors.

- The clamps should be made of weather and UV resistant polymer.
- The clamp should be installed properly.
- No losable part in the process of clamping arrangement.
- The clamp should conform to the standard NF C 33042 or equivalent I.S., if any.
- Breaking load of the clamp should not be less than 3 KN.
- Design as per furnished drawing.

5. Transformer connections

- The connection to the transformer should be made with Pre-Insulated Lugs for Phase and Street Lighting conductors and with an Aluminium Lug for Neutral Messenger. If the Bus Bars are of Copper, the Lugs should be preferably Bi-metallic type.
- The Barrel of the Lug normally insulated with an Anti-UV black Thermoplastic tube sealed with a Flexible ring. Die reference, size and strip length are indicated on the plastic.
- Sizes Covered: 16 – 70 & up to 150 mm^2 Aluminium XLPE insulated
- Referenced standard: NFC 33 021 or equivalent I.S., if any.
- Design as per furnished drawing.

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6. Junction sleeves

- The sleeves should be Pre - Insulated for Phases, neutral messengers and Street Lighting conductors.
- Sleeve should be made of Aluminium, insulated with an anti UV black thermoplastic tube hermetically sealed two ends with 2 flexible rings. Die reference, size and strip length are indicated on the sleeve itself.
- Sizes needed: 16 – 70 -& upto150 mm² for Aluminium XLPE insulated
- Referenced standard: NFC 33 021 or equivalent I.S., if any.
- Design as per furnished drawing.

7. Insulation Piercing Connectors as per the standard NF C 33020 or equivalent I.S., if any.

SCOPE

In the process of replacing the Bare Conductors with LT AB Cables to reduce power theft & Transmission Losses, it is important to analyze the proper method of providing service connection from AB Cables to our consumers without damaging the cable. Removal of Bare Conductor, Stringing of LT AB Cable & re-establishing the service connections should be simultaneous process. In this regard the Insulating Piercing Connectors are required- a) for providing 1-2 service connections from 8 mtr. PCC LT pole, b) for providing supply to Junction/ Distribution Box from AB Cable & c) for establishing Tee connection from LT ABC to LT ABC.

This Insulating Piercing Connectors should not be exposed to any bare conductor in the environment during connection. The connectors should be totally Weather & Moisture proof so that no water or moisture can enter through the pierced holes on to the cable insulation.

It must have Shear Head type mechanism to control the effective Torque during connection and to ensure perfect installation. Connectors should not have any losable parts, which may drop and then lost while installation at overhead conditions. For individual connectors Torque required for different conductor sizes should be mentioned in the equipment.

TECHNICAL REQUISITES

Construction: The connectors should be totally insulated with no loose parts. The connectors should be totally Weather & Moisture proof so that no water or moisture can enter through the pierced holes on the cable insulation.

Voltage Ratings: The maximum voltage withstand capacity should be 6 KV.

Moisture Ingress: The connectors should work at 30 cm under water bath for 30 min. & voltage applied of 6KV for 1 min. without any flashover/ failure & moisture ingress in it.

Working Temp.: Designed for installation from -10˚C upto +60˚C & operation experience with temperature from -20˚C upto +75˚C.

Materials: Material used in the manufacturing process of the components of this product should be specified in the respective product drawings & can be summarized as follows:

- All the metallic part of the connector should be Corrosion resistance & should be proven in Salt Fog chamber & Wet SO_2 gas chamber & there should not be any change in contact resistance & temperature after overloads & load cycling.
- The contact plates should be made of tinned Copper.
- Connector teeth should be factory greased & sealed to retard water or moisture ingress & corrosion.
- The insulation material should be made of weather & UV resistance, reinforced polymer.
- The outer metallic part should have potential free tightening bolts to allow safe installation on life lines.
- The bolts should be of Shear Head type so that it controls the effective applied Torque during installation & break off at a specified torque after establishing proper connection.
- The connector should not have any losable component. The cable end cap should be attached to the body.

