

CEYLON ELECTRICITY BOARD

(Established by Act of Parliament No. 17 of 1969)

BIDDING DOCUMENT FOR THE SUPPLY AND DELIVERY OF LV ABC ACCESSORIES

BID NO: DD3/P&D/ICB/2021/017/D

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CEYLON ELECTRICITY BOARD
Bid Data Sheet

BIDS ARE INVITED FOR:

The Supply & Delivery of items stated in the Schedule of Prices (Appendix VI-A, VI-B), manufactured in accordance with the CEB Standards/Specifications 018-2:2018 and Special conditions of the Bidding Document. In case local manufactures qualify with the CEB specification in all respects except for Manufacturing Experience, they may be awarded with trial orders not exceeding 20% of the full bid quantity.

BID NUMBER AND NAME: DD3/P&D/ICB/2021/017/D

Bid for The Supply and Delivery of:

- Suspension Small Angle Assembly for Low Voltage ABC (for 70 sqmm Messenger wire) – 1,800 Nos.
- Large Angle Assembly for Low Voltage ABC (for 70 sqmm Messenger wire) – 600 Nos.
- Dead End Assembly for Low Voltage ABC (for 70 sqmm Messenger wire) – 750 Nos.
- Pre Insulated Bimetalic Lugs for Low Voltage ABC (For 16 sqmm AAAC XLPE Insulated Conductor) – 3,000 Nos.
- Pre Insulated Bimetalic Lugs for Low Voltage ABC (For 70 sqmm AAAC XLPE Insulated Conductor) – 100 Nos.

- Pre Insulated Bimetalic Lugs for Low Voltage ABC (For 95 sqmm AAAC XLPE Insulated Conductor) – 600 Nos.
- Insulation Cap (Terminal Cap) for Low Voltage ABC 95 sqmm – 500 Nos.

BID SECURITY:

Value of the Bid Security is **Sri Lankan Rupees Eighty Thousand Rupees Only (SLRs 80,000/-)** The Bid Security shall be valid till or beyond **2022-05-04** (120 days).

TIME & DATE OF THE CLOSING OF BIDDING:

At 10.00 hrs on **2022-01-05** (Wednesday)

APPLICABLE PROCUREMENT COMMITTEE:

Divisional Procurement Committee - DD 3 (DPC)

BIDS SHALL BE ADDRESSED TO:

The Chairman, Divisional Procurement Committee – DD 3, Ceylon Electricity Board, DD 3 Head office, 3rd Floor, No. 644, Sri Jayawardenapura Mawatha, Ethulkotte – Sri Lanka

PLACE OF ACCEPTANCE OF BIDS:

Office of the Deputy General Manager (Planning & Development – DD 3), Ceylon Electricity Board, DD 3 Head office, 3rd Floor, No. 644, Sri Jayawardenapura Mawatha, Ethulkotte – Sri Lanka on behalf of the Divisional Procurement Committee (DD 3).

PLACE OF OPENING OF BIDS:

Bids received will be opened immediately after the time of closing of bidding, Office of the Deputy General Manager (Planning & Development – DD 3), Ceylon Electricity Board, DD 3 Head office, 3rd Floor, No. 644, Sri Jayawardenapura Mawatha, Ethulkotte – Sri Lanka.

SAMPLES:

Samples shall be submitted as per Clause 9.0 of the CEB Specification 018-2:2018, to the DGM – in –charge of the Procurement Unit stated below before **9.30 hrs on 2022-01-05** (Wednesday).

DEPUTY GENERAL MANAGER – IN - CHARGE OF THE PROCUREMENT UNIT:

Deputy General Manager (Planning & Development – DD 3), Ceylon Electricity Board, DD 3 Head office, 3rd Floor, No. 644, Sri Jayawardenapura Mawatha, Ethulkotte – Sri Lanka.

PLACE/S OF DELIVERY OF GOODS:

Item Description	WPSII Provincial Stores at Kolonnawa	Sabaragamuwa Provincial Stores at Opanayake	Uva Provincial Stores at Hali-ela
Suspension Small Angle Assembly for Low Voltage ABC (for 70 sqmm Messenger wire)	180 Nos.	1,225 Nos.	395 Nos.
Large Angle Assembly for Low Voltage ABC (for 70 sqmm Messenger wire)	60 Nos.	410 Nos.	130 Nos.
Dead End Assembly for Low Voltage ABC (for 70 sqmm Messenger wire)	75 Nos.	510 Nos.	165 Nos.
Pre Insulated Bimetalic Lugs for Low Voltage ABC (For 16 sqmm AAAC XLPE Insulated Conductor)	1,125 Nos.	1,425 Nos.	450 Nos.
Pre Insulated Bimetalic Lugs for Low Voltage ABC (For 70 sqmm AAAC XLPE Insulated Conductor)	10 Nos.	65 Nos.	25 Nos.
Pre Insulated Bimetalic Lugs for Low Voltage ABC (For 95 sqmm AAAC XLPE Insulated Conductor)	60 Nos.	410 Nos.	130 Nos.
Insulation Cap (Terminal Cap) for Low Voltage ABC 95 sqmm	50 Nos.	340 Nos.	110 Nos.

DELIVERY SCHEDULE:

- a) **For Goods to be offered from outside Sri Lanka:**
Total quantity of the items shall be shipped within **02 months** from the date of **Letter of Credit**.
- b) **For Goods to be offered from within Sri Lanka:**
Total quantity of the items shall be delivered within **03 months** from the date of **Letter of Award**.

VAT REGISTRATION NUMBER OF THE CEYLON ELECTRICITY BOARD:

409000010-7000

Information Copy - Not for Bidding

CEYLON ELECTRICITY BOARD Special Conditions of Contract (SCC)

The following Special Conditions of Contract (SCC) shall supplement the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

6. BID SECURITY:

At the end of the clause 6, add:

The Bank Guarantee submitted in foreign currencies will be accepted if it is in freely convertible foreign currency with a value equal or more to Sri Lankan rupee value when converted using exchange rate at the date of bid publishing.

9. DOCUMENTS AND DETAILS TO ACCOMPANY THE BID:

(i) At the end of the item (b) of Sub-clause 9.1, add:

The form of Bid shall be signed by a person duly authorized to sign on behalf of the Bidder. This authorization shall consist of written confirmation in the form of an organizational Document Board Resolution or its equivalent, or Power of attorney specifying the representative's authority to sign the Bid on behalf and to legally bind, the Bidder. This authorization shall be attached to the Bid.

(ii) At the end of the Sub-clause 9.1, add:

(q) Letter of Authorization vide Clause 5 (if applicable)

(iii) After Sub-clause 9.2, following new Sub-clause is added as Sub-clause 9.3:

9.3 Signing of Contractual Documents

Documents such as Form of Bid, Schedule of Prices, Letter of Authorization, Power of Attorney etc., shall be signed in indelible ink, preferably in blue ink. Name of the person signing in shall be clearly indicated and their official stamp has to be put in.

11. METHOD OF EVALUATION OF BIDS

11.2 EVALUATION CRITERIA

At the Sub-clause 11.2 (b) in the General Condition of Contract (GCC) of International Competitive Bidding (ICB), replace 6th bulleted item as follows.

- Duty, Levy, Tax and other charges calculated based on the applicable tariff published by the Sri Lanka Customs at the time of bid closing.

15. MODE OF PAYMENT:

At the Sub-clause "15.1 (a) Foreign Cost" in the General Condition of Contract (GCC) of International Competitive Bidding (ICB), delete 2nd and 3rd paragraphs and replace with following two paragraphs:

First instalment of **85% of the foreign portion of contract** price payable for each shipment will be released after 90 days of shipping (after 90 days of date of Bill of Lading) on the presentation of shipping documents.

The balance **15% of the foreign portion of contract** price payable for each shipment will be released on issue of a certificate by the General Manager, Ceylon Electricity Board or his authorized officer to the People's Bank, after the goods have been satisfactorily delivered or 90 days after the date of Bill of Lading whichever occurs later.

17. INSPECTION OF GOODS:

(i) Delete third sentence of Sub-clause (17(b) entirely and substitute :

In the event, pre-shipment inspection and witnessing of Factory Acceptance Test (FAT) by CEB Engineer at Supplier's work is waived off, goods will be accepted with a Test certificate issued by an accredited Independent Inspector certifying that the consignment has passed pre-shipment inspection and Factory Acceptance Test (FAT) satisfactorily in accordance with CEB Technical Specification.

(ii) Delete the word 'Supplier' in fourth sentence of Sub-clause 17(b) and substitute:
'Independent Inspector'.

(iii) Insert the following sentence at the end of the first Sub-paragraph of Sub-clause 17(b):
The total cost of inspection by the Independent inspector shall be borne by the Supplier.

35(b). NATION BUILDING TAX

Delete the entire clause 35(b) as NBT has been abolished with effect from 2019-12-01.

Information Copy - Not for Bidding

CEYLON ELECTRICITY BOARD
General Conditions of Contract (ICB)

1. SCOPE:

This document covers the general conditions applicable for procurement of goods, using Ceylon Electricity Board Funds through International Competitive Bidding (ICB).

2. LANGUAGE OF THE BID & ELIGIBLE BIDDERS:

The language of the Bid and all documents related to the bid shall be in English language. All Foreign & Local prospective suppliers/manufacturers are eligible to bid.

3. SUBMISSION OF BIDS:

The bids may be submitted for all or selected number of items specified in the Schedules of Prices (Appendix VI-A/VI-B) of this document. However bids submitted shall be for the full quantities of each item selected. **Bids submitted for partial quantities will be rejected.**

Bids shall be submitted in duplicate using the Schedules of Prices (Appendix VI-A/VI-B) attached to this document. The Original and Duplicate copy of the Bid shall be placed in two separate envelopes marked "Original" and "Duplicate". Both envelopes shall be enclosed in one securely sealed envelope. Name and number of the Bid shall be marked on the top left hand corner of the envelope as indicated in the Data Sheet (page 1) of this document. The Name and Address of the Bidder shall also be clearly marked on the envelope. The Bids shall be addressed as stated in the Data Sheet (Page 1)

Bids sealed, marked and addressed as aforesaid could be deposited in the Box provided for this purpose at the Place of Acceptance of Bids, stated in the Data Sheet (Page 1)

The Bidders shall bear all costs associated with the preparation and submission of the Bid and Ceylon Electricity Board will in no way be responsible or liable for any of those costs.

4. CLOSING OF ACCEPTANCE OF BIDS & OPENING OF BIDS:

The bids shall be accepted only till the Closing Time of the bidding specified in the Data Sheet (page 1 of the bidding document). **Any Bid received after the Bid closing time will be rejected and returned unopened to the Bidder or to the duly authorized Agent.**

Bids will be opened immediately after the closing time of bidding, at the Place of Opening of Bids stated in the Data Sheet (Page 1). Bidders or their duly authorized representative/s may be present at the time of opening of Bids.

The Chairman of Bid Opening Committee (BOC) will open the Bids and read out or cause to be read out the Prices offered, Name and Address of each Bidder, whether Samples (if applicable) and a Bid Security are submitted, the amount of Bid Security and the amount of discount declared if any, as indicated in the original Schedule of Prices (Appendix VI-A/VI-B). Detailed Prices, Technical Data, Specifications or other particulars of the Bid will not be divulged.

5. LOCAL AGENTS:

Foreign Principals, who have a Local Agent in respect of the Bid, shall furnish a Letter of Authorization along with the offer. If they do not have a Local Agent shall specifically declare that they are not represented by any Local Agent and no **Local Agent's Commission is payable** in respect of the Bid. Nomination of Agent/s after the submission of the Bid will not be valid. The Agent nominated at the time of Bidding shall not be changed within the period of contract.

Bids received from Local Agents representing Principals abroad **shall not be considered** for evaluation of the Bid unless they hold a duly executed Power of Attorney from the Principal empowering the Agent to make an offer, enter into a valid agreement on behalf of the Principal, to fulfill all the terms and conditions of the contract. Such a power of attorney shall be sign by an authorized signatory of the principal company in front of two witnesses and certified by a notary public. Under any circumstances a letter of authorization from the principals **will not be accepted** instead of a duly executed Power of Attorney when the Local Agent makes an offer.

6. BID SECURITY:

Each Bid shall be accompanied with a Bid Security to the value as indicated in the Data Sheet (Page 1), undertaking that the Bid will be held valid for the period specified in Clause (8) of this document and that the Bid shall not be withdrawn during that period. Bid Security shall be in the form of a Bank Draft or a Bank Guarantee issued by a commercial Bank operating in Sri Lanka, approved by the Central Bank of Sri Lanka or a Bank based outside Sri Lanka but "confirmed" by a commercial Bank operating in Sri Lanka and payable to the Ceylon Electricity Board. The Bid Security shall be substantially in accordance with the specimen at Appendix III. Failure to submit the Bid Security at the time or before the closing of the bidding and in accordance with above requirements **will result in the Bid being rejected**. Bid Securities from unsuccessful Bidders will be returned after the award is made to the successful Bidder. The Bid Securities of the successful Bidders will be returned only after the receipt of their Performance Securities as stipulated in the clause (12) of this document.

The Bid Security shall be unconditionally encashable on the receipt of first written demand of the Ceylon Electricity Board. No alternate offers will be accepted under one Bid Security.

