

**West Bengal State Electricity Distribution Company Limited**  
**(A Government of West Bengal Enterprise)**

Registered Office:  
Bidyut Bhavan, Block – DJ  
Sector – II, Bidhannagar  
Kolkata – 700 091  
CIN – U40109WB2007SGC113473  
2580319



Division Office : Siliguri Sub-Urban  
Shibmandir, Dist. - Darjeeling  
Pin. – 734 011  
E Mail –suburban.division@gmail.com  
Tel. No. 0353 - 2581005(Fax)/

**Website – www.wbsedcl.in**

NIT No. :DM/SSD/E-Tender-22/2025- 2026/790

Dtd. 26.12.2025

**NOTICE INVITING e-TENDER**

The Divisional Manager, Siliguri Sub Urban Division, WBSEDCL invites e-Tender only from the bonafide, experienced & resourceful manufacturers / suppliers / Distributors for manufacture, testing, supply and delivery of the following items who have successfully supplied the similar type of items to WBSEDCL / other Power Utilities / Govt. / Semi Govt. Departments/ Govt. undertaking Organizations /Govt. Enterprises during last 7( seven) years not less than 50% of the estimated cost either individual or total order(Submission of Bid through online).

Sl. No.	Name of the Work	Estimated Cost	Earnest Money	Period of Completion after issuance of order	Name & address of the Concerned Office
01.	Supply and delivery of 750 NOS Alu. Crimping socket (CAB)- 185Sq.mm <b><u>Make-SONA, MCI, SMI</u></b> <b>(Details of Drawing &amp; Specification as per WBSEDCL approved</b>	₹ 4,98,000.00	₹ 9960.00	30( Thirty days)	Office of the Divisional Manager, Siliguri Sub Urban Division, WBSEDCL, Shibmandir, Siliguri Pin734011
02.	Supply and delivery of 200 NOS H/W SINGLE Tension for WOLF COND Details of Drawing & Specification as per WBSEDCL approved				

**Terms & Conditions of the E-Tender:**

- Intending bidder should download the tender documents from the website <http://www.wbtenders.gov.in> directly with the help of Digital Signature Certificate. Both Technical Bid and Financial Bid should be submitted in Technical and financial folder concurrently duly digitally signed by the Tenderer through the website <https://wbtenders.gov.in>.
- Technical Document and Financial Bid should be submitted online on or before as per the 'Date &Time Schedule' stated in Sl. No.-06.
- The FINANCIAL OFFER of the prospective tenderer will be considered only if the TECHNICAL DOCUMENT of the tenderer found qualified by the Tender Inviting Authority. The decision of the Tender Inviting Authority will be final and absolute in this respect. The list of Responsive and Non-Responsive Bidders will be displayed in the website.

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**4. Eligibility criteria for participation in the tender :**

Bonafide, experienced & resourceful contractors of Govt., Semi Govt., Govt. undertaking Organizations, Govt. Enterprises etc. who have to submit Credential (Copies of Purchase Orders and corresponding Delivery Challans /Stores Receipt vouchers/ GST Invoice, etc.) in support of previous supply of the tendered item to WBSEDCL/WBSETCL/Other Power Utilities in earlier occasions during last 7 (seven) years not less than the 50% of the estimated cost either individual or total.

Documents of Credential (in the form of work completion certificates and payment certificates) of executing similar nature of works

- Original manufacturer/ Distributor/ Dealer of the tendered items will be eligible in the tender and must be submit valid Dealership Certificate and authorization letter from manufacturer with the tender.

All intending Bidders are required to upload valid copies of :

- a. GST registration certificate
- b. PAN Card.
- d. I.T Return for last three financial years
- e. Professional tax deposit challan for the year 2024
- e. Trade license
- f. Registered HSN/ SAC Code as applicable against quoted item.
- g. Company registration no (if bidder is company)

**5. No mobilization / secured advance will be allowed**

**6. Date & Time schedule:-**

Sl.	Particulars	Date & Time
01.	Date of uploading of N.I.T and Tender Documents (online). [Publishing date]	29.12.2025 after 02:00hrs.
02.	Documents sell / download start date (online).	29.12.2025 after 02:00hrs.
03.	Bid Submission upload start date (online)	29.12.2025 after 02:00hrs.
04.	Bid Submission upload end date (online)	15.01.2026 up to 15:00hrs
05.	Date for opening of Technical bid (online) for the Bidders	19.01.2026 at 15.00 Hrs
06.	Date of uploading the Final List of Technically Qualified Bidders after Technical Bid Evaluation (online).	To be intimated later.
07.	Date for opening of Financial Bid (online).	To be intimated later.

- If a Holiday falls on any of the aforesaid scheduled date then scheduled date shall be considered on next working day.

**7. Bid validation: Bids shall remain valid for a period not less than 180(One hundred eighty) days after date of Bid opening of tender. Bid valid for a shorter period shall be rejected by the Tender Inviting Authority as non-responsive. If the tenderer withdraws the bid before the period of bid validity without giving any satisfactory explanation for such withdrawals, the earnest money as deposited will be forfeited forthwith without assigning any reason thereof.**

**8. Earnest Money: The amount of the Earnest Money is Rs. 9960/-**

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- A bidder desirous of taking part in a tender invited by Offices of WBSEDCL shall login to the e- Procurement portal of Government of West Bengal <https://wbtenders.gov.in> using his login Id and password.
  - The bidder shall select the tender to bid and initiate payment of EMD. Following payment options are available for paying EMD amount through online mode:
  - Net-banking through Payment Gateway.
  - 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 the e- Procurement portal to continue the bidding process after expiry of a reasonable time to enable the RTGS/NEFT process to be completed.
  - Submission of EMD through BG: For submission of EMD in the form of BG, bidders will have to opt for EMD Exemption in e-tender portal and upload the scanned copy of BG in the EMD exemption document upload section. Physical copy of BG shall be submitted at the office of tender inviting authority as per respective clauses of NIT.
  - EMD amount can be paid either in online mode or submitted through Bank Guarantee (BG) in full. Partial payment through online mode and remaining submission through BG is not allowed.
  - General Instructions for Online Payment:
  - The bidder will have to mandatorily pay through Net-banking facility once Net-banking mode is opted for payment.
  - Status of NEFT/RTGS payment through challan for a bid may take time for bank settlement which is updated in 24 Hrs. (approx.). As such bidders opting to pay through NEFT/RTGS mode shall make payment well before 24 Hrs. to avoid any complicity.
  - In case actual EMD amount as per NIT is more than the one shown in E-tender Portal, bidders will have to opt for NEFT/RTGS mode (challan mode). In that case the total actual EMD amount is to be paid only through NEFT/RTGS mode (challan mode).
  - The bank account used for payment of EMD by the bidders shall be maintained operative until the completion of tendering process. All refunds will be made mandatorily to the Bank A/c from which the payment of EMD has been initiated.

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• **Refund/Settlement of EMD Amount:**

- For unsuccessful bidders, EMD amount submitted against the tender shall be refunded automatically, through an automated process, by NIC portal on receipt of upload status of any bid.
- For successful bid(s), EMD will be refunded from WBSEDCL authority after completion of tendering process and following due procedures.
- The bank account used for payment of EMD by the bidders shall be maintained operative until the completion of tendering process. All refunds will be made mandatorily to the Bank A/c from which the payment of EMD has been initiated.
- For any queries related to payments and refunds, bidders will have to communicate with ICICI Customer Support, viz, 033-40267512/13 since payment gateway facility used by E-tender portal is maintained by ICICI.

- Successful bidder(s) shall have to mandatorily **create vendor id through WBSEDCL Web Portal Vendor Corner**, if not created earlier.

9. Security Deposit: In respect of successful bidder, the Earnest Money after acceptance of Tender shall be converted as a part of the security deposit. The successful bidder who deposited Earnest Money, balance of necessary 10 % of security deposit shall be realized from the final bill amount. In all cases the amount of recovery of the final bill will be so adjusted as to make the total amount of security deposit equivalent to 10 % value of the contract value.
10. The Bidder, at his own responsibility and risk is encouraged to visit and examine the site of works and its surroundings and obtained 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 own expense.
11. The intending Bidders shall clearly understand that whatever may be the outcome of the present invitation of the Bid, the Tender Inviting Authority reserves the right to accept or reject any / all offer without assigning any reason whatsoever and is not liable for any cost that might have incurred by the Bidder at the stage of bid.
12. Prospective applicants are advised to note carefully the minimum qualification criteria as mentioned in ‘ ‘ stated in Section – ‘A’ before tendering the bids.