TESTING STANDARDS:

The Insulating Piercing Connector should conform to following std.-

Tests	Tests Standard/ Test Procedure
Corrosion Qualification Test	As per NF C 33-020 (Jun'98), or equivalent I.S., if any. Exposure in Saline Environment- The exposure should be carried out as per NF EN 60068-2-11(Aug'99) std. requirement. The concentration of Saline solution must be of 5% ± 1% in mass, & the temperature of the test chamber must be maintained at 35˚C ± 2˚C. Exposure in Sulphur environment saturated of humidity - The exposure should be carried out as per NF T 30-055(Mar'74) std. requirement. SO_2 concentration in the chamber should be 0.067% in volume. The temperature of the test chamber should be increased to 40˚C ± 3˚C. The total test should include four identical periods of 14 days, in which 7 days of exposure in Saline environment & in other 7 days - 8 hrs cycles in SO_2 environment & 16 hrs in laboratory environment.
Electrical Ageing Test	As per NF C 33-020 & NF C 33-004 (Jun'98), or equivalent I.S., if any. Total no. of cycles-200, Heating time -60 mins., Cooling time-45mins., Pause time – 2 mins.
Dielectric Investigation Test in Water	As per NF C 33-020 (Jun'98), or equivalent I.S., if any. The connector should be placed in an ambient temperature between 15˚C & 30˚C & relative humidity between 25% & 75%. The tightening of the connectors should be at minimal value of the torque indicated by the manufacturer. The sample should be placed in tank full of water on 30cm height, after an immersion length of 30mins. The set is subjected to a dielectric test under a voltage of 6KV at industrial frequency during 1 min. No flashover/ breakdown should occur at 6KV during 1 min.
Mechanical Tests	As per NF C 33-020 (Jun'98), or equivalent I.S., if any. For checking electrical continuity, shear heads & mechanical behaviour of the connector's suitable tests as per the above specification have to conduct.

Capacity needed:

For ABC 16 to 95 mm^2

Model 1 for customer service Main 16 to 95 mm^2
Tap 2.5 to 10 mm^2 (For Street lighting)
Design as per furnished drawing.

Model 2 for customer service Main 16 to 95 mm^2
Tap 04 to 35 mm^2 (For distribution box charging)
Design as per furnished drawing.

Model 3 for customer service Main 25 to 95 mm^2
Tap 25 to 95mm^2 (For ABC to ABC Tee Joint)
Design as per furnished drawing.

Referenced standard: NFC 33 020 or equivalent I.S., if any.

8. ABC Service main Distribution boxes

SCOPE

This Distribution Box should be Weather & Moisture Proof with Spring loaded Bus Bar system & should be able to carry a current according to specified ampacity. It can have 1 /3-phase input & provision for 4 or 9 nos. of 3- phase or 1-phase outputs. The box should have the provision for special key for locking & Proper arrangement of sealing. The boxes should be assembled on the pole using Metal Tapes & Buckles or Bolts. No. of Boxes per pole may vary with supporting arrangement for more no. of service connections.

TECHNICAL REQUISITES

Construction:

Distribution Boxes should be designed with Bus Bars with spring action contact, so that no screw-bolt technique is required to operate & only insertion of the conductor into the specified groove of the Busbar is sufficient for proper connection. It should be used for multiple connections (3-phase or 1-phase) in low voltage Distribution Network.

The boxes should be suitable for 1/ 3-phase (4 cores) inputs & provision for 4 or 9 nos. of 3- phase or 1-phase outputs. Bus bars should be with a continuous pair of contact bars with colour code to facilitate the identification of the correct energy phase.

The box should be able to incorporate the input or output cable dia. of maximum 16mm. (Equivalent to 120Sqmm.)

The Boxes should consist of special type Lock & key system as well as provision for sealing for complete protection of the service connection contacts.

Current Ratings:

The maximum current rating should be 140A/ 200A/ 250A. & concerned authority should have the liberty to choose among the above ratings as per their requirement.

Voltage Ratings:

The maximum voltage withstand capacity should be 600V.

Working Temp.:

Safe working temperature should be around 80˚C for Outer Box & 100˚C for metallic Bus bars.