7. SCHEDULE OF PRICES:

The bids shall be submitted using the Schedule of Prices furnished in Appendix VI-A/VI-B. The Schedule of Prices must be completed without any alterations to its format and no substitute shall be accepted. All blank spaces shall be filled with the information required. If any space is not applicable it shall be stated so.

Bids not in the prescribed form will be rejected.

The prices quoted shall be written clearly in indelible ink or type written. The total amount of each item of the offer shall be given in words (in English) as well as in figures. The amounts written in words will be taken as correct in case of a discrepancy in the amounts written in words and in figures. The Bidder shall authenticate any alterations in the bids.

Failure to do so will result in the offer being rejected.

Only the Prices indicated in the Schedule of Prices (VI-A/VI-B) shall be taken for evaluation.

7.1 Goods to be offered from outside Sri Lanka

- (a) Bidder shall fill in and sign the prescribed form of the **schedule of prices for goods to be offered from outside Sri Lanka** given in **Appendix (VI-A)** as per the instruction given below in (b) & (c).
- (b) Customs Duty, Value Added Tax (VAT), & Other applicable Levies such as Stamp Duty, Cess, Excise Duty, Surcharge on Customs Duty payable to the Sri Lanka Customs will be paid by the Ceylon Electricity Board at the prevailing rates at the time of clearing of goods and the same shall **not be included** in the column provided for "Total cost of clearing Handling & Delivery charges".
- (c) The Bidders are allowed to quote in Sri Lankan currency or/and **maximum of three (03) foreign currencies that are freely convertible in Sri Lanka**. The total cost of clearing, handling and delivery charges requested in the schedule of prices shall be quoted only in Sri Lankan Currency.

7.2 Goods to be offered from within Sri Lanka

- (a) Bidder shall fill and sign the prescribed form of the **schedule of prices for goods to be offered from within Sri Lanka** given in the appendix (VI-B) and as per the instructions given below in (b).
- (b) The prices quoted shall be either in local currency or in foreign currencies subject to a **maximum of three (03) Foreign Currencies that are freely convertible in Sri Lanka** and the Payments will be made in Sri Lankan Currency or/and foreign currency as per the clause 15.2. The total cost of delivery requested in the Schedule of Prices shall be quoted only in Sri Lankan currency.

8. MINIMUM VALIDITY PERIOD OF BIDS:

All bids shall be held good for acceptance for a minimum period of **Ninety days (90 days)** from the date of the closing the Bidding specified in the Data Sheet (page 1). Prices indicated in the Schedule of Prices shall be firm and shall not be subject to any variation within the validity period of the Bid specified above.

9. DOCUMENTS AND DETAILS TO ACCOMPANY THE BID:

9.1 Mandatory Documents

The following documents shall be submitted with the Bid. **Failure to furnish the following documents and details along with the offer will result in the offer being rejected.**

- (a) Duly signed "**Certificate of Purchase of Bidding Document**" (Appendix I) of this document
- (b) Duly signed "**Form of Bid**" (Appendix II) of this document.
- (c) **Bid Security** vide Clause (6) substantially in accordance with the given format (Appendix III).
- (d) Duly completed and signed "**Schedule of Prices**" (Appendix VI-A / Appendix VI-B) of the bidding document.
- (e) Duly completed and signed "**Schedule of Guaranteed Technical Particulars**" attached to the CEB Specification (Appendix V).
- (f) Certified copies of relevant Test Certificates, Mill certificates etc. including Type Tests **in English language** as per the CEB Specification.
- (g) Name and Address of Manufacturer and Certificate of Country of Origin.
- (h) If the Bidder is not the Manufacturer, the Bidder shall furnish documentary evidence of arrangements with the Manufacturer for the supply of goods offered.
- (i) Power of Attorney vide Clause 5 **(If applicable)**
- (j) Documents of proof of ability referred to in Clause (23).
- (k) A letter from the Commissioner of Inland Revenue Department vide Clause 35 certifying that his/her company has not been registered for VAT (if applicable)
- (l) Any other document stated in the CEB specification given in Appendix (V), as required to be submitted
- (m) Certification by the Bidder that the goods shall be delivered according to the Delivery Schedule stated in the Data Sheet.
- (n) Certification of registration under Public Contracts Act No 3 of 1987 (For the contract cost exceeding Rs.5.0 Million)
- (o) Duly completed and signed "**Form of Domestic Preference**" (Appendix VII) and all the documents refers to clause (11.1) of Domestic Preference. **(If applicable)**.
- (p) Packing details referred to in clause (12.2).

9.2 Other Documents

The following documents will also be submitted with the Bid.

- (a) Manufacturer's Guarantees, Illustrations, Catalogues and full particulars of the items offered in English language.
- (b) Details of variations and/or deviations from the Technical Specifications if any. If there are no variations / deviations a Certificate of compliance should be furnished with the offer.
- (c) Signed Pro forma Invoices indicating the full description of items offered and prices.
- (d) Freight Certificate obtained from a shipping line or their agents and a certificate indicating approximate weight, measurement of the consignment and the number of Containers etc. as described in Clause 18 **(Applicable only for goods to be offered from out side Sri Lanka)**
- (e) Lists of Directors vide Clause (33).
- (f) Documentary evidence to show any preferential Customs Duty applicable in Sri Lanka under the International Trade Agreements. Failure to furnish necessary documents will result in the applicable preferential Customs Duty not being considered for the evaluation.

10 POWER TO ACCEPT OR REJECT BIDS AND INTIMATION OF ACCEPTANCE:

CEB reserves the right to reject any or all bids, without adducing any reasons. CEB may accept any or all items of the bids and reserves the right to increase or decrease the quantity of goods, provided this does not exceed 25% of the total quantity, at prices indicated in the Schedule of Prices.

The decision of the Procurement Committee on the award of the contract to the **Lowest Evaluated Substantially Responsive Bid** will be final.

The letter of award will be sent by registered post to the successful Bidder as soon as possible, after the decision of the Procurement Committee is made. Intimation of the acceptance of bid may alternatively be made by Facsimile if circumstances so require, and **such intimation should be considered as sufficient notice for acceptance.**

CEB will reserve the right to reject a proposal for award if it determines that the bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the contract.

11 METHOD OF EVALUATION OF BIDS :

Ceylon Electricity Board may seek in writing clarifications or additional information on any bid. In the absence of any response from the Bidder within the specified period, Ceylon Electricity Board reserves the right to make its own decision.

All responses to requests for clarifications or additional information shall be in writing and no change in the bid price shall be sought, offered or permitted.

The offers received shall be evaluated item wise and for the purpose of the determination of lowest evaluated substantially responsive bid out of the bids received, the bid evaluation process would be carried out in two stages: i.e. **(i) Bid Examination, (ii) Bid Evaluation.**

(i) Bid Examination

- (a) All bids opened by the Bid Opening Committee will be examined to determine the eligibility of bidders responded and to determine the substantial responsiveness of the bids received commercially.
- (b) During the bid examination process in respect of commercial aspect, the bids will be checked to see whether they are complete, any computational errors have been made, required Bid Securities have been furnished, all the documents have been properly signed, the bids are generally in compliance with the requirements stipulated in the Bidding document and bids are generally in order. All deviations observed during the bid examination would be noted. Bids with deviations such as incomplete bids, non compliance with the specified delivery schedule, inclusion of price escalation when fixed priced bids are called, proposal of subcontracting when subcontracting is not allowed, absence of bid security, lack of proper signature on the form of bid, lack of critically important supporting documents, shall be rejected and shall not be taken for further evaluation as those bids are considered to be substantially non responsive.

(ii) Bid Evaluation

(a) General Principle

All the bids determined as substantially commercially responsive during the bid examination stage shall be evaluated for technical compliance and ranked in the lowest cost basis. The lowest ranking bid shall then be selected as the lowest evaluated substantially responsive bid.

(b) Correction of Errors

During detailed bid evaluation, if there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate will govern. However, if the total bid price increases due to this correction, the unit rate will be adjusted within the total bid price. If the bidder does not agree for such adjustment, his bid will be rejected without affecting his bid security.

(c) Currency Conversion

All prices quoted in foreign currencies by suppliers will be converted to Sri Lanka Rupees at the **Official Indicative Exchange Selling Rate obtained from the Central Bank of Sri Lanka, prevailing on the day of opening of Bids.**

11.1 DOMESTIC PREFERENCE

When locally manufactured Goods are offered in competition with Imported Goods, a 20% preference will be granted for Local Bids subject to following.

Application of the margin of preference stated above would apply only to locally manufactured goods, if the bidder establishes to the satisfaction of the Procurement Committee that, the input of local labour, local raw material and local components in any locally manufactured article accounting for at least 30% of the ex-factory price.

The Production facility in which those goods would be manufactured or assembled has been engaged in manufacturing/assembling such goods at least since the time of Bid Submission.

In addition to the above, the Bidder should satisfy one of the followings,

- (i) For an Sole Proprietorship, the bidder shall be a Sri Lankan
- (ii) For Partnership, 50% of the members of the Partnership shall be Sri Lankan.
- (iii) For an Individual Firm, shall be registered in Sri Lanka and should have more than 50% ownership by Sri Lankan.
- (iv) For a Joint venture, each firm shall be registered in Sri Lanka and should have more than 50% ownership by Sri Lankan.

It is the responsibility of the Bidder to provide acceptable evidence along with his bid in addition to completion of Appendix VII that shall be certified by independent auditors registered with the Institution of Chartered Accountants, Sri Lanka, to the satisfaction of the Procurement Committee. Bidders who fail to comply with this condition will not be considered for domestic preference.

To grant the domestic preference in the evaluation of Bidders, the following method shall be adopted.

In the first instance all the Bidders who become entitled for application of domestic preference shall be grouped into a separate group.

At the next step, all other bids will be loaded by, in the case of goods offered from outside Sri Lanka, an amount equal to 20% of CIF price and In the case of locally manufactured goods, which are not entitled for domestic preference, 20% of the ex-factory price for comparison purpose.

Successful bidder shall be decided according to the re-ranking order. However, the award price shall not be the evaluated bid price computed for determination of domestic preference.

11.2 EVALUATION CRITERIA

- (a) For comparison, responsive bids shall be classified in one of the following three groups:
- i. **Group A:** Bids offering goods manufactured abroad that will be directly imported.
 - ii. **Group B:** Bids offering goods manufactured in Sri Lanka which establishes to the satisfaction of the procurement committee that they qualify for domestic preference as per the clauses 11.1,
 - iii. **Group C:** All other bids offering goods manufactured in Sri Lanka or goods already imported.
- (b) The total evaluated cost of good in bids belonging to **group A** shall be
- Offered FOB Cost
 - Offered Freight Cost
 - 1.5% of the FOB Cost. (hypothetical value for cost of Insurance)
 - Offered Clearing Handling & Delivery Charges from Port of Colombo to CEB Stores (excluding VAT)
 - Local Agent's Commission (excluding VAT)
 - Duty, Levy, Tax and other charges payable at Sri Lanka Customs (excluding VAT) – this component will be calculated based on the current rates.
- (c) Total evaluated cost of goods in **group B & C** should be
- Total Ex-Works Cost (excluding VAT) or Total ex- Show Room price (excluding VAT)
 - Cost of delivery to the CEB Stores(excluding VAT)
- (d) In the first step, all evaluated bids in each group shall be compared to determine the lowest bid in each group. Such lowest evaluated bid shall be compared with each other and if, as result of this comparison, a bid from group B is the lowest, it shall be selected.
- (e) If as a result of comparison under paragraph (d) above, the lowest evaluated bid is a bid from group A or C, such lowest evaluated bid shall be further compared with the lowest evaluated bid from group B after adding to the evaluated price of goods offered in the bid from group A or C, for the purpose of this further comparison only, an amount equal to 20% of the CIF bid price in the case of goods offered outside Sri Lanka and 20% of ex-factory price in case of goods offered within Sri Lanka. The lowest evaluated bid determined from this last comparison shall be selected.

12. PERFORMANCE SECURITY, PROFORMA INVOICE & CONTRACT OF SUPPLY:

Within (14) days of receipt of the Letter of Award the Successful Bidder (Henceforth known as the Supplier) shall furnish a Performance Security, Pro forma Invoice and duly completed and signed Contract of Supply.

If any of the documents mentioned above is submitted after 14 days as stated above the date of completion of the order will be brought forward by the number of days delayed in submitting it and If they are not submitted within 30 days Ceylon Electricity Board has the right to forfeit the Bid Security of the Bidder and cancel the award.

12.1 Performance Security

The Supplier shall furnish a Performance Security approximately equal to **Ten Percent (10%)** of the total contract sum. The Performance Security shall be in the form of a Bank Draft or a Bank Guarantee, substantially in accordance with the specimen at **Appendix IV** and issued by a commercial Bank operating in Sri Lanka, approved by the Central Bank of Sri Lanka or a Bank based out side Sri Lanka but "confirmed" by a commercial Bank operating in Sri Lanka. The Performance Security shall be in favor of the General Manager, Ceylon Electricity Board, Colombo, and shall be valid for a period not less than **Sixty (60) days** from the date of the anticipated final delivery.