**Instruction to bidders**

13. Payment will be depended on availability of fund. Intending bidders may consider this criteria while submission of tender and quoting their rate through online.
14. No Conditional Bid / Incomplete Tender will be accepted under any circumstances.
15. At any stage during scrutiny, if it is found that the credential or any other papers which the Bidder uploaded during Bidding process, found incorrect / manufactured / fabricated, that bid will be considered a nonresponsive and outright rejected with forfeiture of Earnest Money and action will be taken as per stipulation of IT Rules in force.
16. Before issuance of Letter of Acceptance / Work order, the tender accepting authority may verify the credential & other documents of the lowest bidder so uploaded online if found necessary. If it is found such document incorrect / manufactured / fabricated, Letter of Acceptance / Work order will not be issued in favour of the bidder under any circumstances and action will be taken accordingly.

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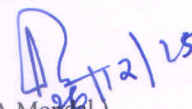
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17. The Tender Inviting Authority reserves the right to cancel the NIT due to unavoidable circumstances and no claim in this respect will be entertained.
18. The company shall no way be held responsible or liable for any accident, mishap of any worker during the execution of the work, any loss or damage cause to any equipments of WBSEDCL during execution shall have to be compensated in full as per direction of the Tender Inviting Authority.
19. Standard safety norms as prescribed in the rules and regulations of WBSEDCL have to be religiously followed.
20. Penalty of ½ % per week of delay or part thereof subject to maximum of 2.5 % of the ordered value will be charged on the bill for non delivery of the materials within time.
21. Other information as well as terms and conditions, which are not covered above, will be available in Instructions to Bidders, General Conditions of Contract of this tender along with the Revised Purchase Policy of WBSEDCL.
22. Price Bid of a bidder will be considered only if his Techno-commercial Bid is found acceptable by WBSEDCL. Decision of WBSEDCL will be final and absolute/binding in this respect. The list of techno-commercially qualified bidders will be displayed in the said website in due course.
23. Any bidder against whom FIR/Complaint is lodged with Police by WBSEDCL shall not be eligible to participate in the bidding process.
24. If the offer is submitted without or inadequate Earnest Money, the bid will not be opened. In case of incomplete offer, the tender will be liable for rejection and Earnest Money Deposit will be forfeited.
25. Any evidence of unfair Trade Practices including over charging, price fixing, cartel etc. as defined in various statutes, will automatically disqualify the bidders.
26. In case the quoted rate by the bidders is in the range of (-)20% to (-) 80% of the estimated amount, the contractor shall furnish an Additional Performance Security in the format given in Annexure-VII which shall be equal to 10% of the tendered amount. (As per memo no: 82(5)-POW-13099/3/2018-SECTIONS (POWER) dated 05.07.2021 of Govt. of West Bengal, Department of Power). The Additional Performance Security shall be submitted in the form of Bank Guarantee issued by any Scheduled Commercial Bank as per enclosed format before placement of award of contract.

Tender Inviting Authority:-

  
(A. Mondal)  
Divisional Manager  
Siliguri Sub-Urban Division  
WBSEDCL



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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 (s) whatsoever.
2. WBSEDCL is not necessarily bound to accept the lowest offer.
3. Submission of Bidding Documents will not be construed to mean that such bidder is automatically considered qualified.
4. Tender submitted after expiry of scheduled date and time shall not be considered.
5. The Bidding Documents are not transferable and cost of the same is not refundable under any circumstances.
6. No interest shall be payable for Earnest Money.
7. Any extraneous conditions will be treated as non-responsive.
8. The Bids must be submitted in prescribed proforma only.
9. Formation of any Cartel, may lead to the cancellation of tenders with period measures as necessary and WBSEDCL reserves the right to take such unilateral decisions without further notice to anyone.
10. Bidders shall ensure that all pre-requisites are duly fulfilled by them and if there be any dispute regarding non submission of any document, WBSEDCL reserves the right to cancel the Bid unilaterally without assigning any reasons whatsoever.
11. The bidder is expected to examine carefully all instruction, 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.

SECTION - A

INSTRUCTION TO BIDDERS

A. General guidance for e-Tendering

Instructions / Guidelines for tenders for electronic submission of the tenders online have been annexed for assisting the contractors to participate in e-Tendering.

1. Registration of Contractor:

Any contractor willing to take part in the process of e-Tendering will have to be enrolled & registered with the Government e-Procurement system, through logging on to <https://wbtenders.gov.in> (the web portal). The contractor is to click on the link for e-Tendering site as given on the web portal.

2. Digital Signature certificate (DSC):

Each contractor is required to obtain a class-II or Class-III Digital Signature Certificate (DSC) for submission of tenders, from the approved service provider of the National Information's Centre (NIC) on payment of requisite amount. Details are available at the Web Site stated in Clause-2 of Guideline to Bidder DSC is given as a USB e-Token.

3. The contractor can search & download NIT & Tender Documents electronically from computer once he logs on to the website mentioned in Clause 2 using the Digital Signature Certificate. This is the only mode of collection of Tender Documents.

4. Submission of Tenders:

Tenders are to be submitted through online to the website in two folders at a time for each work, one in Technical Proposal & the other in Financial Proposal before the prescribed date & time using the Digital Signature Certificate (DSC) The documents are to be uploaded (virus scanned copy) duly Digitally Signed. The documents will get encrypted (transformed into non readable formats).

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**Technical proposal:**

The Technical proposal should contain scanned copies of the following documents

**1. Non Statutory / Technical Document Cover file Containing:**

- a. GST registration certificate
- b. PAN Card.
- c. I.T Return for last three financial years (2021-2022,2022-2023,2023-2024)
- d. Professional tax deposit challan for the year 2024.
- e. Trade license
- f. Registered HSN/ SAC Code as applicable against quoted item.
- g. Company registration no (if bidder is company)
- h. Self attested Documentary evidence(s) regarding fulfillment of Commercial eligibility criteria as per clause no. 5.0 of “Terms & Conditions of the E-Tender”.

**i. Statutory Cover file Containing:**

27. One Sample of Each Material is to be submitted at Siliguri Sub Urban Divisional Store located at P.O. Kadamtala, Shivmandir, Dist. Darjeeling, physically within the closing date of tender. The tag with the sample should contain the name of the sample as well as the name of the vendor/bidder, for a valid tender, sample has to be approved by the Divisional Authority. The approval or rejection of sample will be communicated via mail/electronically subsequently. The technical evaluation of bidders, whose samples aren't approved, will not be opened & henceforth they will be deemed disqualified. Rejected samples can be taken away. After PO is awarded, the awardees can adjust the sample with the delivered material lot & the remaining materials can be taken back by the respective vendors.

**28.** Original manufacturer/Distributor / dealer of the tendered item will be eligible in the tender and must submit Dealership certificate/authorized later in PDF format

- a. Scanned document for confirmation of payment

Note: Failure of submission of any of the above mentioned documents will render the tender liable to be rejected for both statutory & non statutory cover.

**THE ABOVE STATED NON-STATUTORY / TECHNICAL DOCUMENTS SHOULD BE ARRANGED IN THE FOLLOWING MANNER**

Click the check boxes beside the necessary documents in the My Document list and then click the Tab ‘Submit Non Statutory Documents’ to send the selected documents to Non-Statutory folder.

Next, click the tab “Click to Encrypt and upload” and then click the “Technical” Folder to upload the Technical documents.

No.	Category Name	Sub-category Description	Details
	Certificates	Certificates	a. GST registration certificate b. PAN Card. c. I.T Return for last three financial years (2021-22,2022-23 & 2023-24) d. Professional tax deposit challan for the year 2024 e. Trade license f. Registered HSN/ SAC Code as applicable against quoted item. g. I.T. Return for AY 2024-25
	Company Detail(s)	Company Detail	Company registration no (if bidder is company)

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	Credentials	Credential	1. Nos Completion Certificate or Payment Certificate of the said materials having financial involvement of not less than 80% of the estimated value of the said item(s).
			said item(s). OR 2. No's Completion Certificate or Payment Certificate of the said materials having financial involvement of not less than 60% of the estimated value of the said item/item(s). OR 3. No's Completion Certificate or Payment Certificate of the said materials having financial involvement of not less than 40% of the estimated value of the said item/item(s). c) Documents in support of credential :Completion and payment Certificate must be submitted

The bidder shall have to go through all the “Annexures” enclosed in this bid document and submit the filled in proforma of the appropriate/relevant annexures with the bid document putting the signature with seal of the Company before uploading the tender.

Price bid should contain the priced “Bill of Quantities” (BOQ) in one cover (folder). Bidder is to quote the rate in the space marked for quoting rate in the BOQ.

**4.1.1. Opening of Technical proposal:**

26. Technical proposals will be opened by the Divisional Manager, Siliguri Sub Urban Division, WBSEDCL, P.O. Kadamtala, Shivmandir, Dist. Darjeeling, and his authorized representative electronically from the web site stated using their Digital Signature Certificate (DSC).