Materials:

Material used in the manufacturing process of the components of this product should be specified in the respective product drawings & can be summarized as follows:

- Outer Box (Base & Cap): With UV protection & Flame retardant characteristics (HB, as per UL 94- Tests for Flammability of Plastic materials) & preferably made up of ASA (Acrylonitrile Styrene Acrylate).
- Cable Grommets: Ethylene-Propylene Rubber.
- Safety Key: PA 6.6 (Nylon).
- Safety Screw: Stainless Steel or Plating Finished steel.
- Insulator protection as per IP 44
- Bus bars or Terminal Blocks: PA 6.6 (Nylon), Stainless Steel & Copper.
- Button & Cable Holder: PA 6.6 (Nylon) with 50% Glass Fibre.
- Busbar Insulation: Polyamide.

Locking System:

The boxes should consist of Special type Lock & Key arrangement as well as provision for sealing for complete protection of the service connection contacts.

TESTING STANDARDS :

Impact Resistance should be according to UL 746C. Insulation Protection should be as per IP 44. The Outer Plastic box should conform to following std.-

Test / Standard	Requirements	Test Procedures
Degree of Protection IEC 60529	IP 44 - Protected against the penetration of solid objects exceeding 1.0 mm in diameter and against penetration of water jets that may affect the product operation.	First Digit: A 1.0 mm diameter test wire should not penetrate in any apparent opening (force = 1 N ± 10%). Second Digit: A spray nozzle is used to spread a water jet in all possible directions.
Impact Resistance UL 746-C	After the test the product should not show any evidence of: - Live electrical parts accessible to the test probe, as described in this test specification. - Any results, which may affect the mechanical performance of the product. - Any results, which may increase the probability of electrical shocks.	The impact should be generated by dropping a steel ball - with a diameter of 50.8 mm and a mass of 0.535 kg - from a specified height sufficient to produce an impact energy of 6.8 J (0.6913 kg.m).
UV Resistance UL 746-C	The sample physical properties average value - after an accelerated aging with UV radiation - should not be lower than 70% of its initial value, without aging, that is, a variation of ± 30% is allowed.	According to ASTM G26, Exposure Method 1, Xenon Arc Lamp Type B or ASTM G155, Exposure Cycle 1, with continuous exposure to light and intermittent exposure to water jets, with programmed cycles of 120 minutes, consisting of a 102 minutes light-only exposure and a 18 minutes exposure to light and water jets.
Withstanding Voltage UL 746-C	Product should withstand the specified voltage.	A 5 kV voltage should be applied to the samples after the 40 hours conditioning cycle at 23 ± 2 ºC and 50 ± 5 % relative humidity plus 96 hours at 35 ± 2 ºC and 90 ± 5 % relative humidity.
Flammability UL 94	After the UV radiation accelerated aging, the material should maintain the same original flammability level (HB).	The test can be applied to test samples molded with the same material used for the base and the cap of the box or taking a piece of these components.
Flexural Strength ASTM D790 UL 746-C	After UV radiation accelerated aging, the average value for this test should not be lower than 70% of the original value, that is, a maximum variation of 30% is allowed.	A group of test samples without aging should be tested and the average values calculated. Another group should be aged under UV radiation, then it should be tested and the new average should be calculated and compared to the initial average value.

Tensile Strength ASTM D638 UL 746-C	After aging with UV radiation, the average value should not be lower than 70% of the initial values, that is, a maximum variation of 30% is allowed.	One of the test bodies must be tested without being submitted to accelerated aging and is computed over mean values. Another group is submitted to the radiation induced aging and then tested and the new mean value is computed and compared to the first computed mean value.

9. Eye Hooks:

Eye hooks should be designed as to hold Suspension Clamps and Dead end Clamps and to be installed with the Pole Clamps:-

- Eye hooks should be made of forged Galvanised Steel.
- The clamps corrosion resistance should confirm to the standard IS: 2629 and IS: 2633
- Bolt and nuts should be made of hot dip galvanised steel ,according to VDE 0210 and VDE 0212.
- Ultimate Tensile Strength (UTS) of the clamp should be 20 KN.
- Design as per furnished drawing.