In the event of default on the part of the Supplier resulting from breach of conditions hereto, the General Manager, or any person purporting to act under the authority of General Manager may by a written notice terminate the right of the Supplier to proceed with any or all remaining deliveries and forfeit the Performance Security without recourse to legal action

The Performance Security will be released after 60 days of satisfactory completion of final delivery

12.2 Pro forma Invoice

The Supplier shall furnish a Pro forma invoice indicating separately the FOB / Ex Works/Ex Show Room Price, freight Cost, HS Code, catalogue or Model Number of each item, and packing details.

Packing details include the number of containers, sizes (40/20 feet) and CBM or weight.

12.3 Contract of Supply

After the Letter of Award is received the Supplier shall enter into an agreement with CEB to execute the order under the terms and conditions stated in the Letter of Award. Specimen Contract Form that shall be provided for the purpose is given in Appendix VIII.

13. CLEARING AND TRANSPORT OF GOODS:

13.1 For goods offered from outside Sri Lanka

- (a) The Supplier shall be responsible for the expeditious clearing of goods from the Port and handing over the same to the CEB Stores or to any other destination specified in the Bid Data Sheet. If the Supplier is not agreeable for clearing of goods from the Port, delivery and unloading at the delivery point indicated in the Bid Data Sheet the **order will be rejected**. In the event of the goods are required to be diverted to destinations other than the specified delivery point, the Supplier shall undertake such deliveries and payment will be made at prevailing transport rates.
- (b) The Supplier shall, within **Forty Eight (48) hours** of shipment, dispatch or send through a Courier Service / Facsimile duplicate sets of shipping documents to the DGM –in-Charge of the Procurement Unit. If the original shipping documents are not available at the time of receipt of goods at the port, goods shall be cleared on a Shipping Guarantee, at a written request made by the supplier guaranteeing that in the event the items supplied are found to be non-compliance with the CEB specification, he will take full responsibility of replacing the items with items which conform to the CEB specification. The cost of the Shipping Guarantee (SG) including applicable interest shall be borne by the Supplier.
- (c) The Ceylon Electricity Board will furnish a Cheque in favour of the Director General of Customs to cover Customs Duty, Value Added Tax (VAT), other applicable Taxes & Levies payable to Sri Lanka Customs such as Stamp Duty, Cess, Excise Duty, surcharge on Customs Duty within **Twenty Four (24) hours** of presentation of necessary documents to the DGM–in-Charge of the Procurement Unit. The Supplier, through his Agent or Representative shall be responsible for the payment of all other charges to the Sri Lanka Port Authority, Container deposits and charges to Shipping Agents in connection with the clearance of goods and also the cost of transport to the places of delivery indicated in the Bid Data Sheet or any other location and off loading by providing necessary labour.
- (d) The total of all Clearing Handling and Delivery charges other than Taxes, Duties and Levies paid by the CEB referred to in (c) above shall be shown in the Column provided for, in the Schedule of Prices (Appendix VI-A) and this amount will be paid to the Supplier on satisfactory completion of delivery to CEB Stores. The CEB will not accept any responsibility for any additional expenses the Supplier may incur by way of double handling Rent, Crane hire charges etc, at the Port.
- (e) If the supplier fails to clear the goods expeditiously after discharge of Goods at the Port, the CEB reserves the right to make its own arrangements for clearance of the cargo and recover all charges incurred from any one or all proceeds of Supplier's Performance Security, Clearing Charges, Local Agent's Commission or the balance **15% C&F/FOB price**, referred to at Clause 15.1 (a) of this document.
- (f) The Supplier or the Agent shall notify the Engineer or officer-in-charge of CEB Stores in writing at least 24 hours ahead of delivery of goods of his intention to do so to enable the CEB to make the necessary arrangements.
- (g) The supplier shall be responsible for attending to all customs requirement and hand over Customs Entries/ Declarations to the DGM -in-charge of the procurement unit (as stated in the Data Sheet).

13.2 For goods to be offered within Sri Lanka

- (a) The successful Bidders shall be responsible for the transport of Goods from the manufacturer's works or warehouse and handing over same to the CEB Stores or delivery point as specified in the Data Sheet (page1). If the Bidder is not agreeable for the delivery of goods to the CEB Stores, **the offer will be rejected**. In the event of the goods being diverted to any other destinations other than the place specified, the Bidder shall undertake such transport and payment will be made at prevailing transport rates.
- (b) The total delivery charges to CEB Stores shall be shown in column provided for, in the Schedule of Prices and this amount will be paid to the Supplier on satisfactory completion of delivery of Goods.
- (c) The Supplier or the Agent shall notify the Electrical Engineer or Officer-in-charge of CEB Stores in writing at least 24 hours ahead of delivery of goods of his intention to do so to enable the CEB to make the necessary arrangements.

14 DELIVERY OF GOODS:

The quantities awarded shall be delivered in accordance with the delivery schedule indicated in the Bid Data Sheet. Payments will be made only for the quantities delivered in accordance with the delivery schedule. **No Payments will be made for any quantities delivered in excess to the stipulated in the delivery schedule.**

15. MODE OF PAYMENT:

15.1 For Goods to be offered from outside Sri Lanka

(a) Foreign Cost

Payment will be made by means of an **Unconfirmed, Irrevocable Letter of Credit** opened in favor of the Supplier, through the correspondent of the **People's Bank of Sri Lanka**, operating in the Country of Supplier. Letter of Credit will provide for payment to be made as indicated below against shipping documents, which will include clean on-board freight prepaid Marine Bills of Lading, signed invoices, certificate of origin, certificate of inspection, warranty and a certificate of quality and quantity from the inspector as per Clause (17).

First Installment of **85% of the FOB/C&F** price of each shipment on presentation of the shipping documents, etc

The balance Installment of **15% of FOB/C&F** price will be paid at the end of the contract on issue of a certificate by the General Manager, Ceylon Electricity Board or his authorized officer to the correspondent of the People's Bank, Foreign Branch after the goods have been satisfactorily delivered.

If the beneficiary requires a confirmed Letter of Credit the confirmation charges have to be borne by the beneficiary.

All foreign Bank charges have to be borne by the beneficiary.

(b) Local Cost (Local Agent's Commission and Clearing Charges):

The Local Agent's Commission will be paid on **satisfactory completion of the contract** and duly furnishing the documents referred in clause 13.1 (g) of this document.

The Local Agent's Commission will be paid in Sri Lankan Currency based on the Foreign Exchange selling rate published by the Central Bank of Sri Lanka on the day of bid closing.

The amount payable as Clearing, Handling & Delivery Charges to Stores indicated in the Schedule of Prices (Appendix VI-A), and shall be paid on a Pro-rata basis for each shipment.

The Value Added Tax (VAT) payable on Local Agent's Commission and Clearing, Handling & Delivery Charges will be paid by the Ceylon Electricity Board at prevailing rates, if claimed by the Local Agent or Clearing Agent with the VAT Registration Number.

15.2 For goods to be offered from within Sri Lanka

- (a) Payment will be made after the satisfactory delivery of each instalment of goods as stipulated under "Delivery Schedule" in the Data Sheet. Payment will be made only after the total quantity for the instalment is delivered

If any foreign currency payments are envisaged under the bid, the Bidder shall be eligible to quote in the Foreign Currency. Suppliers shall be paid in Foreign Currency subject to the following conditions for the components for which, Foreign Currency is utilized, only if

- (a) The supplier is authorized by the Central Bank of Sri Lanka, to receive Foreign Currency payments and
- (b) The Supplier submits proof documents showing the Foreign Currency payments made with regard to this contract which shall be certified by Independent Auditors registered with the Institution of Chartered Accountants, Sri Lanka, for the satisfaction of the purchaser.

In the event the supplier is not eligible for foreign currency payment, the total ex-works price quoted in any currency or currencies will be converted to Sri Lankan rupees for the purpose of payment, based on the **Foreign Exchange selling rate**, obtained from Central Bank of Sri Lanka on the date of **closing the Bid**.

Payments to suppliers will be made within 30 days on receipt of signed Invoices, together with the Certificate from the Engineer-in-charge of the CEB Stores, that the Goods have been received in terms of the Letter of Award.

- (b) The amount payable as Cost of Delivery to CEB Stores indicated in the Schedule of Prices (Appendix VI-B) only shall be paid on a Pro-rata basis for each delivery.
- (c) Any applicable VAT will be paid by CEB at prevailing rates in addition to Total Ex-Work Price / Total Ex-Show Room Price, if claimed by the local manufacturer / supplier with the VAT Registration Number.

16 PACKING, IDENTIFICATION AND MARKINGS:

- (a) In addition to specific packing required as per Technical Specification, the Bid price shall include the cost of all necessary packing including cases, packing materials and labour. Export packing should be done in the best possible manner to withstand rough handling in transit. Packages should be suitable for export and to storage in the tropics. The Supplier is responsible for the adequate packing and handing over of Goods to the CEB Stores in good condition.
- (b) All packages should be marked and addressed legibly fairly in large characters in indelible ink as follows:

CEYLON ELECTRICITY BOARD, COLOMBO, SRI LANKA.
AWARD NO:
PACKAGE NO : OF PACKAGES
DESCRIPTION OF CONTENTS:
GROSS WT : NET WT :
CUBIC MEASUREMENTS:

17 INSPECTION OF GOODS:

- (a) Prior to shipment/delivery, the goods shall be inspected by an Engineer appointed by the CEB for the purpose of obtaining the certificate of quantity and quality.
- (b) Within 30 days of the receipt of the firm order, the Supplier shall give notice of the tentative date on which any particular item/items will be ready for test and inspection at works to enable the Ceylon Electricity Board to appoint the Inspector/s deemed necessary for tests. Items shall not be packed for dispatch until inspected, tested and approved by the Engineer. In the event, the CEB inspection is waived off, goods will be accepted with the Suppliers' Test certificate certifying that the product has passed the Acceptance Test satisfactorily. The Test Reports issued by the Supplier shall clearly identify Tender / Award No., Make / Model of the equipment, the detail results including test values of the Acceptance Tests carried out as per the CEB Specification and name and the designation of the Testing Personnel. The original Test Reports shall be made available to the Purchaser (CEB) at least 10 working days prior to the shipment.

CEB shall inform the Supplier whether the Acceptance Test Report is acceptable and the goods shall not be shipped in the event Acceptance Test Report furnished by the Supplier is not acceptable to the CEB"

- (c) The Supplier shall afford the Inspector all proper and reasonable facilities for examining, inspecting, testing or gauging of item/s ordered and shall also supply free of charge such apparatus, materials, tools, gauges, labour and assistance as may be required from time to time for the purpose of such examinations, inspections, tests or gauging. Goods will be subject for inspection both in the course of manufacture and at the time of acceptance.
- (d) The inspection carried out by the Engineer appointed by the CEB and the certification issued by the Engineer **shall not relieve the Supplier** from the liabilities to supply the goods in correct quantities and in accordance with the specifications stipulated.
- (e) The Purchaser's rights during the period of warranty to inspect, test and where necessary, reject the Goods after the arrival in the Purchaser's country shall in no way be limited or waived by reason of Goods having previously been inspected, tested and passed by the Purchaser or its representatives prior to shipment/delivery of Goods.
- (f) Nothing in this Clause (17) shall in any way release the Supplier from any warranty or other obligations under the Contract.

18 SHIPMENT: (APPLICABLE ONLY FOR GOODS TO BE OFFERED FROM OUTSIDE SRI LANKA)

The Suppliers are allowed to quote freight charges on Vessels owned by any shipping line. This quoted freight charges will be considered to calculate CIF price for the purpose of evaluation. However before opening of Letter of Credit, the CEB will get a freight rate from the Ceylon Shipping Corporation Ltd (CSCL) Sri Lanka.

Freight Submission:

The Supplier shall furnish the following details along with their Bid:

- (a) Documents from Shipping Line confirming Ocean Freight indicated in the Schedule of Prices
- (b) No. of Containers and Packages.
- (c) Number of Packages per Container, approximate weight and dimensions of Packages.
- (d) Description of the packing.
- (e) The Port/Ports of shipment.

Shipping Advice:

When the Goods are ready for shipment, the Supplier shall send the following details by Fax to the DGM –in-charge of the Procurement Unit

- (a) Name of the Ship
- (b) Number of Packages
- (c) Name and Address of the Shipping Agent in Sri Lanka

Within Two (2) days after issue of Bill of Lading and following documents shall be sent by Air Mail or preferably by courier.

- (a) Two copies of invoice.
- (b) Two copies of Freight Prepaid/Freight to pay Clean On-Board Marine Bill of Lading.
- (c) Two copies of packing particulars including the list of items, weight and measurement of each package.
- (d) One certificate of Country of Origin of Goods.
- (e) Certificate of quantity and quality; as per clause 17 (a).

Advance copies of above documents may be sent by Fax to expedite clearing of goods.

Delay in Shipping Documents, Discrepancies in Marking and Short Packing :

In case of delay in receipt of copies of Shipping Documents namely Invoice, Packing List, Bill of Lading etc. or if these Shipping Documents as well as Markings etc. on packages are not strictly in accordance with contract consequently causing undue delay in clearing from Port, the Supplier shall bear all extra charges and rent payable to the Port Authority. In case of short packing or short shipment, less than the quantities in the Invoice, the supplier shall make good all items short packed or shipped and also bear all duplicate payments of Customs Duty and other charges resulting thereof.