- a. Intending tenderers may remain present if they so desire.
- b. Cover (folder) for Statutory Documents will be opened first and if found in order, cover (folder) for NonStatutory Documents will be opened. If there is any deficiency in the Statutory Documents the tender will summarily be rejected.
- c. Summary list of technically qualified tenderers will be uploaded online.
- d. Pursuant to scrutiny & decision of the Department, the list of eligible tenderers will be uploaded in the web portal.

**VALIDITY OF BIDS:**

Price bid of the tender shall be opened after opening of “Techno- Commercial Bid & EMD”. Bids shall remain valid for a period of 180 days from the next day of opening of the tender.

**Earnest Money Deposit (EMD):**

The bidder shall deposit the requisite earnest money offline, in the form of ‘Bank Draft’ which shall also be uploaded with



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the bid. Tenderer shall not claim any interest on Earnest Money Deposit. Earnest money will be refunded to the unsuccessful tenderers after finalization of the tender but not later than 60(sixty) days after the expiry of the period of bid validity prescribed by WBSEDCL.

The bid guarantee/EMD shall be forfeited:

If during the period of validity specified by the bidder, the bidder withdraws/modifies its bid as a whole or part. If bidder deviates from any clarification/confirmation given by him subsequent to submission of his bid.

In case of successful bidder, if bidder fails

To accept LOI/Order unconditionally and sign contract to furnish the contract performance bond.

Financial proposal:

The financial proposal should contain the following documents in one cover (folder) i.e. Bill of quantities (BOQ). The contractor is to quote the rate online through Computer in the space marked for quoting rate in the BOQ.

Only downloaded copies of the above documents are to be uploaded virus scanned & Digitally Signed by the contractor.

**5. PRE BID MEETING:**

- a. A pre bid meeting shall be arranged by WBSEDCL in which all the bidders will be requested to attend.
- b. If there be any discrepancy or obscurity in the meaning of any clauses of the bid document or if there be any query of the intending bidder, the bidder may submit their queries to the tendering authority before specified date. Any change in date shall be intimated to the bidders through e-mail or fax, telephone.
- c. Non attendance at the pre-bid discussion will not be a cause for disqualification of bidders.
- d. The clarification given in the pre bid discussion shall be final and binding on the bidder, being a part of the original Bid Document.
- e. Pre-bid proceedings, if any, shall be uploaded online.

**6. BID SUBMISSION:**

Bids shall be submitted online within the stipulated deadline. WBSEDCL may at its discretion, extend the deadline of bid submission by issuing an amendment. In that case all rights and obligations of WBSEDCL and the bidders previously subject to the original deadline shall thereafter be subject to the new deadline as extended.

**7. BID WITHDRAWAL/MODIFICATION:**

The bidder may modify or withdraw his bid after submission but within the deadline of bid submission, provided written notice of the modification/withdrawal is received by WBSEDCL prior to the deadline for bid submission. No bid shall be modified/ withdrawn after the deadline of bid submission. Modification /withdrawal of bid by any bidder after the deadline of bid submission shall result into forfeiture of EMD.

**8. BID OPENING:**

- a. Bid Guarantee/EMD shall be scrutinized.
- b. Techno-commercial bids shall be opened only for those bidders whose EMD has been found in order. Bidder's representatives with written authorization (max. 2 persons per bidder) may attend bid opening. No electronic recording shall be permitted during bid opening.

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- c. WBSEDCL will scrutinize and evaluate techno-commercial bid. After that, the list of techno-commercially qualified bidders and date & time of price bid opening will be notified in the web portal.
- d. WBSEDCL may, at its discretion, extend the key dates of the bid or cancel the entire bidding process.
- e. WBSEDCL reserves to instruct the bidders to submit hard copy of any relevant document (and to produce the original documents for verification) during scrutiny & evaluation of bids. Bidders' failure to comply to such instruction may lead to rejection of bid.

**9. PROCESS TO BE CONFIDENTIAL:**

- a. After the opening of bids, information relating to the examination, clarification, evaluation and comparison of bids, and recommendations concerning the award of contract shall not be disclosed to bidders or other persons not officially concerned with such process.
- b. Any effort by a bidder to influence WBSEDCL or other connected in the process of examination, clarification, evaluation and comparison of bids, and in decisions concerning the award of contract, may result in the rejection of his/their bid.
- c. Formation of any Cartel, may lead to the cancellation of tenders with penal measures as necessary and WBSEDCL reserves the right to take such unilateral decisions without further notice to anymore.

**10. RIGHT TO REJECT BIDS:**

WBSEDCL reserves the right to accept or reject the bid, wholly or partly, or to split the work in parts and to add/delete any of the items, without assigning any reason whatsoever.

**11. COST OF BIDDING:**

The bidder shall bear all costs associated with the preparation and submission of his bid and WBSEDCL in no case shall be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

**12. DETERMINATION OF RESPONSIVENESS:**

Prior to the detailed evaluation of bids, WBSEDCL will determine whether the bid is substantially responsive to the requirement of the bidding document.

For the purpose of this clause a substantially responsive bid is one which conforms to all the terms, conditions and specification of the bidding document, without material deviation, or reservations. WBSEDCL's determination of bid's responsiveness shall be based on the contents of the bid itself without recourse to extrinsic evidence.

If a bid is not substantially responsive to the requirements of the bidding document, it may be rejected by WBSEDCL and the same cannot subsequently be made responsive by the bidder by correction.

**13. CORRECTION OF ERRORS:**

If there be a discrepancy between the unit price and the total price that is obtained by multiplying the unit price & quantity, the unit price shall prevail and total price shall be corrected.

If there be a discrepancy in figure and word the total amount stated in word shall prevail.

**14. EVALUATION AND COMPARISON OF BIDS:**

On examination of documents submitted under different covers, WBSEDCL will evaluate and compare the bid, determined to be substantially responsive at each step.

Evaluation of bid will include and will take into account:

WBSEDCL shall evaluate and compare only the bids determined to be substantially responsive.

The bids shall be evaluated on the basis of total price for the entire scope of work covered under this bid document.

**West Bengal State Electricity Distribution Company Limited**  
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Registered Office:  
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Division Office : Siliguri Sub-Urban  
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Evaluation bid – price of all bidders shall be compared among themselves to determine the lowest evaluation bid and as a result of this comparison; the lowest bid will be selected for award of contract.

Conditional rebate, if any, offered by any bidder shall not be considered in Bid evaluation.

**15. PROCEDURE OF EVALUATION:**

Evaluation of e-tenders will be done in the following steps:

- Step-1: The Earnest Money will be examined. The mode and amount of deposit must be in conformity with requirements set forth in the "Earnest Money" clause, failing which the bid is liable for rejection without opening other covers.
- Step-2: Techno-Commercial Evaluation for two part bidding Only those bids meeting the requirements of previous step will be examined and assessed. The bidders will be intimated about the non-compliance of various techno commercial requirements and asked for conforming compliance with the condition of bidding document. In case, it is felt necessary by WBSEDCL that post bid discussion are required, the same will be carried out individually with each bidder. The bidders will be required to confirm compliance with all the conditions of bidding document. Bids, which do not satisfy the „Must Conditions“ will not be considered for technical evaluation. “Must Conditions” are to be submitted as per format enclosed with this section. No clarification will be asked from the bidder in this regard.
- Step-3 Opening of price part and financial evaluation on completion of techno-commercial evaluation. Cover containing price offer of the bidders who have successfully made the requirements of previous steps will be opened in presence of the bidder’s representative (maximum two) on subsequent pre-intimated date. Price bid of the bidders who do not fulfill the Techno-Commercial requirements shall not be opened.

**SECTION – B**

**GENERAL CONDITIONS OF CONTRACT AND SPECIFICATION FOR ELECTRICAL WORKS**

1. Any contractor willing to take part in the process of e-Tendering will have to be enrolled & registered with the Government e-Procurement system, through logging on to <http://wbtenders.gov.in> (the web portal). The contractor is to click on the link for e-Tendering site as given in the web portal.
2. The intending bidder(s) required to quote the rate item wise in the BOQ.
  - a. The quoted price should be firm. There will be no price variation during the pendency of the contract period or thereafter. Bidders are in no way allowed to get any escalation of price against the contract.  
Price indicated in the schedule of prices deemed to include all the levies / duties / cess & all other incidentals payable as per statute. Relevant Goods and Service Tax rules are applicable for the work. The estimated cost is exclusive of Goods and Services Tax. It will be paid to the appropriate authority / agency as per prevailing rates and rules in force
3. WBSEDCL, who do not bind itself to accept the lowest tender, reserves the right to accept or reject any bid and to annul the Bidding processes and reject all Bids at any time prior to the Award of Contract without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the ground for WBSEDCL’s (Tender Accepting Authority) action.
4. Canvassing in connection with tenders is strictly prohibited and the tenders submitted by the contractors, who resort to canvassing will be liable to rejection.
5. Bids shall remain valid for a period not less than 180 (One hundred eighty) days after date of Bid opening of tender.

