

ANDREW YULE & COMPANY LIMITED
(A Government of India Enterprise)
Electrical Division, Chennai Operation
5/346 OLD MAHABALIPURAM ROAD
PERUNGUDI, CHENNAI: 600 096

TENDER DOCUMENTS FOR RATE CONTRACT FOR SUPPLY OF CRGO LAMINATION CUT AS PER OUR DRAWING

ANDREW YULE & CO. LTD. invites e-Tender under single stage two part system (**Part I: Techno-Commercial Bid and Part II: Price Bid**) from bona fide and reputed **Company/Firm** for finalizing rate contract for supply of CRGO Laminations cut as per our drawings , "**Scope of Work / Technical Specification**" as specified in this tender document.

Tender document may be downloaded from MSTC website www.mstcecommerce.com/eprochome/aycl. Corrigenda or clarifications, if any, shall be hosted on the above mentioned websites only.

AYCL reserves the right to accept or reject any tender.

CRGO Laminations cut as per our drawings as per the following details.

Sl. No	Description	Item No 1	Item No 2	Item No 3
1	Required Loss	0.84 W / Kg at 1.5 T, 50 Hz	0.74 W / Kg at 1.5 T, 50 Hz	0.65 W / Kg at 1.5 T, 50 Hz
2	Thickness	0.27 mm	0.27 mm	0.23 mm
3	Quantity	97 MT Approx	290 MT Approx	37 MT Approx

The quantity mentioned in the Tender is our approximate requirement up to 30.06.2019.

The different grades and quantity of CRGO lamination mentioned in the tender is based on our estimated requirement, while releasing order based on actual requirement the quantity against a grade may change but the overall tender value will remain same.

The quantities mentioned are indicative only and the order will be released based on actual requirement.

Andrew Yule reserves the right to increase the tender quantity by 30 %.

Price quoted should be FOR destination.

The company reserves the right to reject any tenderer based on their past performance.

Schedule of Tender

1.	TENDER NO.	<u>T-19/2018-19</u>
2.	MODE OF TENDER	e-Procurement System Online submission of Part I - Techno-Commercial Bid and Part II - Price Bid through www.mstcecommerce.com/eprochome/aycl The intending bidders are required to submit their offer electronically through this e-tendering portal. No physical tender is acceptable by AYCL/MSTC
3.	E-Tender No. / Event No.	AYCL/Electrical Division CO/47/18-19/ET/302
4.	Date of publication of e-Tender through publication MSTC/AYCL websites and Central Public Procurement Portal	20.11.2018
5.	Date of availability of NIT to the Vendors for downloading	20.11.2018
6.	Earnest Money Deposit	<ul style="list-style-type: none"> • "Earnest Money Deposit" of Rs.50,000 (Rupees Fifty Thousands only) should be paid by thro' NEFT/RTGS • Other document as described in Annexure II & IIA
7	Date of Starting of e-Tender for submission of Online Techno-Commercial Bid and Price Bid at www.mstcecommerce.com/eprochome/aycl	20.11.2018 -6.00 PM
8	Date of closing of Online e-tender for submission of Techno-Commercial Bid & Price Bid at www.mstcecommerce.com/eprochome/aycl	05.12.2018 -11.00 AM
9	Last date of submission/ uploading details of EMD & other documents at www.mstcecommerce.com/eprochome/aycl	05.12.2018 -11.00 AM
10	Date & time of opening of Part-I (Techno-Commercial Bid)	05.12.2018 – 11.15 AM
11	Date & time of opening of Part-II (Price Bid)	To be intimated to the eligible vendor separately by email.

List of Annexure

Important Instructions for E-procurement -	Annexure-I
Terms & Conditions-	Annexure-II
Online Techno commercial terms	Annexure-III
General Terms& Conditions	Annexure-IV
Price Sheet	Annexure-V
Specification	Annexure -VI

Important Instructions for E-procurement

This is an e-procurement event of ANDREW YULE & COMPANY LTD Ltd.