19. INSURANCE:

If considered necessary, the Supplier will be called upon to insure the goods from the Manufacturer's work to the CEB Stores. Such Insurance should be effected with a Government approved Insurance Company in Sri Lanka and should be in the name of the General Manager, CEB. The cost of such Insurance will be paid in Sri Lanka Rupees by the CEB to the Insurance Corporation/Company on production of their invoices.

20. DELIVERY WITHIN AGREED PERIOD AND DAMAGES FOR DELAY:

For Goods to be offered from outside Sri Lanka

- (a) Should the supplier anticipate any delay at any time during the execution of the order that the supplier will be unable to deliver the items within the time specified in the Letter of Award, the supplier shall at once give notice accordingly in writing to the General Manager CEB Colombo explaining the cause for the delay. In the case of delay, the General Manager or the officer authorized by him, shall have the option of either granting an extension or terminating the award ruling the case as default of contract. If the extension is granted, the supplier shall effect shipment within the intended period but will in addition to any other liabilities incurred under this contract, be subject to a deduction from the contract sum and/or the amount covered by the Performance Security, for liquidated damages (and not as a penalty) of point one per cent (0.1%) of the C&F value of each item shipped late for each and every complete day that may lapse between the contracted date of shipment and actual date of shipment subject to a maximum of 10% of the total C&F contract value unless the liquidated damages is waived or reduced by the General Manager CEB in view of any special circumstances.
- (b) If the extension of time for delivery is granted the Supplier shall extend the period of validity of Performance Security in accordance with Clause (12)

For Goods to be offered from within Sri Lanka

- a) Should the Supplier anticipate at any time during the execution of the order that he will be unable to deliver the items within the time specified in the Letter of Award, the supplier shall at once give notice accordingly in writing to the General Manger, CEB, Colombo, explaining the cause for the delay. In the case of delay, the General Manager or officer authorized by him shall have the option of either granting an extension or terminating the award, ruling the case as default of contract. If the extension is granted, the supplier shall effect delivery within the extended period, but will in addition to any other liabilities incurred by him under this contract, be subject to a deduction from the contract sum and/or the amount covered by the Performance Security for liquidated damages hereto (and not as a penalty) of point one percent (0.1%) of the value of each item delivered late for each and every complete day, that may lapse between the contracted date of delivery and actual date of delivery, subject to a maximum of 10% of the total contract value unless the liquidated damages is waived or reduced by the CEB in view of any special circumstances
- b) In the case of grant of extension of time for delivery, the Supplier shall extend the period of validity of the Performance Security in accordance with Clause (12).

21. CONTRACT NOT TO BE SUBLET:

The Supplier shall not assign or sublet the Contract without a written authority from the General Manager, CEB. Even if any part of his obligation has been assigned or sublet by the Supplier with written authority from the General Manager, CEB, the Supplier will not be relieved from the responsibilities for the due performance of the part assigned or sublet.

22. FORCE MAJEURE:

The Supplier shall not be held responsible for any delay or non-performance of contractual obligations to sell, and the Ceylon Electricity Board shall not be held responsible for any delay or non-performance of its contractual obligations to purchase, all or any part of the supplies caused by Force Majeure, including war, civil insurrection, fires, flood, epidemics, earthquakes, quarantine restrictions and freight embargoes, such delay may be excused and the period of such delay may be added to the time of the performance of the obligation delayed

If a Force Majeure situation arises, the Supplier shall within **ten (10) days** notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

Such notification of the Supplier shall be authenticated by the **Sri Lankan Embassy/Representative** in the respective **Country of origin** in the case of Force Majeure takes place outside Sri Lanka. The purchaser shall ascertain the facts including the extent of delay and the time for completion, provided the findings justified such an action.

23. PROOF OF ABILITY :

Bidders shall submit with their offer documents and/or other evidence of their ability to carry out the contract. Factors such as experience, plant facilities, nature of business, capital invested or authorized, turnover, availability of raw materials, guaranteed time of delivery and other relevant matters will be considered during evaluation of offers. Procurement Committee reserves the right to call for further documentary evidence of the ability of the Bidders to fulfill the terms and conditions of the Bid

24. WARRANTY:

- a) The Supplier warrants to the purchaser that the Goods supplied under the Contract are new, unused, tested as per the standard specified in this document, of the most recent or current models and incorporate all recent improvements in design and materials unless provided otherwise in the contract. The Supplier further warrants to the purchaser that all Goods supplied under this Contract shall have no defect arising from design, materials or workmanship (except in so far as the design material is required by the Purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.
- b) This Warranty shall remain valid for twelve (12) months after the completion of the final delivery.
- c) The Purchaser shall promptly notify the Supplier in writing of any claims arising under this Warranty. Upon receipt of such notice, the Supplier shall, with all reasonable speed, repair or replace the defective Goods or parts thereof, without costs to the Purchaser other than, where applicable, the cost of inland delivery of the repaired or replaced Goods or parts from the port of entry to the final destination.
- d) If the Supplier, having been notified, fails to remedy the defect(s) within a reasonable period, the Purchaser may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

25. PATENT RIGHTS CLAIMS:

The Bidders shall indemnify the Ceylon Electricity Board against all claims if any, arising on account of patent rights or royalties, whether from manufacturers or others, as a consequent of the use by the Ceylon Electricity Board of royalty goods supplied.

26. ARBITRATION:

If during the continuance of this contract or within one month after the termination thereof, any differences or disputes, which may arise between the parties hereto in regard to the interpretation of any of the provisions herein contained or any other matter or thing relating to this contract (other than any difference or dispute in respect of which a decision of the General Manager, Ceylon Electricity Board is declared to be final and binding on the parties hereto) such difference or dispute shall be forthwith referred to an Arbitral Tribunal in Sri Lanka. Composition of the Arbitral Tribunal, Jurisdiction of the Arbitral Tribunal, Conduct of Arbitration Proceedings, Awards and any other matters relating to the Arbitration shall abide by Arbitration Act, No. 11 of 1995 of the Democratic Socialist Republic of Sri Lanka

27. LAW OF THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA :

The Bidders and any contracts resulting thereof shall be governed and abide by and construed according to the Law of the Democratic Socialist Republic of Sri Lanka.

28. BIDDER TO INFORM HIMSELF FULLY :

Bidders shall acquaint themselves fully with the conditions of bidding. No plea for lack of information or insufficient information will be entertained at any time.

29. BIDS TO BE ON OFFICIAL DOCUMENTS :

Offers will be rejected if Bidders fail to submit their bids on the official bidding documents and/or if the conditions laid down hereto have not been strictly fulfilled.

30. BIDDER'S STANDARD CONDITIONS :

Bidder's Standard Conditions of sale, usually printed on the reverse side of the Pro forma Invoice or in a separate format, will not be accepted. The Conditions of bid of the CEB shall prevail.

31. SAMPLES:

Samples offered shall be furnished as indicated in the CEB Specification (Appendix V of the bidding document), to the DGM-in-charge of the Procurement Unit stated in the Data Sheet (page1) on or before the Time & Date stated in the Data Sheet (page 1).

If the samples are not required to be submitted, it shall be stated in the Data Sheet (Page 1)

32. DEFAULTED CONTRACTORS :

A Bid is liable to be rejected forthwith if it is submitted by a Contractor who has in the past, failed to perform contract obligation satisfactorily in accordance with the terms and conditions of this contract with the CEB.

33. DECLARATION OF DIRECTORS:

When forwarding bids, Private Companies should declare the names of the Current Directors and the Share Holders of the Company. In the case of Public Companies, the Current Directors of such Public Company should be declared.

34. TAXES AND LEVIES:

Notwithstanding anything specified in the conditions of Contract, all taxes and levies as and when imposed or imposable by the Government will be taken into account for payment purposes.

35. VALUE ADDED TAX AND NATION BUILDING TAX (If applicable)

35 (a) VALUE ADDED TAX :

If the Bidders are registered for the purpose of VAT, they should indicate the amount of VAT claimed separately in the bid documents along with the VAT registration number. Declaration of VAT registration number is a mandatory requirement for determination of Bidders and any Bidder who does not declare his/her VAT registration number will be liable for rejection of the Bid. If any Bidder is not registered for VAT, he/she should obtain a letter from the Commissioner of Inland Revenue Department, certifying that the company has not been registered for VAT, which should be attached to the Bid.

35 (b) NATION BUILDING TAX :

If the NBT is included in the bid price it will be taken for bid evaluation as part of total cost. If the NBT is not charged the bidder shall clearly indicate as **"NBT is not applicable"** in the price schedule.

36. FURTHER INFORMATION:

Any further information and clarifications shall be sought, two (2) weeks before the Date of the closing of bidding, in writing from the DGM-in-charge of the Procurement Unit (as stated in the Data Sheet)

CERTIFICATE OF PURCHASE OF THE BIDDING DOCUMENT
(To be signed and attached with the bid)

Date :

Issued to M/s

.....

.....

On behalf of M/s.

.....

.....

Non refundable Tender fee receipt No..... dated

For DGM Planning & Development – DD 03

Ceylon Electricity Board

I / We agree to abide by the Conditions of Bid for **Bid No: DD3/P&D/ICB/2021/017/D** and therefore submit my/our Bid in the attached Schedule of Price (Appendix VI-A, VI-B)

Position and Name of Signatory :

Address :

.....

.....

.....

Date :

.....

Signature of Bidder and Seal

Information Copy - Not for Bidding

CEYLON ELECTRICITY BOARD
FORM OF BID

**The Chairman,
Divisional Procurement Committee – DD 03**

I/We having examined the Conditions of Bid, the Schedule of Prices and all other Documents pertaining to this work/supply, do hereby offer and undertake to carry out the work/supply, to the satisfaction of the General Manager, Ceylon Electricity Board strictly in accordance with the conditions of Bid; at the prices and within the delivery period set forth in the accompanying Bill of Quantities pertaining to Bid No. DD3/P&D/ICB/2021/017/D and in consideration of the trouble and expense incurred by you in preparing the contract documents and in examining and considering the Bid, I/We further undertake that this Bid shall not be withdrawn by me/us before the expiration of 90 days from the date of the closing of bidding but shall remain binding on me/us and may be accepted at any time before such expiration.

And I/We further undertake in the event of this Bid being accepted to furnish a Performance Bond corresponding to 10% of the contract sum. Such Bond shall be on the form of a Bank Guarantee or such other form as provided in the Bid Conditions and shall be in favour of the General Manager, Ceylon Electricity Board for the due Performance of the Contract and for the payment of all claims to which the Ceylon Electricity Board may be entitled, and to execute an agreement in the prescribed form duly stamped by me/us at my/our expense in accordance with the Stamp Duty Ordinance and to complete the work to the entire satisfaction of the General Manager, Ceylon Electricity Board.

And I/We further agree that, in the event of my/our withdrawing the bid or declining or failing to execute such bond and/or agreement within two (2) weeks of my/our being called upon to execute such bond and/or such Agreement, the Ceylon Electricity Board has the right to confiscate the Bid Security and to recover from me/us the full amount of damages sustained by the Ceylon Electricity Board as a result of my/our so declining or failing.

I/We understand that you are not bound to accept the lowest or any Bid you may receive.

Name*:

In the capacity:

Signed:

Duly authorized to sign the Bid for and on behalf of:

.....

Date:

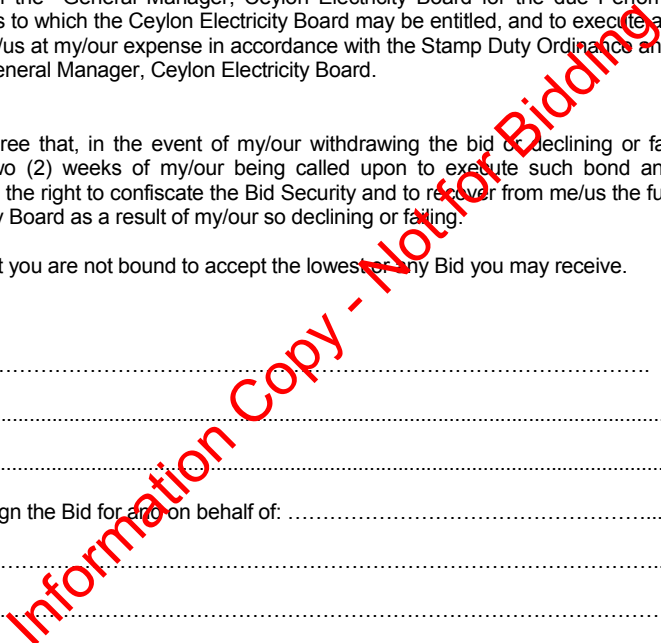
Witness

Signature: 1 2.....

Name: 1 2.....

Address: 1..... 2.....

* Please note that the person signing the Bid shall have the authorization given by the Bidder which shall be attached to the Bid.



Specimen Form of Bid SecurityBID SECURITY

(.....Date))

Ceylon Electricity Board,
Colombo.

Dear Sirs,

Bid No: DD3/P&D/ICB/2021/017/D**Bid Security No:.....**

At the request of our constituent of (hereinafter referred to as "The Contractor") we the undersigned duly incorporated in and having its head office at and carrying on business at in the Island of Sri Lanka do hereby undertake and promise to pay to you on demand at Colombo in Sri Lanka currency such sums not exceeding in the aggregate Rupees (Rs.) as may be demanded by you from time to time hereunder provided every such demand is made in writing under the hand of the General Manager or the Chief Executive Officer or your Board or any person purporting to act under the Authority of the General Manager or the Chief Executive Officer of the Ceylon Electricity Board.