**West Bengal State Electricity Distribution Company Limited**  
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**Registered Office:**  
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**Sector – II, Bidhannagar**  
**Kolkata – 700 091**  
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**2580319**



**Division Office : Siliguri Sub-Urban**  
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6. Earnest Money as per NIT should be submitted with the tender in the form of Bank Draft issued from any Scheduled Bank in favour of “West Bengal State Electricity Distribution Company Limited” payable at Kolkata.
7. Security Money:  
The Successful tenderer within **7 (seven)** days of receipt of LOI / order, shall submit his unconditional acceptance in writing failing which the Department shall have the right to terminate the LOI / Order as per rule and earnest money, submitted along with the tender will be forfeited. On receiving tenderer’s acceptance for the work the earnest money deposited with the tender will be automatically converted to form a part of security money deposited. An additional sum of security money, if required, shall be deposited by the tenderer to constitute initial security money of 2.5% (two percent) of ordered value. Further additional security money shall be deducted from the final bill at 7.5% (eight percent) of such bill so that the total deduction together with 2.5% (two percent) Security money already taken shall constitute not less than 10% (ten percent) of the total value of order as actually done. All security money shall be refunded after expiry of the period of maintenance which shall be **12 (twelve)** months normally, if not otherwise mentioned in the work order) after completion of the work. This period of maintenance shall be counted from the date of completion of job.

**08. Definition of terms:**

In writing these General Conditions of Contract, Specification and Bill of Quantity / Bidding Schedule (Schedule of work), the following words shall have normally the meanings here-in-after indicated unless there is something in the subject matter of content inconsistent with such construction.

- The Company / Purchaser / Owner / Department shall mean the WEST BENGAL STATE ELECTRICITY DISTRIBUTION COMPANY LIMITED (WBSEDCL), having its office at Siliguri Sub Urban Division, WBSEDCL, P.O. Kadamtala, Shivmandir, Dist. Darjeeling.
- The Engineer-in-Charge / Controlling Officer shall mean the Engineer deployed by the company for the purpose of this contract.
- Company’s representative shall mean any person or persons of WBSEDCL appointed by the Company and shall include the contractor’s, executor’s, administrators, successor and permitted assignees.
- The Contractor shall mean the Bidder who will be awarded with the contract by the Company and shall include the contractor’s, executor’s, administrators, successor and permitted assignees.
- The work Site shall mean the site of proposed work as detailed in the specification or any other place where the work is to be executed under the contract.
- The terms Services shall mean all works to be undertaken by the Contractor as laid down under the head ‘Scope of Work’ or elsewhere in the specification enclosed. When the words ‘approved’, ‘subject to approval’, ‘as directed’, ‘accepted’, ‘permitted’ etc. are used, the approval, judgment, direction etc. are understood to be a function of company.
- Writing shall indicate any manuscript, type written, printed or other statement reproduced in any visible form.
- Date of Contract shall mean the date on which the notification of award of contract / letter of award / telex award has been issued.
- Zero Date will be reckoned from the date of handing over of site.

**9. Scope of work:**

The contract comprises of supply & delivery of 750 NOS Alu. Crimping socket (CAB)- 185Sq.mm &

**West Bengal State Electricity Distribution Company Limited**  
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**CIN – U40109WB2007SGC113473**  
**2580319**



**Division Office : Siliguri Sub-Urban**  
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200 NOS H/W SINGLE Tension for WOLF COND to the Siliguri Sub Urban Divisional Store located at P.O. Kadamtala, Shivmandir, Dist. Darjeeling.

**10. INSPECTION & TESTING**

The successful bidder shall intimate the Controlling Officer for making necessary programme of inspection of the materials.

**11. Guarantee:**

In the event of any defect in the equipment/materials arising out of faulty design, materials, workmanship within a period of 12 (Twelve) months of delivery the supplier shall guarantee to replace the same to the satisfaction of the purchaser. If the supplier fail to do so within a reasonable time, WBSEDCL reserves the right to effect replacement by any other agency and recover charges for replacement from the supplier.

12. Repeat Order: With due consent of the supplier the WBSEDCL may place repeat order within a period of six (6) months from the date of completion of delivery as per the order to cover approximately 50% of the ordered quantity on successful performance of the contract and on the need of the WBSEDCL, on the basis of existing rates, terms and conditions. The repeat order may also be placed within one year from the date of issuance of original order subject to successful completion of delivery as per the order to the extent of at least 75% of the quantity ordered.

**13. Delivery Clause:-**

The tendered items will be delivered by the supplier at Siliguri Sub Urban Divisional store, within the prescribed time period mentioned in NIT but after successful inspection & testing i.e. within 30 days.

**14. Extension of Time:**

An extension of time without imposition of liquidity damage, may be granted for delay in supply of tendered items provided there is no fault whatsoever on the part of the supplier. Such extension may only be granted on the basis of application to be submitted by the supplier who has to establish that the extension of time required by him is not due to his fault.

**15. Liquidated Damage:**

If the Supplier shall fail to complete the works within the time prescribed herein or extended time for completion, then the Supplier shall pay to the WBSEDCL a sum amounting to ½% (half percent) of the value of works as liquidated damages of such default for every week or part of a week which shall elapse between the time prescribed or extended time as the case may be and the date of completion of the works subject to a maximum of 2.5% of the total contract price.

The WBSEDCL may, without prejudice to any, other method of recovery deduct the amount of such damages from any money in their hand due or which may become due to the supplier. The payment for deduction of such damages shall not

relieve the supplier from his obligation to complete the works or from any other his obligations and liabilities under the contract.

**16. General Requirement:**

**Cost of Bidding:** The Contractor shall bear all cost associated with the preparation and submission of their bid and WBSEDCL in no case shall be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

**Correctness and sufficiency of rates quoted in the tender:** The contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for works and the rates and prices quoted by them in the schedule of the items. The rates and prices quoted shall cover all obligation of the tenderer under the contract and all materials and things necessary for the proper completion and maintenance of the works.

**17. Company's right to Terminate Contract:**

**West Bengal State Electricity Distribution Company Limited**  
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**Registered Office:**  
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**Sector – II, Bidhannagar**  
**Kolkata – 700 091**  
**CIN – U40109WB2007SGC113473**  
**2580319**



**Division Office : Siliguri Sub-Urban**  
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- a. If the supplier fails to supply the material within 20 days from the date of issue of Letter of Intent / Purchase Order, the WBSEDCL shall have the right to cancel the Letter of Intent / Purchase Order with forfeiture of earnest money (Converted into initial security) without giving any notice to the supplier.
- b. If the supplier neglects or fails to supply the material proportionate to the scheduled time of completion of the work or fails to complete the work within scheduled time for completion or within the extended time approved by the WBSEDCL, the WBSEDCL shall have right to terminate the Work Order / Letter of Intent after giving notice in writing to the supplier. If the supplier fails, after 7 (seven) days of such notice, to proceed with the work in the matter notified, the WBSEDCL shall terminate the contract. In that case the WBSEDCL shall engage other agency to supply the material. Extra cost, if incurred to get the unfinished work done through other agency, will be realized from him, from his pending bills and security money. In the contract terminated as above, the supplier shall have no claim for compensation against the WBSEDCL for any loss or deterioration of any materials that he may have collected or engaged or entered into an account of the work.

**19. Force Majeure:**

The contractor shall not be liable to pay any liquidated damage for delay / failure to perform the contract for reasons of force majeure such as act of God, act of the public enemy, acts of Governments, fire, flood, epidemics, quarantine restriction, strikes, freight embargos and provided that the contractor shall within 10 (ten) days from beginning of such delay notify the Company in writing of the cause of delay. The Company shall verify the fact and grant such extension as found to be justified without imposing liquidated damage.

The department shall not be responsible or liable to pay any compensation for any interruption in work at the site due to strike, lockout, riot, earthquake, flood, cyclone or civil commotion or any other force of accident due to any reason beyond control. The department shall not be held responsible to or liable to pay for any interruption in your work at the site arising out of resistance from the local public due to any resistance towards work.

**20. Sub-letting of Contract:**

The Contractor shall not, without the written consent of the Company, assign or sublet his contract or any part thereof, other than of raw materials, or for any part of the work provided that any such consent shall not relieve the contractor from any obligation, duty or responsibility of the contract. In the event of sub-letting of contract or any part thereof is permitted, the fact that such permission has been accorded shall not establish any contractual relationship between the approved Sub- vendor and WBSEDCL of any of his liabilities and obligations under the contract.

**21. Engineer's Decision:-**

Controlling Officer's decision is final in all respect including the granting of with-holding or certificates.