You are requested to read the Terms & Conditions (Annexure- II,III,IV) of this tender before submitting your online tender. Tenderers who do not comply with the Conditions with documentary proof (wherever required) will not qualify in the Tender for opening of Price Bid.

1. Process of E-tender:

A) **Registration:** The process involves vendor's registration with MSTC e-procurement portal which is free of cost. Only after registration, the vendor(s) can submit his/their bids electronically. Electronic Bidding for submission of Techno-Commercial Bid as well as Price Bid over the internet will be done. The Vendor should possess Class III signing type Digital Signature Certificate. Vendors are to make their own arrangement for bidding from a PC connected with Internet. MSTC is not responsible for making such arrangement. (Bids will not be recorded without Digital Signature).

SPECIAL NOTE: THE PRICE BID AND THE COMMERCIAL BID HAS TO BE SUBMITTED ON-LINE AT www.mstcecommerce.com/eprochome/aycl

1) Vendors are required to register themselves online with www.mstcecommerce.com → e-Procurement → PSU / Govt. depts. → Register as Vendor under AYCL- Filling up details and creating own user id and password → Submit.

2) Vendors will receive a system generated mail confirming their registration in their email which has been provided during filling the registration form.

In case of any clarification, please contact MSTC/AYCL (before the scheduled time of the e-Tender).

Contact person (ANDREW YULE & COMPANY LTD):

1. Mr. A T E Pandian
Manager (Materials)
Ph. No: (044) 2496-0793
Email: atepandian@andrewyule.com

2. Mr Kingsley Rueben
Technical Assistant (EDP)
Mobile No: 91 9884446378
Email: reuben@andrewyule.com

3. Mr. R. Tamilselvan
Engineer (Materials)
Mobile. No: 91 9788520864
Email: tamilselvan@andrewyule.com

Contact person (E-Commerce, MSTC Ltd):

1. Mr. Vikash Kumar Jaiswal

Regional Manager (ERO)

MobileNo:9903042449

Email: vikash@mstcindia.co.in

2) Mr. Pritambiswas

Assistant Manager (ERO)

Mobile- 9903248755

Email: pbiswas@mstcindia.co.in

3) Mr. Mayank Jain

Assistant Manager (ERO)

Mobile- 9721277969

Email: mhjain@mstcindia.co.in

Help Desk No.: 033 22901004, will operate on all working days from 10 AM to 6PM for online support to the vendors

System Requirement:

- i) Windows XP-SP3 or above / Windows 7 Operating System
- ii) IE-7 or above Internet browser.
- iii) Signing & Encryption type digital signature
- iv) JRE 7 update 79 software to be downloaded and installed in the system. Security level should be medium
- v) To enable ALL active X controls and disable 'use pop up blocker' under Tools → Internet Options → custom level (Please run IE settings from the page www.mstcecommerce.com once)

4. Part-I: Uploading of EMD & other Documents:

Within specified Date & time the vendor must submit the documents as per the annexure. (Annexure II & II (A)) at www.mstcecommerce.com/eprochome/aycl

Bidding in e-Tender:

- a. No interest will be paid on EMD. EMD of the unsuccessful bidder(s) will be refunded by ANDREW YULE & COMPANY LTD. EMD to be paid along with the Document within the last date as mentioned in SOT.
- b. The process involves Electronic Bidding for submission of Techno Commercial Bid as well as Price Bid.
- c. The bidder(s) should submit their Techno Commercial Bids, upload payment details of tender fee, EMD & other documents and Price Bid through online in MSTC website www.mstcecommerce.com → e-procurement → Psu / Govt depts. → click Andrew Yule & Co Ltd → Login as vendor → My Menu → Auction Floor Manager → live event → Selection of the live event.