Notwithstanding anything to the contrary herein contained these presents shall be valid only up to and include the day of and shall not hereafter be of any force or avail in law except in respect of any demand made by you before 2 p.m. on the said day of provided however that in case we shall have before 2 p.m. on the said day of extended the period of validity of these presents up to any date subsequent to the said day of then the provisions of this clause shall set and amended and read as if the date of which these presents is so extended and originally been inserted wherever in this clause the said day of occurs and these presents shall have force accordingly. Such period of validity may similarly be extended from time to time so as to keep these presents in full force up to such extended date or dates.

A demand addressed to us under the hand of your General Manager or the Chief Executive Officer or other Officer of your Board acting as aforesaid shall be sufficient and conclusive proof that we are liable to pay to you the sum demanded hereunder.

Our liability hereunder shall not in any event exceed a sum of Rs (Rs.) in the aggregate and every payment made by us hereunder shall be a pro tanto discharge of our aggregate liability hereunder.

We specifically agree that you shall be at liberty either in one action to sue us and the said contractor or any other persons or persons jointly and severally or to proceed in the first instance against us only and further that we hereby expressly renounce our right to claim the said Contractor should be excused or proceeded against by action in the first instance and the right to claim that you should recover from us appropriate share of the amount claimed and all other rights, benefits and privileges to which guarantees or sureties are or may in law be entitled, it being expressly agreed and understood that we shall be liable in all respects hereunder as principal debtor to the extent aforementioned including the liability to be used before recourse is had against the Contractor.

Yours faithfully,

Witness :.....
.....

The above Guarantee is issued in respect of the Bid No : (Insert Bid No) submitted by (Insert Name of the Bidder) to the General Manager, Ceylon Electricity Board, for the supply and delivery of (Name of the Bid)

Specimen Form of Performance Security

**Performance Security No:
Award No:**

KNOW ALL MEN BY THESE PRESENTS that by this BOND we whose registered office is at (hereinafter called "Contractor") and a body incorporated in Sri Lanka carrying on business in Colombo whose registered office is at(hereinafter called the "Surety") are hold and firmly bound into the CEYLON ELECTRICITY BOARD having its Head Office at No. 50, Sir Chittampalam A Gardiner Mawatha, Colombo 2, its Successor and assigns for an on behalf of the CEYLON ELECTRICITY BOARD.

Hereinafter called the ("Employer") in the Sum of Rupees (Rs.) for the payment of which said sum of money the Contractor and the Surety bond themselves, their successors and assigned jointly and severally by these presents.

WHEREAS We the said Contractor and Surety do hereby undertake and promise to pay to you on demand at Colombo such sum not exceeding Rupees (Rs.) as may be demanded by you from time to time provided every such demand is made in writing under the hand of the General Manager of the Employer or by any person purporting to act under the authority of the General Manager. Such written demand shall be sufficient and conclusive proof that we are liable to pay to the Employer the sum demanded hereinafter.

WHEREAS the Contractor and the Employer have entered into an Agreement herein after called ("the said Contract") for the Supply and delivery/executing of more particularly described in the Bid bearing No..... dated in conformity with the provisions of the said Contract.

NOW THEREFORE, the CONDITIONS of the above written Bond is such that if the Contractor shall duly perform and observe all the terms provisions, conditions and stipulations of the said Contract on the Contractor's part to be performed and observed, according to the true purport, intent and meaning thereof, or if on default by the Contractor the Surety shall satisfy and discharge any damage or loss and shall pay all costs or expenses, or otherwise sustained by the Employer thereby, up to the amount of the above written Bond then this obligation shall be null and void, but otherwise shall be and remain in full force and effect, but no alteration in terms of the said Contract made by agreement between the Employer and the Contractor, or in the extend, or nature of the works to be executed thereunder, and no allowance of time by the Employer or the Engineer under the said Contract, nor any forbearance or forgiveness in, or in respect of any matter or thing concerning the said Contract on the part of the Employer or the said Engineer shall in any way release the surety from any liability under the above written Bond.

THIS BOND shall operate and take effect as from the date hereof and shall continue in force and remain valid as and from day of Two Thousand until day of (Two Thousand both days inclusive) provided however, the period of validity of this Bond may be extended up to any date subsequent to the said day of then this Bond shall remain full force and effect up to such extended date.

Provided always and it is hereby declared and agreed that all the rights and remedies of the Employer under this Bond are to be cumulative and in addition to, and not in substitution for their respective rights and remedies under the said Contract and the rights of the Employer against the Contractor and Surety and either of them and their or his respective successors and assigns shall not be prejudiced or affected by any alteration which may be made by agreement between the parties to the said Contract in the terms thereof and of any such award as aforesaid or in the nature of the work to be executed and obligations to be performed thereunder or by time being granted to the Contractors.

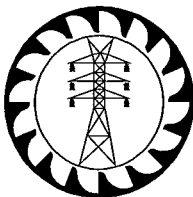
It is hereby further declared and we specifically agree that you shall be at liberty either in one action to sue us and the said Contractor or any other person or persons jointly and severally or to proceed in the first instance against us only and further that we hereby expressly renounce our right to claim that the said Contractor should be excused or proceeded against by action in the first instance and the right to claim that you should recover from us a pro-rata share of the amount claimed and all other rights, benefits and privileges to which Guarantors or Sureties are and may in law be entitled, it being expressly agreed and understood that we shall be liable in all respects hereunder as principal debtor to the extent aforementioned including the liability to be sued before recourse is had against the Contractor. Any suit at Law or Proceedings in equity if brought against the Surety or Contractor of any other person to recover any claim hereunder the same shall be instituted in Sri Lanka.

In witness whereof the parties hereto have hereunto set their hand at Colombo on the dates herein mentioned.

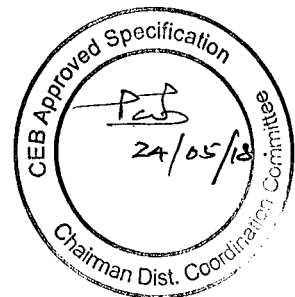
CEB
SPECIFICATION

**ACCESSORIES FOR
LOW VOLTAGE
AERIAL BUNDLED CONDUCTORS**

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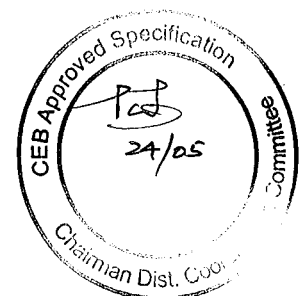
**CEYLON ELECTRICITY BOARD
SRI LANKA**



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SPECIFICATION OF ACCESSORIES FOR LOW VOLTAGE AERIAL BUNDLED CONDUCTORS

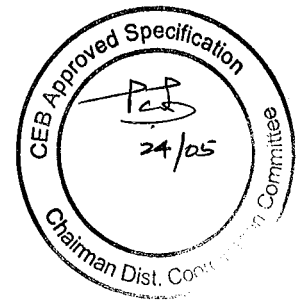
1.0 SCOPE

This specification covers the general requirements of the design, manufacture and testing of following accessories for Low Voltage Aerial Bundled Conductors (ABC).

1. Suspension Small Angle Assembly for 54.6 / 70 mm² messenger wire.
2. Dead End Assembly for 54.6 / 70 mm² messenger wire.
3. Large Angle Assembly for 54.6 / 70 mm² messenger wire.
4. Piercing connectors for 16 /50 /54.6 /70 /95 mm² ABC to 16 /50 /54.6 /70 /95 mm²ABC/PVC/Bare.
5. Pre-insulated sleeves for 16 /50 /54.6 /70 /95 mm² AAC/ AAAC XLPE insulated conductors.
6. Pre-insulated Bi-Metallic Lugs for 16 /50 /54.6 /70 /95 mm² AAC/ AAAC XLPE insulated conductors.
7. Insulated binding strap.
8. Insulation cap.
9. Stainless steel straps and buckles.

2.0 SYSTEM PARAMETERS

(a)	Nominal voltage (U)	400/230 V
(b)	System highest voltage (U _m)	440 V
(c)	System frequency	50 Hz
(d)	Method of earthing	Effectively earthed
(e)	System fault level	25 kA



3.0 SERVICE CONDITIONS

(a)	Annual average ambient temperature	30 °C
(b)	Maximum ambient temperature	40 °C
(c)	Maximum relative humidity	90%
(d)	Environmental conditions	Humid tropical climate with heavily polluted atmosphere
(e)	Operational altitude	From M.S.L. to 1900 m above M.S.L.
(f)	Isokeruanic (Thunder days) level	100 days
(g)	Solar Radiation (Maximum)	4.5 kWh/m ² /day

4.0 APPLICABLE STANDARDS

The Aerial Bundled Conductor Accessories supplied shall be in accordance with the latest editions of the standards specified below and amendments thereof.

(a)	French NFC Standards	
(i)	NFC 33 040:2013	Insulated Cables And Their Accessories For Power Systems - Suspension Equipments For Overhead Distribution With Bundle Assembled Cores, Of Rated Voltage 0,6/1 kV
(ii)	NFC 33 041:2013	Insulated Cables And Their Accessories For Power Systems - Anchoring Devices For Overhead Distribution With Bundle Assembled Cores Of Rated Voltage 0,6/1 kV
(iii)	NFC 33 020: 2013	Insulated Cables And Their Accessories For Power Systems - Insulation Piercing Branch-Connectors For Overhead Distributions And Services With Bundle Assembled Cores, Of Rated Voltage 0,6/1 kV

(iv)	NFC 33 021: 2013	Insulated Cables And Their Accessories For Power Systems - Pre-Insulated Compression Type Connecting Equipment For Overhead Distributions And Services With Bundle Assembled Cores, Of Rated Voltage 0,6/1 kV
(v)	NFC 33 209:1996	Insulated Or Protected Cables For Power Systems - Bundle Assembled Cores For Overhead Systems Of Rated Voltage 0,6/1 kV
(vi)	NFC 33 004:1998	Insulated Cables And Their Accessories For Power Systems - Connecting Equipment For Overhead Distributions And Services Of Rated Voltage 0,6/1 kV With At Least One Insulated Core - Electrical Ageing Test
(b)	European Standards	
(i)	EN 50483-1:2009	Test Requirements for Low Voltage Aerial Bundled Cable Accessories – Part 1: Generalities
(ii)	EN 50483-3:2009	Test Requirements for Low Voltage Aerial Bundled Cable Accessories – Part 3: Tension and Suspension Clamps for Neutral Messenger System
(iii)	EN 50483-4:2009	Test Requirements for Low Voltage Aerial Bundled Cable Accessories – Part 4: Connectors
(iv)	EN 50483-5:2009	Test Requirements for Low Voltage Aerial Bundled Cable Accessories – Part 5: Electrical Aging Test
(v)	EN 50483-6:2009	Test Requirements for Low Voltage Aerial Bundled Cable Accessories – Part 6: Environmental Testing
(c)	IEC Standards	
(i)	IEC 61089:1991	Round wire concentric lay overhead electrical stranded conductors.

The supplier may offer Aerial Bundled Conductor Accessories manufactured to any other international standard equivalent or not less stringent than the standards stipulated above. Offers of items manufactured to any other internationally recognized equivalent standards, shall be accompanied by an English translation of such standards.

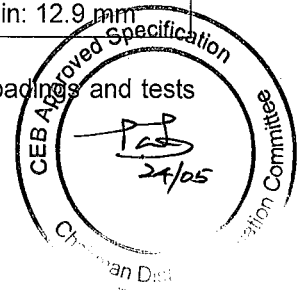
However in the event of discrepancy, the details given in this CEB specification supersedes above standards.

5.0 BASIC FEATURES

All the accessories for ABC shall have the electrical and mechanical characteristics conforming to the relevant standards specified in clause 4 and shall be suitable with the following ABC system/s as specified in CEB Specification 018-1:2018 (or latest).

	Configuration	Minimum breaking strength of the messenger (kN)	Insulated messenger outside diameter
(a)	1x 50 mm ² + 1x 54.6 mm ²	16.60	Max: 13.0 mm Min: 12.3 mm
(b)	3x 70 mm ² + 1x 54.6 mm ²	16.60	
(c)	3x 70 mm ² + 1x 54.6 mm ² + 1x 16 mm ²	16.60	
(d)	3x 95 mm ² + 1x 70 mm ²	20.50	Max: 13.6 mm Min: 12.9 mm
(e)	3x 95 mm ² + 1x 70 mm ² + 1 x 16 mm ²	20.50	

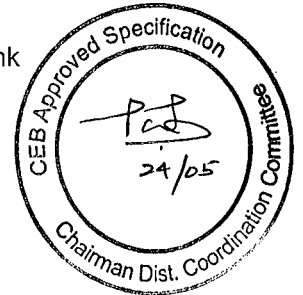
The accessories for ABC are as specified below and they shall satisfy all the loadings and tests as stipulated therein.



5.1. Clamps and assembly

The clamps and assembly for ABC specified below shall satisfy the requirements as stipulated therein.