If in the opinion of Contractor, a decision made by Controlling Officer is not in accordance with the meaning and intent of the contract, the Contractor may file with the Controlling Officer within 7 (seven) days after receipt of the decision.

Failure to file an objection within the allotted time will be considered as acceptance of the Controlling Officer's decision and the decision shall become final and binding.

**21. Liability of Accidents and Damage:** The Contractor shall be responsible for the loss, damage or depreciation of the Company's materials while in their custody and until the same was taken over by the company.

**22. Language and Measurement:**

All documents pertaining to the contract including specifications, schedule notices, correspondences, operating and maintenance instruction, drawing or any other writings be written shall be in English language. The metric system measurement shall be used exclusively in the contract.

**23. Settlement of Disputes:**



**West Bengal State Electricity Distribution Company Limited**  
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**2580319**



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All disputes concerning question of act arising under the contract shall be decided by the Owner / Company on receipt of written appeal by the Supplier. Any dispute or differences arising out in connection with this contract shall to the extent possible be settled amicably and where settlement cannot be reached then such disputes shall be subjected to settlement under the jurisdiction of Calcutta High Court.

24. Controlling officer:  
The D.E. & Divisional Manager, Siliguri Sub Urban Division
25. Consignee Officer  
The Store in Charge, Siliguri Sub Urban Division
26. Paying Officer :  
Assistant Manager (F&A), Siliguri Sub Urban Division

**28. LAWS GOVERNING CONTRACT**

The contract shall be construed according to acts/laws in force in the country and shall be under the jurisdiction of Calcutta High Court.

**29. LANGUAGE AND MEASURES**

All documents pertain to the contract including specifications, schedule, notice, correspondences, operating and maintenance instructions, drawings or any other writings be written in English language. The metric system of measurement shall be used exclusively in this contract.

**30. CORRUPT OR FRAUDULENT PRACTISE**

WBSEDCL expects that bidders/contractors observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the owner defines for the purpose of this provision, the terms set forth below as follows:

**"Corrupt practice"** means the offering giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution, and

**"Fraudulent Practice "** means misrepresentation of facts in order to influence a procurement process of the execution of a contract to the detriment of the owner, and includes collusive practice among bidders (Prior to or after bid submission) designed to establish bid prices at artificial no-competitive levels and to deprive the owner of the benefits of free and open competition Will reject a proposal for award if the owner determines that the bidder recommended for award has engaged in corrupt or fraudulent practice in competing for the contract in question Will declare a Firm ineligible either indefinitely or for a stated period of time if owner any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing the contract.

**31. PENALTY FOR SUPPRESSION / DISTORTION OF FACTS:**

If any Bidder fails to produce the original hard copies of the documents (especially Completion Certificates and audited balance sheets), or any other documents on demand of the Tender Committee within a specified time frame or if any deviation is detected in the hard copies from the uploaded soft copies or if there is any suppression, the tender committee will take action as deem fit against such defaulting Bidder.

The Employer reserves the right to accept or reject any Bid and to cancel the Bidding processes and reject all Bids at any time the prior to the award of Contract without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the ground for Employer's action.

**32. HOLIDAY LISTING:**

The holiday listing policy of WBSEDCL shall be applicable to the participating bidders in the e- tendering in case of any deviation is found from normal contractual conduct.

**33. Miscellaneous:**

During the supply of the materials, if any, problem arises which is not covered by the specifications, the supplier shall seek necessary clarification and instruction from WBSEDCL. Such instruction shall be binding on the supplier and shall be observed in full.

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**2580319**



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The Supplier shall make his own arrangement for the labor, equipment, tools and tackles and construction materials, construction water, office / labor accommodation, water supply, sanitation.

The Supplier shall strictly follow the construction safety rules, regulations and instructions issued from time to time. In absence of any particular reference the Supplier shall refer to the Indian Standard and also the State Government rules and regulations.

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**Format for bid specification authorization**

(Authorization should be submitted on the Letter head of OEM)

To,  
The  
Divisional  
Manager  
Siliguri Sub-Urban  
Division

**Subject : Bid specification authorization.**

This is to certify that M/S\_\_\_\_\_Address of \_\_\_\_\_is  
authorized to quote the tender with NIT NO. \_\_\_\_\_on behalf of the  
\_\_\_\_\_(OEM).

They are authorized to carry out the order for the \_\_\_\_\_product, and we assure you to  
extend full support if an order is placed with them.

Thanking You.

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Annexure - 1

LETTER HEAD OF BIDDER (AS ENROLLED ONLINE ON e-Tendering PORTAL OF NIC)

To

The Tender Committee

Sub: Letter of Bid for

.....  
.....  
.....

Ref: 1. NIT No: Dated:

2. Tender Id No: .....

Dear Sir,

We offer to execute the work as per our offered bill of quantity in accordance with the conditions of the NIT document as available in the website. The details of the of the EMD being submitted by us has been furnished on-line.

This Bid and your subsequent Letter of Acceptance / Work Order shall constitute a binding contract between us. We hereby confirm our acceptance of all the terms and conditions of the NIT document unconditionally. Signature of the Tenderer

Dated.....

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Annexure - 2

**MANDATE FORM BY VENDOR FOR RTGS/ NEFT PAYMENTS**  
**(TO BE FILL IN BLOCK LETTER)**

1. NAME OF THE VENDOR: .....
2. ERP VENDOR NO: .....
3. Vendor Type: Company / Partnership / Proprietorship / Self Help Grp / HUF/Others (To be specified)
4. ADDRESS:.....  
.....  
.....
5. TELEPHONE NO. & FAX  
NO:.....
6. MOBILE PHONE: .....
7. Email:.....
8. P.A.N. NO. (MANDATORY):

--	--	--	--	--	--	--	--	--	--	--

9. GST REGISTRATION NO: .....

10. PARTICULARS OF BANK ACCOUNT (One cancelled Cheque is to be enclosed)

- i) Name of Account Holder: .....
- ii) BANK NAME: .....
- iii) BRANCH NAME & ADDRESS:.....
- iv) BANK BRANCH TELEPHONE NO:.....
- v) Account type (whether SB or Current):.....
- vi. ACCOUNT NO:

--	--	--	--	--	--	--	--	--	--	--	--	--	--

Vii . BANK MICR

--	--	--	--	--	--	--	--	--	--	--

VIII. IFSC CODE

--	--	--	--	--	--	--	--	--	--	--

11. DECLARATION OF THE PARTY:

I hereby declare that the particulars given above are correct and complete. If the transaction is delayed or Not Affected at all for reasons of incomplete and incorrect information, WBSEDCL will not be held responsible.

Date:

Signature of the Vendor

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Annexure - 3

PROFORMA FOR UNDERTAKING TO BE SUBMITTED BY THE BIDDER

(For genuineness of the information furnished on-line and authenticity of the documents produced before Tender Committee for verification in support of his eligibility)

I, ..... Partner /Legal Attorney /Accredited Representative of M/s.

..... solemnly declare that:

1. We are submitting Tender for the job/supply of.....
2. None of the Partners of our firm in relative of employees of.....
3. All information furnished by us In respect of fulfilment of eligibility criteria and qualification information of this Tender is complete, correct and true.
4. All documents/Credentials submitted along with this Tender are genuine, authentic, true and valid.
5. If any information and document submitted is found to be false/incorrect any time, department may cancel my Tender and action as deemed fit may be taken against us, including termination of the contract, forfeiture of all dues including Earnest Money and banning/delisting of our firm and all partners of the firm etc.

Signature of the Tenderer

Dated.....



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Annexure – 4

Memo No:

Dated:

FORMAT FOR FURNISHING GST RATE AND HSN/SAC CODE FOR THE BIDDING ITEM.