- d. The bidder should allow to run an application namely enApple by accepting the risk and clicking on run. This exercise has to be done twice immediately after opening of Bid floor. Then they have to fill up Common terms /Commercial specification and save the same. After that clicking on the Techno-Commercial bid, if this application is not run then the bidder will not be able to save / submit his Techno-Commercial bid.
- e. After filling the Techno-Commercial Bid, bidder should click 'save' for recording their Techno-Commercial bid. Once the same is done, the Price Bid link becomes active and the same has to be filled up and then bidder should click on "**Save**" to record their Price Bid. Then once both the Techno-Commercial bid & Price Bid has been saved, the bidder can click on the "**Submit**" button to register their bid.
- f. Vendors are instructed to use link in **My Menu** to **Upload Documents** in document library. Multiple documents can be uploaded. Maximum size of single document for upload is 5 MB.
- g. Once documents are uploaded in the library, vendors can attach documents through *Attach Document* link against the particular tender. For further assistance, please follow instructions of vendor guide.
- h. In all cases, bidder should use their own ID and Password along with Digital Signature at the time of submission of their bid.
- g. During the entire e-tender process, the bidders will remain completely anonymous to one another and also to everybody else.
- h. The e-tender floor shall remain open from the pre-announced date & time and for as much duration as mentioned above.
- i. Techno-Commercial bid will be opened electronically on specified date and time as given in the NIT. Bidder(s) can download Technical Comparative statement.
- j. Price bid will be opened electronically on specified date and time given in the NIT. Bidder(s) can download Price Comparative statement.
- k. All entries in the tender should be entered in online Technical & Commercial Formats without any ambiguity.
- l. All electronic bids submitted during the e-tender process shall be legally binding on the bidder. Any bid will be considered as the valid bid offered by that bidder and acceptance of the same by the Buyer will form a binding contract between Buyer and the Bidder for execution of supply. Such successful tenderer shall be called hereafter **SUPPLIER**.
- m. It is mandatory that all the bids are submitted with Digital Signature Certificate otherwise the same will not be accepted by the system.
- n. Buyer reserves the right to cancel or reject or accept or withdraw or extend the tender in full or part as the case may be without assigning any reason thereof.
- o. No deviation of the terms and conditions of the tender document is acceptable. Submission of bid in the e-tender floor by any bidder confirms his acceptance of terms & conditions for the tender.

- p. Unit of Measure (UOM) is indicated in the e-tender Floor. Rate to be quoted should be in Indian Rupee as per UOM indicated in the e-tender floor/tender document.

E-tender cannot be accessed after the due date and time mentioned in NIT.

All notices / corrigendum and correspondence to the bidder(s) shall be sent by email only during the process till finalization of tender by ANDREW YULE & COMPANY LTD/MSTC LTD. Hence the bidders are required to ensure that their corporate email I.D. provided is valid and updated at the stage of registration of vendor with MSTC. Bidders are also requested to ensure validity of their DSC (Digital Signature Certificate).

Any order resulting from this open e-tender shall be governed by the terms and conditions mentioned therein.

No deviation to the technical and commercial terms & conditions are allowed.

ANDREW YULE & COMPANY LTD has the right to cancel this e-Tender without assigning any reason thereof.

The online tender should be submitted strictly as per the terms and conditions and procedures laid down in the website www.mstcecommerce.com/eprochome/aycl of MSTC Ltd.

The bidders must upload all the documents required as per terms of NIT. Any other document uploaded which is not required as per the terms of the NIT shall not be considered.

The bid will be evaluated based on the filled-in technical & commercial formats.

Bidders are requested to read the vendor guide and see the video in the page www.mstcecommerce.com/eprochome/mstc of MSTC Ltd. to familiarize them with the system before bidding.

**ANDREW YULE & COMPANY LIMITED
Electrical Division, Chennai Operation**

General Information

Ref. Tender No.: T-19/18-19

(This document should be uploaded along with EMD)

(Those who have participated & qualified in earlier tender no T-18/17-18 / T-07/18-19 need not upload)

The applicants are required to furnish full information to the queries included in this form. In giving the particulars, the supporting documents/certificates as called for per queries at places, must be tagged with the application for evidencing the information furnished in the application.