- 5.1.1 Suspension Small Angle Assembly
 - 5.1.1.1 Suspension Bracket
 - 5.1.1.2 Suspension clamp and movable Connecting (articulated) link
- 5.1.2 Dead End Assembly
 - 5.1.2.1 Tension Bracket
 - 5.1.2.2 Wedge type Tension (Dead End) Clamp
- 5.1.3 Large Angle Assembly



5.1.1. Suspension small angle assembly

Suspension assembly shall be suitable for use on overhead lines of rated voltage 0.6/1kV with bundled insulated conductors stretched between poles. Suspension assemblies shall be installed on the insulated neutral messenger

The assembly shall also be suitable for use on 'out of aligned' poles with angles of deviation such that the maximum angle is 45° for salient angles and 27° for re-entrant angles [see Figure 1:Annex B] as per NFC 33 – 040.

The dimensions of the components shall be such that the suspension clamp does not touch the pole at re-entrant angle locations.

The assembly shall consist of the following three components.

Component Description	For 54.6 mm ² Messenger (NFC reference-ESF 54)	For 70 mm ² Messenger (NFC reference-ESF 70)
One number suspension bracket	CS	CS
One number movable connecting (articulated) link	LM 54	LM 70
One number suspension clamp	PS 54	PS 70

5.1.1.1. Suspension bracket

Suspension bracket shall be made of Aluminium Alloy suitable for attachment to a concrete pole by single 16 mm galvanized iron bolt. The bracket shall ensure a distance (d_0) [see Figure 2: Annex B] not less than 140 mm (tolerance – 0, + 10) from the pole face to the center of the bracket eye from which the clamp is hung as per NFC 33-040.

Provision shall be available on the bracket such that the suspension clamp does not allow the attached neutral conductor to swing closer than 60 mm towards the pole and 45° up the horizontal plane as shown in the Figure 2: Annex B.

5.1.1.2. Suspension clamp and movable connecting (articulated) link

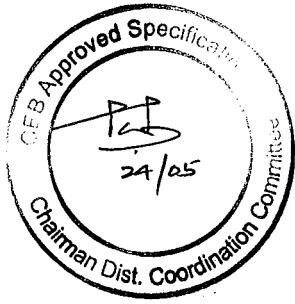
The suspension clamp and the movable connecting link shall be made of weather resistant and mechanically strong insulating material without any steel component.

Internal shape of the suspension clamp shall allow the neutral messenger to a turning angle not less than 45° inside the clamp.

Clamping of the neutral messenger shall be of control slippage. This device shall have the capacity for suspension and tightening the neutral messenger conductor.

The movable connecting link shall act as a mechanical fuse in the case of overloading on the bundled conductor (when breaking, suspension assembly relieves the network of loading and preserves dead ending) with the mechanical requirement as per the NFC 33-040.

Bolts shall not be used to clamp the neutral messenger conductor to the suspension clamp.



5.1.2. Dead end assembly

Dead end assembly shall be suitable for anchoring of overhead lines of rated voltage 0.6/1 kV with bundled insulated conductors stretched between poles. Dead end assembly shall be installed on the insulated neutral messenger.

The assembly shall consist of the following two components.

Component Description	For 54.6 mm ² Messenger (NFC reference EA 1500)	For 70 mm ² Messenger (NFC reference EA 2000)
One number tension bracket	CA 1500	CA 2000
One number wedge type tension clamp	PA 1500	PA 2000

Each component shall have a nominal force of 1500 daN or 2000 daN as per the mechanical requirements given in NFC reference EA 1500 or EA 2000. Those components shall be delivered as assemblies to ensure compatibility of the components.

5.1.2.1. Tension bracket

Tension bracket shall be made of Aluminium Alloy suitable for attachment to the concrete or wood pole by a 16 mm galvanized iron bolt.

The mechanical requirements of the assembly and components shall be as per NFC reference EA 1500 or EA 2000 depending on the messenger wire size. The distance between the pole and the tension clamp fixing point shall be 100±20 mm (see Figure 3: Annex B).

5.1.2.2. Wedge type tension (Dead end) clamp

Wedge type tension clamps shall be of self-tightening type suitable to anchor the bundled conductor on the neutral messenger.

Housing of the wedge type tension clamp shall be made out of mechanical and weather resisting material (Aluminium Alloy or Insulating material), All components shall be tightly fixed in place. In all cases, it shall be possible to install the cable in the clamp without using any tool.

No special tools shall be required for installation of the clamp in the field. To ease the torsional movement involved in the ABC system, the clamp shall be supplied with a flexible attachment to the above bracket by means of a stainless steel

flexible braid. The braid shall be such that the distance between the fixing point of the bracket and the housing of the clamp shall be not less than 200 mm (see Figure 4: Annex B).

The wedge shall be exclusively made of weather resistant Insulating material and shall be designed to withstand the relevant breaking load of the neutral messenger without slipping. The mechanical requirements of the assembly and components shall be as per NFC reference EA 1500 or EA 2000 depending on the messenger wire size. Provision shall be available for the two wedges to prevent any relative movement when fitting into the clamp housing.

All the components of the material shall be made of corrosion resistant materials.

5.1.3. Large angle assembly

Each assembly shall include:

- (a) One number Tension bracket
- (b) Two numbers Wedge type Tension clamp

Description of sub components of the large angle assembly are the same as for the dead end assembly described in clause 5.1.2 above, but two wedge type tension clamps shall be supplied instead of one wedge type tension clamp as in the dead end assembly.

5.2. Piercing connectors

The piercing connectors for ABC are specified below and they shall satisfy the requirements as stipulated therein.

5.2.1 Insulation Piercing Connectors

5.2.1.1 Tap off Insulation Piercing Connectors

5.2.1.2 Branch Service Insulation Piercing Connectors

5.2.1. Insulation piercing connectors

Insulation piercing connectors are required for tap-offs of bundled conductors and for connection of service conductors to bundled conductors. These connectors shall be of insulation piercing type both on the main and tap conductors.

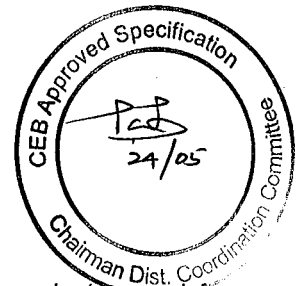
The connectors shall be of waterproof design. To achieve the required water tightness a special rubber seal shall be provided around the teeth of the connector and the connector shall be greased with neutral grease in order to prevent moisture penetration.

The housing shall be made entirely of mechanical and weather resistant plastic insulation material and no metallic part outside the housing is acceptable except for the tightening bolt.

It is absolutely necessary that none of the energized parts of the connector can be reached directly by the operator during installation of piercing connector on live lines.

Bolts of the piercing connector shall be provided with over torque shear head which shall allow adequate clamping torque to achieve proper connections. Nut/s shall be embedded to the piercing connector housing rigidly.

The number and the length of the teeth shall be adequate enough to penetrate the relevant bundled conductor insulation to establish proper contact without any contact resistance and without stripping the conductor insulation.



To ensure good electrical contact 1 bolt connector shall be provided with minimum of two lower and upper contact teeth and 2 bolt connectors with minimum of 3 lower and upper contact teeth. Connecting metal piece shall be tin plated copper alloy and teeth shall be hard enough not to bend when tightening.

The bolt and washers shall be of corrosion resistant type (either stainless steel or aluminium alloy).

The connector shall have a removable end cap enabling tapping and branching on either side of the connector. The end cap shall be of slide type enabling easy positioning. End cap shall be locked to the housing after sliding completed and be fully filled with grease.

The current rating of the connectors shall be the same as the rating of the relevant size of the main cable.

5.2.1.1. Tap off insulation piercing connector

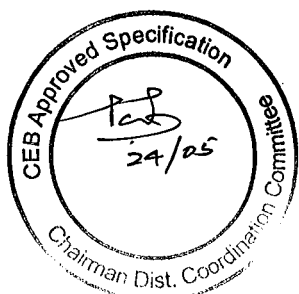
Tap off piercing connectors are used to tap off a branch ABC line from either an Aerial Bundled line (ABC) or a bare conductor line. Tap off piercing connectors are used to tap off a street line from a bundled street line.

Identification Code	Cross section of conductors (mm ²)			No of Bolts	Application
	Main		Tap		
	Insulated Conductors / Cables	Bare	Insulated Conductors / Cables		
a	70-95	-	54.6 - 70	2	ABC - ABC
b	70-95	-	70-95	2	ABC - ABC
c	70-95	-	54.6-50	2	ABC - ABC
d	54.6 - 70	-	54.6 - 70	2	ABC - ABC
e	54.6-70	-	54.6-50	2	ABC - ABC
f	54.6-50	-	54.6-50	2	ABC - ABC
g	-	22 - 75	70-95	2	Bare - ABC
h	-	22 - 75	54.6-70	2	Bare - ABC
i	-	22 - 75	54.6-50	2	Bare - ABC
j	6 - 25	-	6 - 25	1	ABC street line - ABC street line
k	-	22-75	6 - 25	1	Bare - ABC street line

5.2.1.2. Branch service insulation piercing connector

Branch Service piercing connector is a Tap off connector dedicated to connect one or more customers or street lighting equipment to a low voltage distribution network. It shall be capable to tap aluminium insulated service cable ranges given below.

Identification Code	Cross section of conductors (mm ²)		No of Bolts	No of Taps	Application
	Main	Tap (Insulated)			
	Insulated Conductors / Cables	Aluminium			
a	70-95	10 - 25	1	1	ABC - 1 x Service wire
b	70-95	10 - 25	2	2	ABC - 2 x Service wire
c	70-95	10 - 25	4	4	ABC - 4 x Service wire
d	54.6 - 70	10 - 25	1	1	ABC - 1 x Service wire
e	54.6 - 70	10 - 25	2	2	ABC - 2 x Service wire
f	54.6 - 70	10 - 25	4	4	ABC - 4 x Service wire
g	54.6-50	10 - 25	1	1	ABC - 1 x Service wire



h	54.6-50	10 – 25	2	2	ABC – 2 x Service wire
i	54.6-50	10 – 25	4	4	ABC – 4 x Service wire

5.3. Sleeves and other accessories

The sleeves and other accessories (other than clause 5.1 and 5.2) for ABC are specified below and they shall satisfy the requirements as stipulated therein.

- 5.3.1 Pre-insulated Sleeves and Bi-metallic Lugs
 - 5.3.1.1 Pre-insulated Sleeves for 50/70/95 mm² AAC Phase XLPE, 54.6/70 mm² AAAC Neutral XLPE Insulated and 16 mm² Street Lamp Core
 - 5.3.1.2 Pre-insulated Bi-Metallic Lugs for XLPE insulated 50/70/95 mm² AAC Phase, 54.6/70 mm² AAAC Neutral and 16 mm² Street Lamp Core
- 5.3.2 Insulating Binding strap
- 5.3.3 Insulation Cap
- 5.3.4 Stainless Steel Straps and Buckles

5.3.1. Pre-insulated sleeves and Bi-metallic lugs (Palm copper and barrel aluminium)

The joints shall be of pre-insulated type i.e. the compression is directly made over the insulation but crimping shall not deteriorate the insulation of the sleeve.

The pre-insulated jointing sleeves and Bi-metallic lugs shall be of waterproof type. For this purpose the pre-insulated sleeve and Bi-metallic lugs shall be equipped with a suitable rubber gasket to prevent ingress of water.

The pre-insulated sleeves and Bi-metallic lugs shall be pre-filled with any suitable oxide inhibiting compound or silicon grease and their current ratings shall be equivalent to the respective cable/messenger.

For easy identification pre-insulated sleeves and Bi-metallic lugs shall have markings indicating size of conductor applicable (or colour coded as per NFC 33-021), sequence and location of hexagonal compression indents and die to be used. Also insulation stripping length shall be indicated on the sleeves and Bi-metallic lugs.

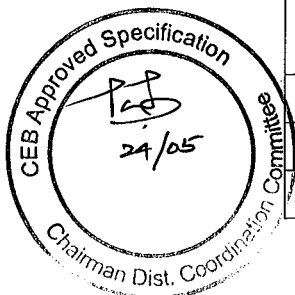
The current rating of the pre-insulated sleeves and Bi-metallic lugs shall not be less than that of the relevant ABC system specified in 5.0.

The temperature rise in the joint shall not be more than that of the conductor stipulated in the relevant standard specified.

Compression of all pre-insulated sleeves and Bi-metallic lugs for both phase and messenger neutral shall be achieved by means of using a single die.

The groove reference of the sleeves and barrel of the lugs and the "Across Flat Dimension" of the die to be used shall be as indicated below;

	Conductor Type	Size of the conductor (mm ²)	Across Flat Dimension of the Die to be used (mm)	Groove reference
(a)	Phase Conductor	50/70/95	17.3	E173
(b)	Neutral Messenger	54.6/70	17.3	E173
(c)	Street Lamp wire	16	14.0	E140



5.3.1.1. Pre-insulated sleeves for 50/70/95 mm² AAC Phase XLPE, 54.6/ 70 mm² AAAC Neutral XLPE Insulated and 16 mm² Street Lamp Core

The pre-insulated sleeves shall be suitable for making mid-span joints and the mechanical requirements of pre-insulated sleeve after compression shall be as follows.