SL NO	MATERIALS DESCRIPTION	HSN/SAC
01.	Alu. Crimping socket (CAB)- 185Sq.mm	
02.	H/W SINGLE Tension for WOLF COND	

Signature of the Tenderer

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Annexure – 5

**Specification and Drawings:-**

**Alu. Crimping Socket:-**

ALUMINIUM TUBE TERMINALS LONG BARRELS									
USED FOR - DOUBLE CRIMPING OF LT CABLE									
MM <sup>2</sup>	EBOLT MM	A	C	D	F	B	K	G-H	J
2.5	M3	2.0	5.5	7.0	3.5	10.5	3	8	21.5
	M3.5	2.6			2.9				
4.0	M4	2.9	5.5	7.0	2.6	10.5	3	8	21.5
	M5			12.0	1.2		4	13	27.5
6.0	M5	3.5	5.5	8.0	2.0	10.5	4	13	27.5
	M6			12.0	1.1				
10	M6	4.4	7.4	10.0	2.8	13.5	4	17	34.5
	M10			15.0	1.8				
16	M6	5.4	8.3	11.0	2.9	19.5	4	20	43.5
	M8			11.0	2.9				
	M10			18.0	1.8				
25	M8	7.0	10.0	14.0	3.0	24	7	21	52
	M0		-	20.0	1.7				
	M12			20.0	1.7				
35	M8	8.0	10.8	15.0	2.8	27	7	22	56
	M10			20.0	2.1				
50	M8	9.3	13.0	18.0	3.7	33	8	24	65
	M10			23.0	2.8				
	M12			23.0	2.8				

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MM <sup>2</sup>	EBOLT MM	A	C	D	F	B	K	G-H	J
70	M8	11.6	16.0	22.0	4.4	39	8	26	73
	M10								
	M12								
95	M10	12.9	17.1	25.0	4.2	42	8	28	78
	M12								
	M16								
120	M10	14.8	19.6	28.0	4.8	48	11	30	89
	M12								
	M16								
150	M10	16.1	21.2	31.0	5.1	51	11	34	96
	M12								
	M16								
	M10	18.0	23.7	34.0	5.7	54	12	36	102
185	M12								
	M16								
225	M12	20.6	27.0	39.0	6.4	60	14	40	114
240	M12	22.0	28.0	40.0	6.0	66	14	44	124
	M16								
300	M16	24.0	31.0	45.7	7.0	70.5	14	54	138.5
	M20								
400	M20	28.0	36.0	51.0	8.0	84	13	61	158
500	M20	30.0	41.0	58.0	11.0	90	15	65	170
630	M20	35.0	46.0	66.0	11.0	103.5	16	69	188.5
800		39.0	51.0	73.0	12.0	115.5	25	78	218.5
1000		43.5	57.0	81.0	13.5	150	30	90	270

MATERIAL - ELECTROLYTIC ALUMINIUM  
ALLOY TEMPER - 19501F  
FINISH - CLEAN BRIGHT  
ELECTRICAL CONDUCTIVITY - 61% AS PER IACS CHEMICAL  
ANALYSIS - 99.5% FOR ALUMINIUM

  
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H/W Single Tension for Wolf Cond.:-

**TECHNICAL SPECIFICATION FOR TENSION HARDWARE FITTINGS COMPRISING OF CROSS-ARM STRAP, BALL CLEVIS & SOCKET TONGUE AND DEAD END CLAMP (COMPRESSION TYPE) TO BE USED IN 33 KV LINE WITH 70 KN B&S TYPE DISC INSULATOR .**

<b>1.0</b>	<b>SCOPE :</b>	
i)	The Specification covers the design, manufacture, testing (preferably at manufacturer's works before supply) and delivery of the combined Unit of Cross Arm Strap, Ball Clevis & Socket Clevis and compression type dead end Clamp including loading, unloading anywhere in West Bengal.	
ii)	The combined units offered shall be complete with all components which are necessary (excepting disc insulator) or usual for their effective performance and easy maintenance and inter changeability at site. Such parts shall be deemed to be within the scope of contract.	
iii)	<b>The set is to be used in 33 KV line with 70 KN B&amp;S type Disc Insulator for ACSR Wolf Conductor. The set is also be used in 33 KV Sub-Station with 70 KN Disc Insulator for ACSR Panthe Conductor.</b>	
<b>2.0</b>	<b>GENERAL REQUIREMENTS</b>	
i)	Ball diameter should be 16 mm.	
ii)	The Fittings shall be free from defects, corrosion protected and shall meet the requirements of Galvanizing Test etc as per IS.	
iii)	All forging and casting shall be of good finish and free from flaws and other defects. The edges of the fittings such as the <b>Eye, Clevis and holes</b> shall be rounded.	
iv)	All parts of different fittings which provide the interconnection shall be made such that sufficient clearance is provided at the connection point to ensure free movement. All <b>Eye and clevis connection</b> shall be free in this manner but care shall be taken that too much clearance between Eye and the tongues of the Clevis is avoided.	
v)	<b>Spring washer should be electro galvanized- Coating thickness as per IS: 1573-1986.</b> <b>U bolt, Hexagonal Bolt, Nut, Plain Washer and all</b> other ferrous parts shall be Hot dip Galvanized. In case of Hot Dip Galvanization, minimum Value of Mass of zinc coating should be 610 g/m2. The split pin to be used shall be of <b>Humpback type</b> & shall be <b>made of Stainless Steel conforming to IS: 5522-1992</b> with a minimum hardness of 160 HV. Locking devices (R Type) for ball and socket lockers shall be of <b>Stainless Steel conforming to IS: 6603-1972</b> with minimum hardness of 160 HV. The dimension shall conform to IS 2486 (Part 3) : 1974.	
<b>3.0</b>	<b>STANDARD</b>	
The materials covered under this specification shall comply with the requirements of the latest version of the following standards as amended upto date, except where specified otherwise.		
i)	IS 2486 ( Part 1 ) : 1993	Specification for metal fittings of insulators for overhead power lines with nominal voltage greater than 1000 V
ii)	IS 2486 ( Part 2 ) : 1989 IS : 2486 ( Part III ) - 1974	Specification for Insulator fittings for overhead power lines with nominal voltage greater than 1000 V
iii)	IS 4759 : 1996	Specification for hot-dip zinc coatings on structural steel and other allied products
iv)	IS : 6745 - 1972	Method for determination of mass of zinc coating on zinc coated iron and steel articles
v)	IS:1573 - 1986	Specification for electroplated coatings of zinc on iron and steel
vi)	IS: 2629-1985	Recommended Practice for hot dip galvanizing of iron & Steel
vii)	IS : 2633 - 1986	Method for testing uniformity of coating on zinc coated articles



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<b>4.0</b>	<b>MATERIALS AND OTHER REQUIREMENTS :</b>
<b>4.1</b>	<p><b>CROSS-ARM STRAPS (fig-1) (For Tender Purpose)</b></p> <p>Cross-arm straps shall be manufactured from MS Flat hot dip galvanized and to connect the cross-arm/bracket of the structure at one end and the Ball Clevis at the other end.</p> <p>It should be complete with hexagonal bolts, nuts, spring washers and cotter pin at the threaded end to lock the unit.</p> <p>Minimum Threaded portion of the bolt shall be 30mm.</p> <p><b>Minimum Ultimate strength (Tensile strength) shall be 70 KN.</b></p> <p>Dimensions shall be in accordance with IS: 2486 (Part-2) unless otherwise specified.</p>
<b>4.2</b>	<p><b>BALL CLEVIS (fig-2) &amp; SOCKET TONGUE (fig-3) (For Tender Purpose):</b></p> <p>All forgings shall be of good finish and free from any flaws and any other defects which may cause decrement of efficiency while in operation. Connection/attachment with other component of the unit shall provide reasonable clearance/ensure free movement at the connecting/attaching point. <b>Care should be taken to avoid too much clearance while used with insulators:</b></p> <p>Materials for Ball Clevis &amp; Socket tongue should be as stated below:-</p> <p>Ball Clevis - Forged Steel and hot dipped galvanised.</p> <p>Socket tongue - Forged Steel and hot dipped galvanised.</p> <p><b>Minimum Ultimate strength (Tensile strength) shall be 70 KN.</b></p> <p>All dimensions of Ball Clevis &amp; Socket tongue shall be in accordance with IS:2486 (Part-2) unless otherwise specified.</p>
<b>4.3</b>	<p><b>DEAD END CLAMP (COMPRESSION TYPE) &amp; JUMPER CONE (fig. 4 for ACSR Wolf conductor &amp; Fig 5 for ACSR Panther Conductor) (For Tender Purpose) :</b></p> <p>The dead end clamps shall be suitable for supporting ACSR Conductor. The Clamp comprises of outer sleeve and inner sleeve. Outer Sleeve &amp; Jumper Cone shall be made of EC grade Aluminium. The inner Sleeve is Steel Sleeve &amp; shall be made by Forged Steel. The steel sleeve of dead end clamp shall be single piece obtained by process of drop forging and shall not be made by joining, welding, shrink fitting or any other process for more than one piece of material. The steel sleeve shall be hot dip galvanized.</p> <p>The part for main conductor to be tension joint at rated tension and for jumper part it is to be non-tension type.</p> <p>The dead end clamp for ACSR Wolf conductor shall be compression type with provision for compressing jumper terminal at one end. A tensile load of about 50% of the breaking load of the conductor shall be applied and the conductor shall be marked in such a way that movement relative to the clamp can be detected. Without subsequent adjustment of the clamp, the load shall be steadily increased to 95% then reduced to 90% of the breaking load of the conductor and maintained for one minute. There shall be no movement of the conductor relative to the clamp during this one minute period and no failure of the Clamp. The conductivity of the clamp shall not be less than that of conductor. Non-Compression zone shall be clearly marked on each dead end clamp.</p> <p>The dead end clamp for ACSR Panther conductor shall be compression type with provision for compressing jumper terminal at one end. A tensile load of about 50% of 70 KN shall be applied and the conductor shall be marked in such a way that movement relative to the clamp can be detected. Without subsequent adjustment of the clamp, the load shall be steadily increased to 95% then reduced to 90% of 70 KN and maintained for one minute. There shall be no movement of the conductor relative to the clamp during this one minute period and no failure of the Clamp. The conductivity of the clamp shall not be less than that of conductor. Non-Compression zone shall be clearly marked on each dead end clamp.</p>