1. Name of the firm in full :

2. Address, Telephone No.,

Fax No. & E-mail :

a) Address :

b) Telephone No. :

c) Fax No. :

d) E-mail ID :

3. Status of the organization :

4. Trade License No.

**(Please attach a photo
copy of the license) :**

5. Banker's name

(a) Name of the Bank :

(b) Name of the Branch :

(c) Account No. :

Note : A copy of Banker's Certificate to be attached.

6. GST Registration No.

7. I. T. Permanent Account No.:

8. Financial Capacity : Year (2017-18)

(a) Fixed capital :

(b) Working capital :

I/we hereby certify that the particulars furnished by me/us above are true to the best of my / our knowledge and belief and mis-representations of facts will render me/us liable to my/our action as may be deemed fit by Andrew Yule & Co. Ltd. (Chennai Operation) & have the sole discretion to reject or accept my/our candidature.

(Signature of the Applicant)
Office Stamp/Seal.

Place :

Date ;

List of attachments:

The following documents are to be uploaded online at
www.mstcecommerce.com/eprochome/aycl

1. EMD Rs: 50,000/= *

* Bidder may request for exemption from submitting EMD (Refer details given in SI No 1 of terms & condition).

2. Tender fee Rs: 200 /= by RTGS/NEFT

*Bidders participating in the tender should upload the UTR details towards cost of tender document.

3. Customer List.

4. Copies of purchase orders & Performance Certificate from at least three reputed transformers manufacturers for having supplied CRGO for transformers above 10 MVA rating during the year 2017-18. Offers received without copies of performance certificate will be rejected.

5. Balance sheets and P&L Account. (2014-15, 2015-16& 2016-17)

•
**Those who have participated and qualified in our earlier tender no T-18/17-18 or T-07/18-19 and submitted their price bids online need not submit the document pertaining to SI No 3, 4 and Annexure II (General Information) and for SI No 5, balance sheet (P&L A/c) for 2016-17 only needs to be uploaded.

OFFERS RECEIVED WITHOUT ANY OF THE ABOVE WILL BE REJECTED

Our Bank details for making RTGS payment.

Bank Name and Address	ALLAHABAD BANK CHENNAI ADYAR BRANCH 19,1ST STREET, PADMANABHA NAGAR CHENNAI 600 020
IFSC Code	ALLA0211103
Account No	20276303182
Account Name	ANDREW YULE & COMPANY LIMITED

TECHNO-COMMERCIAL TERMS FOR CRGO LAMINATION
(To be filled online in mstc portal).

SL.NO	TERMS & CONDITIONS	VENDOR RESPONSE
01	<p>REQUIREMENT <i>E-Tender offers are invited for entering into Rate Contract for supply of Transformer CRGO Laminations cut as per our drawings as per the following details.</i> Item No 1 a) Required Loss: 0.84 W / Kg at 1.5 T, 50 Hz. b) Thickness : 0.27 mm c) Quantity : 97 MT Approx</p> <p><i>The quantity mentioned in the Tender is our approximate requirement up to 30.06.2019. Andrew Yule reserves the right to increase the tender quantity by 30%.</i></p>	AGREE
02	<p>Item No 2 a) Required Loss: 0.74 W / Kg at 1.5 T, 50 Hz. b) Thickness : 0.27 mm c) Quantity : 290 MT Approx</p> <p><i>The quantity mentioned in the Tender is our approximate requirement up to 30.06.2019. Andrew Yule reserves the right to increase the tender quantity by 30%.</i></p>	AGREE
03	<p>Item No 3 a) Required Loss: 0.65 W / Kg at 1.5 T, 50 Hz. b) Thickness : 0.23 mm c) Quantity : 37 MT Approx</p> <p><i>The quantity mentioned in the Tender is our approximate requirement up to 30.06.2019. Andrew Yule reserves the right to increase the tender quantity by 30%.</i></p>	AGREE
04	VALIDITY OF OFFER: <i>The offer should be valid for acceptance for a minimum period of 90 days from the date of tender opening</i>	AGREE
05	<i>The price quoted should be firm for supplies up to 30.06.2019</i>	AGREE
06	<i>Andrew Yule reserves the right to reject any or all the tenders without assigning any reason.</i>	AGREE
07	<p>Distribution of Tender quantity among all the qualified bidders. Negotiated L1 price will be offered to other bidders whose price bid was opened. The tender quantity will be split among bidders as follows. a) If only one bidder (among L2, L3, L4, L5, L6, etc) agrees to match the</p>	AGREE