(a)	For 50/70/95 mm ² AAC phase cable and for 16 mm ² street lamp wire	60% of conductor U.T.S.
(b)	For 54.6/70 mm ² (min) AAAC neutral	95% of neutral messenger U.T.S

5.3.1.2. Pre-insulated Bi-Metallic Lugs for 50/70/95 mm² AAC Phase XLPE, 54.6/70 mm² AAAC Neutral XLPE Insulated and 16 mm² Street Lamp Core

The pre-insulated Lugs shall be of friction welded bi-metallic type and the barrel of which is in insulated aluminium and the palm of which has contact faces in bare copper, suitable for making connections between the aerial bundled conductors and copper terminals of the equipment effectively.

The palm of Bi-metallic Lugs used for phase conductor and neutral messenger shall provide with a 12.8 mm diameter hole and for street lamp core it shall be 10.5 mm.

5.3.2. Insulating binding strap

The binding strap shall be used for binding the cable at different locations with the dead end clamp and suspension clamp.

The strap shall be made of polyamide having a total length of 215 mm and a clamping capacity of 62 mm. The width of the straps shall not be less than 9 mm.

There shall be titled grooves on one side of the strap and the top of the strap shall have a locking and releasing facility.

5.3.3. Insulation cap

The insulation cap shall consist of 2, 4 or 5 nos. of end caps for each conductor of the bundle (depending on the type of ABC i.e. as indicated in the schedule of prices) and an overall cover for effectively terminating the ABC.

The inner diameter of the cap shall be such that it will tightly fit to the individual conductors of the relevant ABC system specified, to prevent entry of moisture.

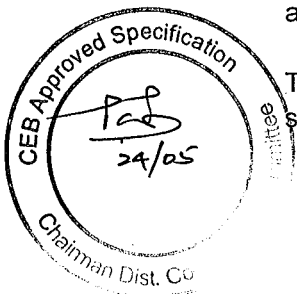
The overall cover shall be of heat shrinkable type, made of black colour EPDM suitable for use with the ABC systems specified in clause 5.0 with or without 16 mm² street lamp core as indicated in the schedule of prices.

5.3.4. Stainless steel straps and buckles

Stainless steel strap is used to fix the bracket to poles as and when required.

Stainless steel strap shall be of grade 18/8, width 20 mm and thickness 0.7 mm approximately. The edges shall be smooth and free from burrs.

The buckles used for strapping shall be made of stainless steel suitable for use with the stainless steel strap specified above.



6.0 QUALITY ASSURANCE

The manufacturer shall possess ISO 9001:2008 or latest Quality Assurance Certification for the manufacture of XLPE Insulated low voltage Aerial Bundle Conductor Accessories for the plant where manufacturing is being done. The Bidder shall furnish a copy of the ISO certificate certified as true copy of the original by the manufacturer, along with the offer.

7.0 ADDITIONAL REQUIREMENTS

7.1. Manufacturing Experience

The manufacturer shall have minimum of ten (10) years experience in manufacturing XLPE Insulated low voltage Aerial Bundle Conductor Accessories. In addition, minimum of five (5) years experience shall be in manufacturing for orders from outside the country of the manufacturer. The product offered has to be in same voltage range of offered item and shall have been used in service utilities over past 5 years.

Manufacturer shall furnish a list of purchasers with year and quantity of the product offered with the offer to prove his manufacturing experience.

7.2. Packaging and delivery

The accessories for ABC shall be packed as indicated below. Name of Item and the quantity shall be clearly marked on each packing.

Relevant to items in Clause 5.1

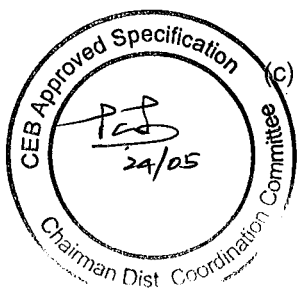
- i. The complete Suspension Small Angle Assembly shall be delivered in a single pack in a suitable bag.
- ii. The complete Dead End Assembly shall be delivered in a single pack in a suitable bag.
- iii. The complete Large Angle Assembly shall be delivered in a single pack in a suitable bag.

Relevant to items in Clause 5.2

- i. Each Piercing Connector shall be packed in a suitable sealed bag to avoid moisture penetration during transport and storage and 10 numbers of such bags shall be packed in a card board box.

Relevant to items in Clause 5.3

- (a)
 - i. Each Pre-Insulated Sleeve shall be packed in a suitable sealed bag to avoid moisture penetration during transport and storage and 25 numbers of such bags shall be packed in a card board box.
 - ii. Each Pre-Insulated Bi-metallic Lug shall be packed in a suitable sealed bag to avoid moisture penetration during transport and storage and 25 numbers of such bags shall be packed in a card board box.
- (b) Insulating Binding Strap shall be packed in suitable bags and each bag shall contain 100 numbers of Insulating Binding Straps.
- (c) A set of Insulation End Caps with overall cover shall be packed in a suitable sealed bag to avoid moisture penetration during transport and storage and 10 numbers of such bags



shall be packed in a card board box.

- (d)
- i. The Stainless steel Buckles shall be supplied in packs of 100
 - ii. The Stainless Steel Straps shall be supplied in carton rolls of 50 meters each.

8.0 INSPECTION AND TESTING

8.1. Type Test

The equipment/items subjected to the following Type Tests as per standards specified in clause 4.0, shall have a proven design.

Type Tests Relevant to items in Clause 5.1

- i) For Suspension, Large Angle and Dead End Assembly,
 - (a) Mechanical Test
 - I. Tensile tests on brackets
 - II. Tensile tests on sub-assemblies
 - III. Slippage test on the clamp of the suspension assemblies
 - (b) Voltage tests on sub-assembly suspension clamp & moveable link
 - (c) Climatic ageing Test for complete unit
 - (d) Corrosion test for complete unit

Type Tests Relevant to items in Clause 5.2

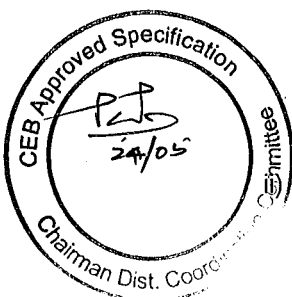
- i) For Piercing Connectors
 - (a) Mechanical tests
 - (b) Voltage and water tightness test
 - (c) Installation tests at Low temperature
 - (d) Climatic ageing test
 - (e) Corrosion test
 - (f) Electrical ageing test
 - (g) Temperature rise and over current tests

Type Tests Relevant to items in Clause 5.3

- i) For Pre-insulated Sleeves and Bi-metallic Lugs
 - (a) Mechanical tests
 - I. Crimping ability test
 - II. Tensile tests
 - (b) Voltage & water tightness test
 - (c) Installation tests at low temperature
 - (d) Current Carrying capacity
 - (e) Climatic ageing test, Electrical ageing test
 - (f) Corrosion test
 - (g) Endurance test under mechanical & thermal stresses

For Insulation Cap

- (a) Voltage and water tightness tests



- (b) Ageing test
- iii) Stainless Steel Strap and Buckle
 - (a) Mechanical loading test
 - (b) Chemical composition (manufacturer's mill certificate is acceptable)

Type Test Certificates should clearly indicate the relevant standard, Items concerned, showing the manufacturers identity, type No. /catalogue No. and basic technical parameters.

Test certificates referred to shall be from an **accredited independent testing laboratory acceptable to the CEB**. Proof of accreditation by a national/ international authority shall be forwarded with the offer. Test reports shall be complete including all the pages as issued by the testing authority. Type test reports shall be in English language. Parts of test reports shall not be acceptable.

8.2. Routine Test

While manufacturing each batch of equipment/item shall be subjected to the routine tests conforming to the standard specified and shall be furnished with the equipment.

8.3. Inspection

The Successful bidder shall make necessary arrangements for inspection by an Engineer appointed by the CEB and also to carry out in his presence necessary Acceptance tests on equipment and material. CEB may waive off the inspection with the condition of witnessing the acceptance tests by an independent testing authority acceptable to CEB. In such a situation a notice of waive off will be issued in advance to the supplier.

8.4. Acceptance Test

The following Acceptance /Sample test shall be witnessed by the engineer appointed by the CEB.

Acceptance/Sample Tests Relevant to items in Clause 5.1

- i) For Suspension, Large Angle and Tension Assembly,
 - (a) Mechanical Test
 - I. Tensile tests on brackets
 - II. tensile tests on sub-assemblies
 - III. Slippage test on the clamp of the suspension assemblies
 - (b) Voltage tests on sub-assembly suspension clamp & moveable link

Acceptance/Sample Tests Relevant to items in Clause 5.2

- i) For Insulation Piercing Connectors
 - (a) Voltage and water tightness test
 - (b) Temperature rise and over current tests
 - (c) Mechanical tests

Acceptance/Sample Tests Relevant to items in Clause 5.3

- i) For Pre-insulated Sleeves and Bi-metallic Lugs



- (a) Mechanical Tests;
 - (b) Voltage & water tightness test
 - (c) Current Carrying capacity
 - (d) Temperature Rise after crimping
- ii) For Insulation Cap
- (a) Voltage and water tightness test
- iii) Stainless Steel Strap and Buckle
- (a) Mechanical loading Test
 - (b) Chemical composition Test (manufacturer's mill certificate is acceptable).

9.0 SAMPLE STUDY

Two samples of all accessories offered shall accompany the bid to facilitate analysis and evaluation.

10.0 INFORMATION TO BE FURNISHED WITH THE OFFER

The selected bidder shall supply all relevant drawings, technical literature, hand books etc. in English, in order to facilitate proper installation.

Routine test certificates confirming to the clause 8.2 shall be furnished with the equipment.

The bid shall be accompanied with the following also,

- (a) English version of catalogues describing the equipment and indicating the type/model number.
- (b) Technical literature in English describing the constructional and operational features, relevant drawings, etc of the equipment.
- (c) The standard to which the goods have been manufactured and English version of the standard
- (d) Recommended current carrying capacity of the connectors, sleeves and lugs.
- (e) Dimensioned drawings of the conductor accessories.
- (f) Packing details.
- (g) Completed schedule of particulars as per annex A.
- (h) Type test certificates for the following items conforming to clause 8.1.
- (i) Documents to prove manufacturer's experience in accordance with Clause 7.1.
- (j) ISO 9001:2008 or latest Quality Assurance Certificate in accordance with clause 6.



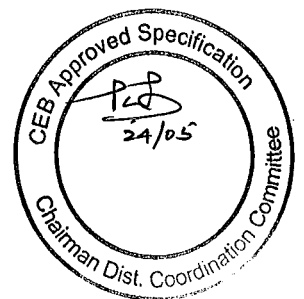
11.0 ANNEX

Annex –A: Schedule of Technical Requirements and Guaranteed Technical Particulars

Annex – B: Drawings

Annex – C: Non-Compliance Schedule

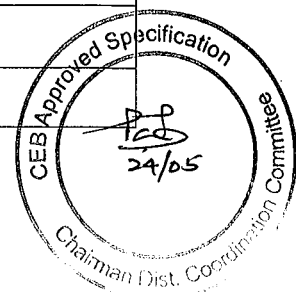
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SCHEDULE OF TECHNICAL REQUIREMENTS AND GUARANTEED TECHNICAL PARTICULARS

(Following Information shall be furnished with the offer for each different configuration required)

		CEB Requirement	Offered
1.	Name of manufacturer		
2.	Country of manufacture		
3.	Applicable Standards	As per clause 4.0	
4.	Material		
	(a) Suspension small angle assembly		
	I. Suspension bracket	Aluminium Alloy	
	II. Movable articulated link	Weather resistant insulating material	
	III. Suspension clamp	Weather resistant insulating material	
	IV. Binding straps	Polyamide as per clause 5.3.2	
	(b) Large angle / Dead End assembly		
	I. Binding straps	Polyamide as per clause 5.3.2	
	II. Tension bracket	Aluminium Alloy	
	III. Dead end clamp housing	Weather resistant insulating material	
	IV. Flexible braid	Stainless steel	
5.	Strength of		
	(a) Suspension clamp	daN	As per clause 5.1.1
	(b) Suspension bracket	daN	As per clause 5.1.1
	(c) Dead end assembly	daN	As per clause 5.1.2
	(d) Dead end bracket	daN	As per clause 5.1.2
	(e) Large angle assembly	daN	As per clause 5.1.3
	(f) Pre-insulated Sleeves after compression of;		
	I. Phase cable	daN	60% of conductor U.T.S
	II. Street lamp wire	daN	60% of conductor U.T.S
	III. Neutral messenger	daN	95% of neutral messenger U.T.S
6.	Current rating of the pre-insulated sleeves / bi metallic lugs		
	(a) Phase cable	A	
	(b) Street lamp wire (if applicable)	A	
	(c) Neutral messenger	A	
7.	Description of Dies : Across flat dimension of dies to be used for		
	(a) Phase cable	mm ²	17.3
	(b) Street lamp wire	mm ²	17.3
	(c) Neutral messenger	mm ²	14.0
8.	Piercing Connectors		
	(a) Current rating of the insulation piercing connectors	A	
	(b) Shear head torque		



9.	Whether a certified copy of ISO 9001:2008 or latest furnished with the offer?		As per clause 6	
10.	Whether information requested in clause 10 provided with the offer?	Yes/ No	As per clause 10	