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<b>5.0</b>	<p><b>MARKING:</b></p> <p>Hardware Fittings suitable for ACSR Wolf Conductor &amp; ACSR Panther Conductor should be supplied in a string. Tension Clamp shall be legibly &amp; indelibly marked with Name or Trade mark of manufacturer, year of manufacture, 70 KN and suitable identification marking of the property 'WBSEDCL'.</p> <p>The marking should be engraved/embossed.</p>
<b>6.0</b>	<p><b>TESTS AND TEST CERTIFICATES :</b></p> <p><b>Type Test</b></p> <p>Along with the bid, the bidder has to submit Type Test Reports on same fittings carried out within last five years from the date of opening of techno-commercial bid of the tender from any NABL accredited Laboratory having NABL logo. Otherwise the tender may be rejected.</p> <p>The following shall constitute the Type Test for Dead End Clamps (Compression type)</p> <ol style="list-style-type: none"> <li>1. Visual Examination</li> <li>2. Verification of dimensions</li> <li>3. Mechanical Test (Slip strength Test)</li> <li>4. Ultimate Tensile Strength Test</li> <li>5. Electrical Resistance Test - As per IS: 2486 (Part-I)</li> <li>6. Heating Cycle Test - As per IS: 2486 (Part-I)</li> <li>7. Galvanizing/Electroplating Test (for ferrous parts)</li> </ol> <p>The following shall constitute the Type Test for Jumper Cone</p> <ol style="list-style-type: none"> <li>1. Visual Examination</li> <li>2. Verification of dimensions</li> <li>3. Electrical Resistance Test - As per IS: 2486 (Part-I)</li> <li>4. Heating Cycle Test - As per IS: 2486 (Part-I)</li> <li>5. Galvanizing/Electroplating Test (for ferrous parts)</li> </ol> <p>The following shall constitute Type Tests on tension hardware fittings except Clamp:</p> <ol style="list-style-type: none"> <li>1. Visual Examination</li> <li>2. Verification of dimensions</li> <li>3. Mechanical Test</li> <li>4. Galvanizing Test</li> <li>5. Chemical Composition Test</li> </ol> <p><b>ACCEPTANCE TEST</b></p> <p>The following shall constitute acceptance test for Dead End Clamps (Compression type):</p> <ol style="list-style-type: none"> <li>1. Visual Examination</li> <li>2. Verification of dimensions</li> <li>3. Mechanical Test (Slip Strength Test)</li> <li>4. Ultimate Tensile Strength Test</li> <li>5. Galvanizing Test (for ferrous parts)</li> <li>6. Chemical Composition Test</li> <li>7. Electrical Resistance Test</li> </ol> <p>Acceptance Test for tension hardware fittings except Clamp</p> <ol style="list-style-type: none"> <li>1. Visual Examination</li> <li>2. Verification of dimensions</li> <li>3. Ultimate Tensile Strength Test</li> <li>4. Galvanizing Test</li> <li>5. Chemical Composition Test</li> </ol>
<b>8.0</b>	<p><b>TOLERANCE :</b></p> <p>Tolerance shall be as per IS: 2486 (Part-I).</p>



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<b>9.0</b>	<b><u>GUARANTEE:</u></b>  In the event of any defect in the equipment/materials arising out of faulty design, materials, workmanship within a period of 12(twelve) months of commissioning or 18 (eighteen) months from the date of last dispatch of any integral part of the equipment/materials which ever is earlier the supplier shall guarantee to replace or repair the same to the satisfaction of the purchaser.  If the supplier fail to do so within a reasonable time, WBSEDCL reserves the right to effect repair or replacement by any other agency and recover charges for repair or replacement from the supplier.
<b>10</b>	<b><u>SUBMISSION OF DRAWING:</u></b>  Along with tender document, the tenderer must submit drawing in line with tender specification which will be used for bid evaluation purpose.  The drawing in line with tender specification shall also to be submitted within ten days from the next date of issuance of Purchase Order for approval. Any Delay in submission of drawing beyond the above stipulated period will be their own cost.

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**GUARANTEED TECHNICAL PARTICULARS**

**FOR TENSION HARDWARE FITTINGS COMPRISING OF G.I. CROSS-ARM STRAP, BALL CLEVIS & SOCKET CLEVIS AND DEAD END CLAMP (COMPRESSION TYPE) TO BE USED IN 33 KV LINE WITH 70 KN B&S TYPE DISC INSULATOR FOR WOLF CONDUCTOR**

<b>1.</b>	<b>Name &amp; Address of the Firm</b>	
<b>2.</b>	<b>Type of Insulator Fittings</b>	B&S type
<b>3.</b>	<b>Diameter of Ball</b>	16 mm
<b>4.</b>	<b>Ultimate Tensile Strength</b>	
a)	Dead end Clamp (Compression type)	70 KN
b)	Complete Fittings	70 KN
<b>5.</b>	<b>Material used</b>	
a)	Cross arm Strap	Mild Steel, hot dip galvanized
b)	Ball Clevis	Forged Steel and hot dipped galvanized
c)	Socket Clevis	Forged Steel and hot dipped galvanized
d)	Dead end Clamp (Compression type)	i) Outer Sleeve- EC grade Aluminium ii) Inner Sleeve- Forged Steel, hot dip galvanized iii) Jumper Cone- EC grade Aluminium
e)	Locking devices for ball and socket lockers	Stainless Steel conforming to IS: 6603-1972 with minimum hardness of 160 HV.
f)	Split pins	Stainless Steel conforming to IS: 5522-1992 with minimum hardness of 160 HV.
g)	U-Bolts & Nut	MS, Hot Dip Galvanized
h)	Hexagonal Bolt & Nut	MS, Hot Dip Galvanized
i)	Spring Washer	Spring Steel, Electro Galvanized
j)	Plain Washer	MS Hot Dip Galvanized
<b>6.</b>	<b>Zinc conforming to grade</b>	As per IS 209: 1992
<b>7.</b>	<b>Weight per set</b>	
a)	Gross weight of complete fittings	
b)	Weight of Dead end Clamp ( compression type) & Jumper Cone	
c)	Weight of Cross Arm Strap	
d)	Weight of Ball Clevis	
e)	Weight of Socket Clevis	
f)	Weight of Nut, Bolts, Rivet, U-Bolt & accessories	
g)	Weight of non ferrous parts	
h)	Minimum Guaranteed weight of Fittings	
i)	Whether galvanizing confirm to IS : 2633 - 1986	
<b>8.</b>	<b>Packing details</b>	
a)	Net Weight	
b)	Gross Weight	
c)	Contents of each Pack	
d)	Type of Packing	
<b>9.</b>	<b>Tolerance in dimension, if any</b>	IS:2486 Part I

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### GUARANTEED TECHNICAL PARTICULARS

**FOR TENSION HARDWARE FITTINGS COMPRISING OF G.I. CROSS-ARM STRAP, BALL CLEVIS & SOCKET CLEVIS AND DEAD END CLAMP (COMPRESSION TYPE) TO BE USED IN 33 KV LINE WITH 70 KN B&S TYPE DISC INSULATOR FOR PANTHER CONDUCTOR**