	<p>negotiated L1 bidder's price then tender quantity will be split as follows L1 bidder will get 70 % of Tender quantity Other bidder who agreed to match the negotiated L1 price will get 30 % of Tender quantity b) If two bidders (among L2, L3, L4, L5, L6, etc) agree to match the negotiated L1 bidder's price then Tender quantity will be split as follows L1 bidder will get 60 % of Tender quantity Next higher bidder than L1 bidder who agrees to match the negotiated L1 price (Bidder 'A') will get 25 % of Tender quantity Next higher bidder than Bidder 'A' who agrees to match the negotiated L1 price will get 15 % of Tender quantity. c) If more than 2 bidders (among L2, L3, L4, L5, L6, etc) agree to match the negotiated L1 bidder's price then L1 bidder will get 51 % of Tender quantity and balance will be distributed among other bidders based on their position (L2,L3,L4 etc) d) If none of the other bidders whose price bid was opened agree to match the negotiated L1 price Andrew Yule reserves the right to order the entire Tender quantity on the L1 bidder. The different grades and quantity of CRGO lamination mentioned in the tender is based on our estimated requirement, while releasing order based on actual requirement the quantity against a grade may change but the overall tender value will remain same.</p>	
08	<p>MAX. GUARANTEED THICKNESS CORE LOSS mm Item No 1) 0.84 watt/per kg at 1.5 Tesla and 50 Hz. 0.27</p>	AGREE
09	<p>MAX. GUARANTEED THICKNESS CORE LOSS mm Item No 2) 0.74 watt/per kg at 1.5 Tesla and 50 Hz. 0.27</p>	AGREE
10	<p>MAX. GUARANTEED THICKNESS CORE LOSS mm Item No 3) 0.65 watt/per kg at 1.5 Tesla and 50 Hz. 0.23</p>	AGREE
11	A copy of Mill certificate should be send along with each consignment and the TC should have the Mill certificate reference	AGREE
12	The CRGO Transformer Laminations cut as per Andrew Yule drawing ordered will be for transformer ranging from 5 MVA TO 50 MVA.	AGREE
13	Tolerance of the quantity should be limited to 0.5%	AGREE
14	CRGO laminations should be as per Andrew Yule drawing, which will be issued from time to time.	AGREE
15	The CRGO laminations will be tested at Andrew Yule end after assembly and if the core loss is found to be more, the CRGO laminations will be rejected. All dimensions and tolerance should be as per Andrew Yule drawing.	AGREE
16	Material should be supplied as per our specification No. SMM 101 rev.0(Fourth Issue) and will be inspected as per Andrew Yule inspection plan no. QAP 105 Rev.0	AGREE
17	Packing should be done properly to avoid any transit damage and the maximum weight per pallet shall be limited to 2 Tons. The stacking of the lamination should be done as per our drawing.(typical drawing is enclosed)	AGREE