.....
Signature and seal of the Manufacturer

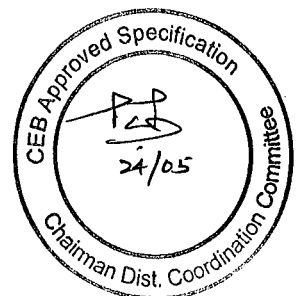
.....
Date

I/We certify that the above data are true and correct

.....
Signature and seal of the Bidder

.....
Date

Information Copy - Not for Bidding



Drawings

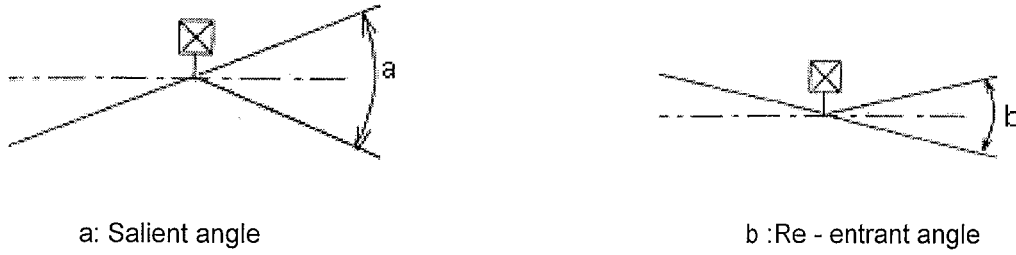


Figure 1: Salient angle and Re – entrant angle

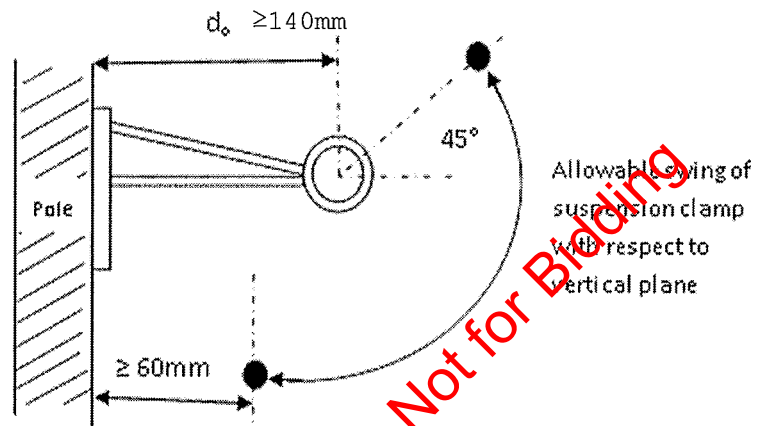


Figure 2: Suspension bracket

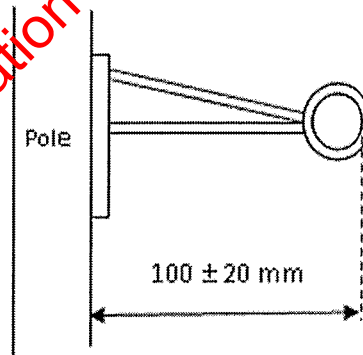


Figure 3: Tension bracket

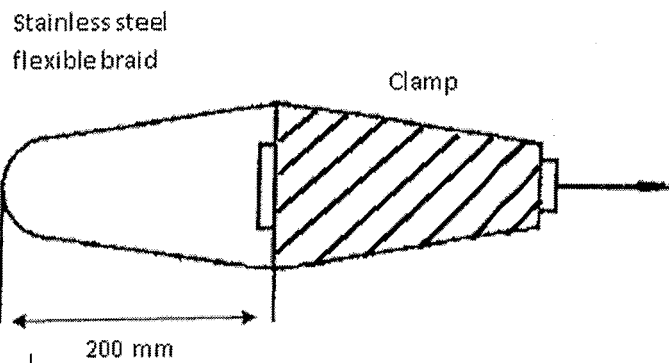
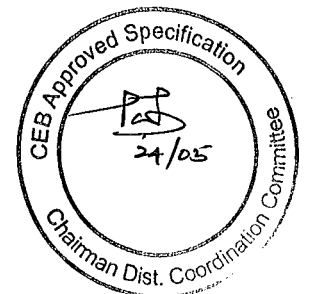


Figure 4: Tension clamp



Non-Compliance Schedule

On this schedule the bidder shall provide a list of non-compliances with this specification, documenting the effects that such non-compliance is likely to have on the equipment life and operating characteristics. Each non-compliance shall be referred to the relevant specification clause.

Clause No.	Non-Compliance
<p style="color: red; font-size: 2em; transform: rotate(-45deg); opacity: 0.5;">Information Copy - Not for Bidding</p>	

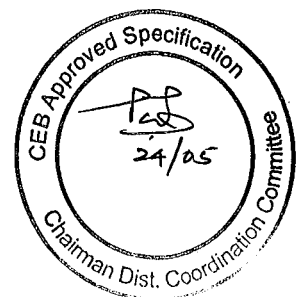
.....
Signature of the Manufacturer

.....
Date

I/We certify that the above data are true and correct

.....
Signature of the Bidder and seal

.....
Date





CEYLON ELECTRICITY BOARD

Schedule of Prices (Goods to be offered from outside Sri Lanka)

Bid No : DD3/P&D/ICB/2021/017/D

Bid for the Supply & Delivery of LV ABC Accessories

Appendix VI-A

(Applicable for goods to be offered from outside Sri Lanka only)

Item No	Description of Item	Total Quantity	Bid Currency	Part/ Model No of the offered item as stated in the catalogue	Unit FOB Price (in Bid Currency) , excluding VAT	Total FOB Price in Bid Currency excluding VAT		Total Freight to Colombo in Bid Currency		Local Agent's Commission, over and above FOB, excluding VAT, as a Percentage of FOB (%)	Total cost of Clearing, Handling and Transport Charges (in LKR)	
						In Figures	In Words	In Figures	In Words		SLPA & Shipping Line Charges and any other charges (excluding VAT)	Transport Charges from port exit to the places of delivery stated in the Bid Data Sheet, excluding VAT a) WPSII Provincial Stores at Kolonnawa b) Sabaragamuwa Provincial Stores at Opanayaka c) Uva Provincial Stores at Halletta
		Nos.	In Words	In Figures	In Figures	In Figures	In Words	In Figures	In Words	In Figures	In Figures	In Figures
1	Suspension Small Angle Assembly for Low Voltage ABC (for 70 sqmm Messenger wire)	1800										a) b) c)
2	Large Angle Assembly for Low Voltage ABC (for 70 sqmm Messenger wire)	600										a) b) c)
3	Dead End Assembly for Low Voltage ABC (for 70 sqmm Messenger wire)	750										a) b) c)
4	Pre Insulated Bimetallic Lugs for Low Voltage ABC (For 16 sqmm AAAC XLPE Insulated Conductor)	3000										a) b) c)
5	Pre Insulated Bimetallic Lugs for Low Voltage ABC (For 70 sqmm AAAC XLPE Insulated Conductor)	100										a) b) c)
6	Pre Insulated Bimetallic Lugs for Low Voltage ABC (For 95 sqmm AAAC XLPE Insulated Conductor)	600										a) b) c)
7	Insulation Cap (Terminal Cap) for Low Voltage ABC 95 sqmm	500										a) b) c)

Information Copy - Not for Bidding

<p>Discount (if any as a percentage of FOB):</p> <p>Total Amount of VAT claimed (Rs):</p> <p>VAT Registration No. :</p> <p>I/We agree to abide by the Conditions stipulated in the Bid No. DD3/P&D/ICB/2021/017/D</p> <p>.....</p> <p>Authorized Signatory of the Bidder</p> <p>Note : Authorization to sign on behalf of the bidder shall be attached with the bid.</p> <p>Name of the Signatory:</p> <p>Designation of the Signatory:</p> <p>Date of Signing:</p> <p>Official Stamp of the Signatory :</p>	<p>Details of Bid Security</p> <p>Bid Bond No:.....</p> <p>Amount:.....</p> <p>Bank:.....</p> <p>.....</p> <p>Signature of Witness 1</p> <p>Name of the Witness 1:</p> <p>Date of Signing :</p> <p>Address of Correspondence :</p> <p>.....</p> <p>Telephone :.....</p> <p>Facsimile :</p> <p>E-Mail :</p>	<p>Signature of Witness 2</p> <p>Name of the Witness 2:</p> <p>Date of Signing :</p> <p>Address of Correspondence :</p> <p>.....</p> <p>Telephone :.....</p> <p>Facsimile :</p> <p>E-Mail :</p>	<p>Details of the Bidder</p> <p>Name of the Bidder :</p> <p>.....</p> <p>Address of Correspondence :</p> <p>.....</p> <p>Telephone :.....</p> <p>Facsimile :</p> <p>E-Mail :</p>	<p>Details of the Manufacturer/s</p> <p>Name of the Manufacturer/s:</p> <p>.....</p> <p>Address of Correspondence :</p> <p>.....</p> <p>Telephone :.....</p> <p>Facsimile :</p> <p>E-Mail :</p>	<p>Details of the Local Agent</p> <p>Name of the Local Agent:</p> <p>.....</p> <p>Address of Correspondence :</p> <p>.....</p> <p>Telephone :.....</p> <p>Facsimile :</p> <p>E-Mail :</p>
<p>For the use of Bid Opening Committee:</p>					

FORM FOR APPLICATION FOR DOMESTIC PREFERENCE

The application of domestic preference appended below shall be filled by all local bidders of locally manufactured goods. Bidders shall submit the copies of documents such as proforma invoices issued by foreign input suppliers, quotations issued by input local raw material suppliers, custom declaration etc. in support of the following information. Bidders who fail to furnish the supporting documents in support of the information given below will not be considered for domestic preference. All foreign costs can be quoted in foreign currencies and all local costs shall be quoted only in Local currency.

Bid for the Supply & Delivery of

Bid No.

1.0	Total ex-works Price excluding VAT (as quoted in the schedule of prices, Appendix VI B)	
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Break up of ex-works Price

1.1	Total Foreign Cost	
1.1.1	Total FOB Cost of Foreign - inputs	
1.1.2	Total Cost of Freight of Foreign - inputs	
1.1.3	Total Cost of Insurance of Foreign - inputs	
1.2	Total Local Cost (excluding VAT paid of payable)	
1.2.1	Total Cost of input Local Raw Materials (excluding VAT paid of payable)	
1.2.2	Total Cost of input Local Labour	
1.2.3	Total Cost of any other input local components. (Please specify in detail)	

(Note : The sum of 1.2.1, 1.2.2 and 1.2.3 will be taken as the locally added value component for the computation of % local value addition)

Details of Foreign Costs

	Item Description & HS Code	Units	Quantity	Unit CIF Cost	Total CIF Cost	Supporting Document Reference
1.1						

Details of local Costs

	Item Description & HS Code	Units	Quantity	Unit Rate Rs.	Total Cost	Supporting Document Reference
1.2.1	Input Local Raw Materials					
1.2.2	Input Local Labour					
1.2.3	Any other input Local Components (Please specify in detail)					

I/We certify that the above information provided by me/us are true and correct. I/We authorize the Ceylon Electricity Board to verify the accuracy of those information from our suppliers.

Name & Address of the Bidder

Signature of the Bidder

Specimen form of Contract of Supply

CEYLON ELECTRICITY BOARD
CONTRACT NO:

THIS AGREEMENT made and entered into at Colombo on thisday of Two Thousand Twenty One between the Ceylon Electricity Board, a corporate body established under the Act No.17 of 1969 having its head office at No. 50, Sir Chittampalam A. Gardiner Mw., Colombo 02, Sri Lanka (hereinafter called "the Purchaser") of the ONE PART and(hereinafter called "the Supplier") of the OTHER PART.

WHEREAS the purchaser invited bids for Supply and Delivery of, and has accepted a Bid by the supplier for the supply of those goods in the sum of

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:-

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following Documents shall be deemed to form and be read and construed as part of this agreement viz.
 - a) The Form of Bid and the schedule of prices submitted by the bidder, dated
 - b) The schedule of guaranteed particulars submitted with the bid.
 - c) The Technical Specifications attached to bidding document.
 - d) The General Conditions(ICB) of the bidding Document.
 - e) The Special Conditions of the bidding document
 - f) The purchaser's notification of Award letter dated
 - g) The supplier's acceptance letter dated
 - h) The purchaser's notification of amended payment terms letter dated (If applicable)
 - i) The supplier's acceptance for the amended payment terms letter dated(If applicable)
3. In consideration of the payments to be made by the purchaser to the supplier as hereinafter mentioned, the supplier hereby covenants with the purchaser to provide the Goods and to remedy defects therein in conformity in all respects with the provisions of the contract.
4. The Purchaser hereby covenants to pay the supplier in consideration of the provision of the Goods and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract, at the times and in the manner prescribed by the Contract.

IN WITNESS WHEREOF, the parties hereto have caused their respective hands, Common Seals to this Agreement to be executed in accordance with the laws of Democratic Socialist Republic of Sri Lanka on the day and year first above written.

For and on behalf of the purchaser, signed sealed and delivered by the

.....
General Manager (Ceylon Electricity Board)

Witnesses,

1..... 2.....

For and on behalf of the supplier, signed , sealed and delivered by the ,

.....
Authorised Representative of the Supplier.

Witnesses,

1. 2.