<b>1.</b>	<b>Name &amp; Address of the Firm</b>	
<b>2.</b>	<b>Type of Insulator Fittings</b>	B&S type
<b>3.</b>	<b>Diameter of Ball</b>	16 mm
<b>4.</b>	<b>Ultimate Tensile Strength</b>	
a)	Dead end Clamp (Compression type)	70 KN
b)	Complete Fittings	70 KN
<b>5.</b>	<b>Material used</b>	
a)	Cross arm Strap	Mild Steel, hot dip galvanized
b)	Ball Clevis	Forged Steel and hot dipped galvanized
c)	Socket Clevis	Forged Steel and hot dipped galvanized
d)	Dead end Clamp (Compression type)	i) Outer Sleeve- EC grade Aluminium
i)	Outer Sleeve:	ii) Inner Sleeve- Forged Steel, hot
ii)	Inner Sleeve	dip galvanized
iii)	Jumper Cone	iii) Jumper- EC grade Aluminium
e)	Locking devices for ball and socket lockers	Stainless Steel conforming to IS: 6603-1972 with minimum hardness of 160 HV.
f)	Split pins	Stainless Steel conforming to IS: 5522-1992 with minimum hardness of 160 HV.
g)	U-Bolts & Nut	MS, Hot Dip Galvanized
h)	Hexagonal Bolt & Nut	MS, Hot Dip Galvanized
i)	Spring Washer	Spring Steel, Electro Galvanized
j)	Plain Washer	MS Hot Dip Galvanized
<b>6.</b>	<b>Zinc conforming to grade</b>	As per IS 209: 1992
<b>7.</b>	<b>Weight per set</b>	
a)	Gross weight of complete fittings	
b)	Weight of Dead end Clamp ( compression type) & Jumper Cone	
c)	Weight of Cross Arm Strap	
d)	Weight of Ball Clevis	
e)	Weight of Socket Clevis	
f)	Weight of Nut, Bolts, Rivet, U-Bolt & accessories	
g)	Weight of non ferrous parts	
h)	Minimum Guaranteed weight of Fittings	
i)	Whether galvanizing confirm to IS : 2633 - 1986	
<b>8.</b>	<b>Packing details</b>	
a)	Net Weight	
b)	Gross Weight	
c)	Contents of each Pack	
d)	Type of Packing	
<b>9.</b>	<b>Tolerance in dimension, if any</b>	IS:2486 Part I

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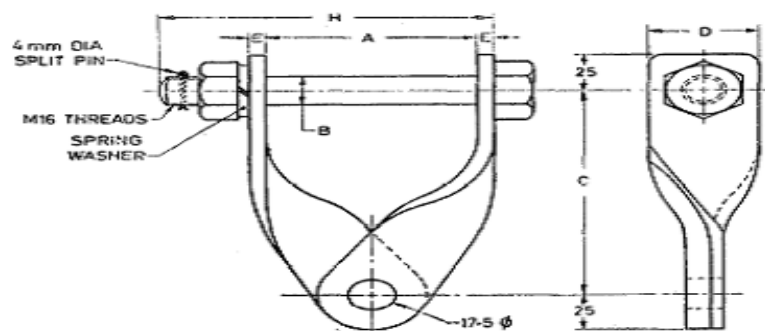
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## DRAWINGS FOR TENDER PURPOSE

Fig-1

CROSS ARM STRAP :



A	B(Dia)	C	H
100	16	140	145

Sl. No.	Description	Material
1	Twisted Strap	Mild Steel, Hot Dip Galvanized
2	Bolt & Nut, M-16	MS, Hot Dip Galvanized
3	16 mm Spring Washer	Spring Steel, Electro Galvanized
4	Split Pin	Stainless Steel conforming to IS: 5522-1992 with minimum hardness of 160 HV.

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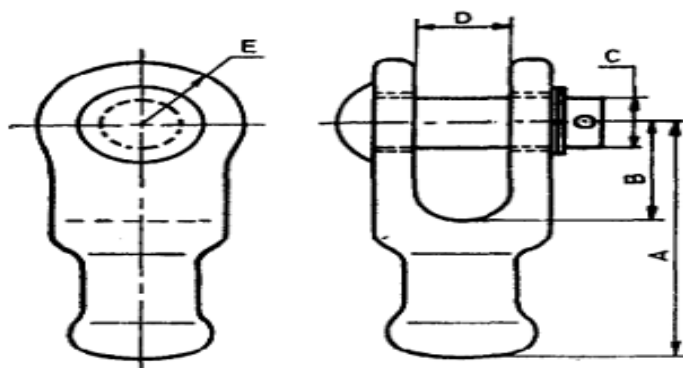
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**Fig-2**

**BALL CLEVIS**



A	B	C	PIN BALL DESIGNATION
76	32	16	16 mm

Sl. No.	Description	Material
1	Ball Clevis	Forged Steel, Hot Dip Galvanized
2	Bolt & Nut, M-16	MS, Hot Dip Galvanized
3	Plain Washer	MS, Hot Dip Galvanized
4	Split Pin	Stainless Steel conforming to IS: 5522-1992 with minimum hardness of 160 HV.

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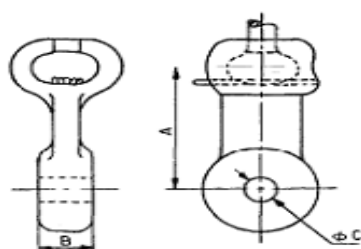
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Fig-3

SOCKET TONGUE



Sl. No.	Description	Material
1	Socket Tongue	Forged Steel, Hot Dip Galvanized
2	R-Clip	<b>Stainless Steel conforming to IS: 6603-1972</b> with minimum hardness of 160 HV.
3	Bolt & Nut, M-16	MS, <b>Hot Dip Galvanized</b>
4	Plain Washer (2.5 mm thick)	MS, <b>Hot Dip Galvanized</b>
5	Split Pin	<b>Stainless Steel conforming to IS: 5522-1992</b> with minimum hardness of 160 HV.



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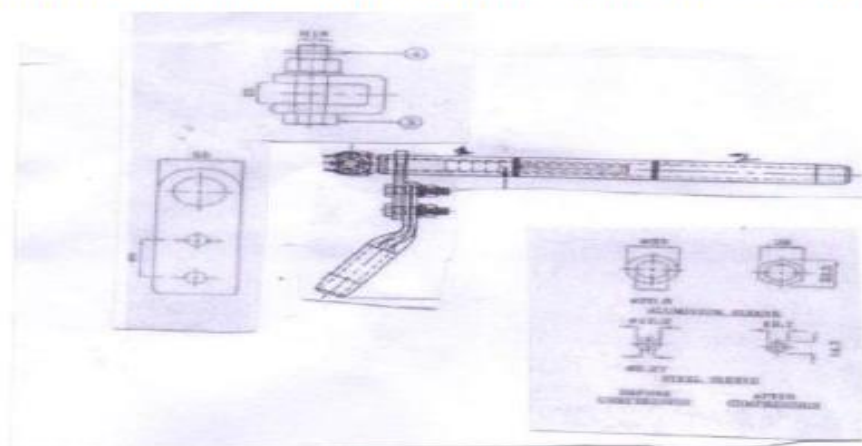
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Fig-4

**DEAD END CLAMP (COMPRESSION TYPE) WITH JUMPER CONE FOR ACSR WOLF CONDUCTOR**



Sl. No.	Description	Material
1	Inner Sleeve	Forged Steel, Hot Dip Galvanized
2	Outer Sleeve & Jumper Cone	EC grade Aluminium
3	Bolt & Nut, M-12	MS, Electro Galvanized
4	Split Pin	Phosphor Bronze conforming to IS 7814:1975 with minimum hardness of 160 HV.

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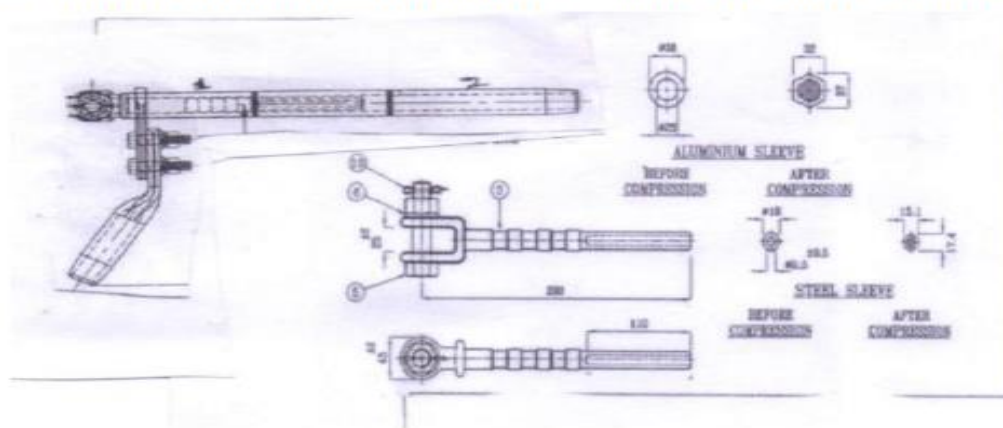
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Fig-5

**DEAD END CLAMP (COMPRESSION TYPE) WITH JUMPER CONE FOR ACSR PANTHER CONDUCTOR**



Sl. No.	Description	Material
1	Outer Sleeve	EC grade Aluminium
2	Jumper Cone	EC grade Aluminium
3	Inner Sleeve	Forged Steel, Hot Dip Galvanized
4	Jumper Plate	EC grade Aluminium
5	Bolt & Nut, M-16	MS, Electro Galvanized
6	Plain Washer	MS, Electro Galvanized
7	Bolt & Nut, M-12	MS, Electro Galvanized
8	Plain Washer	MS, Electro Galvanized
9	Spring Washer	Spring Steel, Electro Galvanized
10	Split Pin	Phosphor Bronze conforming to IS 7814:1975 with minimum hardness of 160 HV.