18	AYCL reserve the right to inspect the coil in the original packed condition, witness the slitting and cutting and other manufacturing process of the manufacture. As and when needed AYCL customer's representative also will inspect / witness as above.	AGREE
19	Security Deposit - The EMD amount of the successful Bidder will be retained as security deposit towards the execution of the order and the same will be released after completion of order.	AGREE
20	Liquidated damage - If the delivery is delayed beyond the date of scheduled date of dispatch in the purchase order, penalty will be levied @ 1/2% per week subject to a maximum of 5%.	AGREE
21	Risk purchase clause: Andrew Yule reserve the right to impose risk purchase clause as " For delay in execution / supply we shall have every right to do the same through some other agency/s which shall deemed fit and the additional cost of the same (Incidental/Consequential) shall be to your account which with respect to our intimation or observation whatsoever.	AGREE
22	Legal condition: Any contract entered against this tender will be as per the following legal condition, It is recorded that this purchase order / contract / agreement is executed and concluded by and between the parties hereto at premises No.5/346, Old Mahabalipuram Road, Perungudi, Chennai 600 096 and in the event any dispute arises out of this agreement between the parties only the appropriate Civil Court in the City of Kolkata shall have the exclusive jurisdiction to entertain, try and determine the said proceedings in exclusion of all other courts. .	AGREE
23	Andrew Yule reserves the right to increase the tender quantity by 30 %.	AGREE
24	The price quoted should be for free delivery at our Perungudi works Andrew Yule, Chennai. (Inclusive of P&F, Freight and Insurance)	AGREE
25	The credit period will start from the date of receipt of material at Andrew Yule, Perungudi, Chennai.	AGREE
26	Copies of purchase orders & Performance Certificate from at least three reputed transformers manufacturers for having supplied CRGO for transformers above 10 MVA rating during the year 2017-2018. Offers received without copies of performance certificate will be rejected *Those who have participated and qualified in our earlier tender no T-18/17-18 or T-07/18-19 need not upload the document and should mention exempted.	Remarks Field
27	Bidders should have a minimum turnover of Rs.30 crores per annum, Balance sheets and P&L Account. (2014-15, 2015-16 & 2016-17) *Those who have participated and qualified in our earlier tender no T-18/17-18 or T-07/18-19, balance sheet (P&L A/c) for 2016-17 only needs to be uploaded.	Remarks Field
28	Reverse Auction (RA): The tender will be finalized by reverse auction. The bidders participating in the tender has to submit their bid online. The L1 price among the qualified bidder will be taken as the starting price for the RA. The starting price and bid decrement will be announced before start of online reverse auction. The qualified bidders can thereupon start bidding in an iterative process wherein the lowest bidder at any given moment can be displaced by an even lower bid of a competing bidder, within a given time frame. The bidding is with reference to the current lowest bid in the reverse	Remarks Field

	<p>auction. All bidders will see only the current lowest quoted price. More than one bidder cannot give an identical price, at a given instant, during the reverse auction (i.e.) there shall never be a tie in the bids.</p> <p>Confirm your acceptance of participating in the reverse auction.</p>	
29	<p>PAYMENT TERMS: -Direct Credit</p> <p>In case it is agreed fill 30 with number of days of direct credit otherwise fill 30 with 0</p>	Remarks Field
30	<p>Please indicate the number of days of direct credit.</p> <p>(Andrew Yule payment term is minimum 90 days direct credit. If the offered payment terms is less than 90 days, bids will be opened at the sole discretion of Andrew Yule & price will be loaded as per Andrew Yule norms)</p>	Remarks Field
31	<p>PAYMENT TERMS: - Against L/c</p> <p>Bidders, who wish to quote with L/c, fill AGREE IN 31& fill 33 with number of days of credit.</p> <p>Bidders, who have filled agreed in 29 and filled credit days in 30 should fill Disagree in 31 and fill 33 with 0</p>	Remarks Field
32	<p>If L/c payment term is selected then the L/c opening charges will be to the bidders account.</p>	AGREE
33	<p>Please indicate the number of days of credit against L/c.</p> <p>(Andrew Yule payment terms is minimum 90 days direct credit. For bidders offering L/c payment terms, bids will be opened at the sole discretion of Andrew Yule & price will be loaded as per Andrew Yule norms)</p>	Remarks Field
34	<p>If a bidder select AGREE in both 29&31, their offer will not be accepted</p>	AGREE

GENERAL TERMS AND CONDITIONS

1. EMD: Rs.50,000/- (Rupees Fifty Thousand only) by way of RTGS/NEFT.

For bidders already enlisted with AYCL- Chennai Operation, having outstanding amount more than the EMD amount or who have already submitted the EMD against our earlier tenders or those who have security deposit with Andrew Yule may apply for adjustment of the same. The total EMD should be Rs: 50,000/=

Bidders who are MSMED units may apply for exemption from furnishing EMD by making a specific request in writing and attaching the necessary document in support of the same.

Bidders whose turnover is more than Rs: 50 crores may apply for exemption from furnishing EMD by making a specific request in writing and attaching the necessary document in support of the same.

If reason for non-submission of EMD or adjustment against the outstanding balance for EMD is not mentioned in Techno-commercial bid of tender, the tender will be rejected.

2. THE RIGHTS OF THE COMPANY.

Bidders who have quote other payment terms & condition having financial implication will be loaded as per Andrew Yule's norms.

We reserves the right to accept or reject any or all the tenders or to waive any informality, minor deviation or omission without assigning any reasons whatsoever.

Short Closure of Rate Contract: AYCL reserves the right to short close the rate contract at any point of time during validity of the contract with suitable prior notice to the bidders / vendors

3. Distribution of Tender quantity among all the qualified bidders.

Negotiated L1 price will be offered to other bidders whose price bid was opened. The tender quantity will be split among bidders as follows.

a) If only one bidder (among L2, L3, L4, L5, L6, etc) agrees to match the negotiated L1 bidder's price then tender quantity will be split as follows L1 bidder will get 70 % of Tender quantity

Other bidder who agreed to match the negotiated L1 price will get 30 % of Tender quantity

b) If two bidders (among L2, L3, L4, L5, L6, etc) agree to match the negotiated L1 bidder's price then Tender quantity will be split as follows L1 bidder will get 60 % of Tender quantity

Next higher bidder than L1 bidder who agrees to match the negotiated L1 price (Bidder 'A') will get 25 % of Tender quantity Next higher bidder than Bidder 'A' who agrees to match the negotiated L1 price will get 15 % of Tender quantity.


c) If more than 2 bidders (among L2, L3, L4, L5, L6, etc) agree to match the negotiated L1 bidder's price then L1 bidder will get 51 % of Tender quantity and balance will be distributed among other bidders based on their position (L2,L3,L4 etc)

d) If none of the other bidders whose price bid was opened agree to match the negotiated L1 price Andrew Yule reserves the right to order the entire Tender quantity on the L1 bidder.

PRICE FORMAT FOR SUPPLY OF CRGO LAMINATION

Material	Quantity	BASIC PRICE PER METRIC TON (Including Packing, Forwarding, Freight & Insurance) (Rs/MT)	IGST (%) (If not applicable please enter Zero)	CGST (%) (If not applicable please enter Zero)	SGST (%) (If not applicable please enter Zero)	Landed cost per MT (In Rs)
	MT	A	B	C	D	Landed Cost =a
0.84 W / Kg at 1.5 T, 50 Hz. 0.27 mm thk	97 MT					
0.74 W / Kg at 1.5 T, 50 Hz. 0.27 mm thk	290 MT					
0.65 W / Kg at 1.5 T, 50 Hz. 0.23 mm thk	37 MT					

Your offer should be for Rate/ MT

	ANDREW YULE & CO. LTD. T & S UNIT, CHENNAI.		SPEC No. SMM 101	
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SPECIFICATION FOR C.R.G.O STEEL
(PART I)

PART I :: Applicable for CRGO steel sheets/coils
PART II :: Applicable for CRGO steel cut laminations

PART I

I. GENERAL REQUIREMENT:

Type : Cold rolled grain oriented silicon Steel sheets/coils

Application : For transformer core lamination

II. SPECIFICATION :

a. Reference Standard : BS 601 (Part 2)/1973

b. Material composition : CRGO sheet in coil/sheet from having silicon content of 3 % approx.

c. Material characteristics : The required characteristics are as follows:

Characteristics	Unit	Required value	Tolerance
i) Thickness of lamination	mm	As per P.O	+/- 0.03 mm
ii) Specific core-loss	W/Kg	As per SPT 113	Max
iii) Density of lamination	g/cc	7.65 approx.	
iv) Condition of surface		Surface shall be free of Waviness, oil & grease deposits.	
v) Resistance to surface Coating		The sheet shall be uniformly coated with insulation & shall be suitable for annealing at 800 degree C.	

III. TESTS:
Test certificate indicating specific loss for each coil shall be furnished.

IV. PACKING:
Packing should be sea worthy. Material should be first protected by weather proof paper covering & further by sheet metal packing on all sides, strapped and installed on wooden skids in vertical position for container shipment. In case of bulk on board consignment, the coil shall be protected by suitable wooden reapers.

V. DOCUMENTS :
Test certificate should accompany each consignment

0	Fourth Issue:	R. Subath	20-7-13	
Revision	Description	Prepared	Approved	Date



ANDREW YULE & CO. LTD.
T & S UNIT, CHENNAI.

SPEC No. SMM 101

PAGE No. 2. OF 2

PART II : Applicable for CRGO steel cut laminations

I. GENERAL REQUIREMENT:

Type : Cold rolled grain oriented silicon steel
Laminations cut to size as per our drg.
All dimensions shall be as per our drg.

II. SPECIFICATION :

Material characteristics :: The required characteristics are as follows:

Characteristics	Unit	Required value	Tolerance
i) Thickness of lamination	mm	AS per P.O	+/- 0.03 mm
ii) Condition of surface		Surface shall be free of waviness, oil & grease deposits.	
iii) Edge burr	mm	0.025	Max

III. TESTS:

Test certificate indicating dimensional check carried out shall be furnished.

IV. PACKING:

Core lamination shall be packed with weather proof cover and strapped to wooden pallets/case not exceeding 1500 kgs per pallet/case for ease in handling. Care shall be taken to protect the stacked laminations at the places of strapping.

Each pallet shall contain a packing slip incorporating the following :

1. Size
2. Quantity in kgs (Nett and gross) each step.
3. Reference Drg. no.
4. Our F.O.NO.
- 5.

V. DOCUMENTS :

Test certificate should accompany each consignment

VI. ACCEPTANCE CRITERIA :

As per SPT 113 (For Internal use only)

0	Fourth Issue	<i>[Signature]</i>	<i>[Signature]</i>	20-7-13
Revision	Description	Prepared	Approved	Date





ANDREW YULE & CO. LTD.
T & S UNIT, MADRAS.

SPEC. No. SPT 113

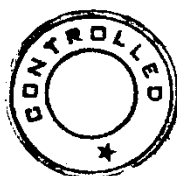
PAGE NO. 1 OF 1

SPT 113

I. ACCEPTANCE CRITERIA FOR CRGO CUT LAMINATION FOR SPEC.NO. SMM 101

SL.NO	CHARACTERISTICS	UNIT	REQUIRED VALUE	TOLERANCE
01	Core loss at 1.5T at 50 Hz	w/kg	0.89	MAX
02	Length	mm	As per Drawing	UP TO 1000: -0.5 ABOVE 1000: -1.0
03	Width	mm	As per Drawing	UP TO 500: -0.3 ABOVE 500: -0.5
04	Thickness	mm	As per Drawing	+/-0.03
05	Hole Dia	mm	As per Drawing	+0.5

1	Tolerance for Length & Width added		(82)	23-11-02
0	FIRST ISSUE	K. H.	(82)	10-1-97
Revision	Description	Prepared	Approved	Date



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MADRAS 600 096.



MATERIAL INSPECTION PLAN

QAP - 105

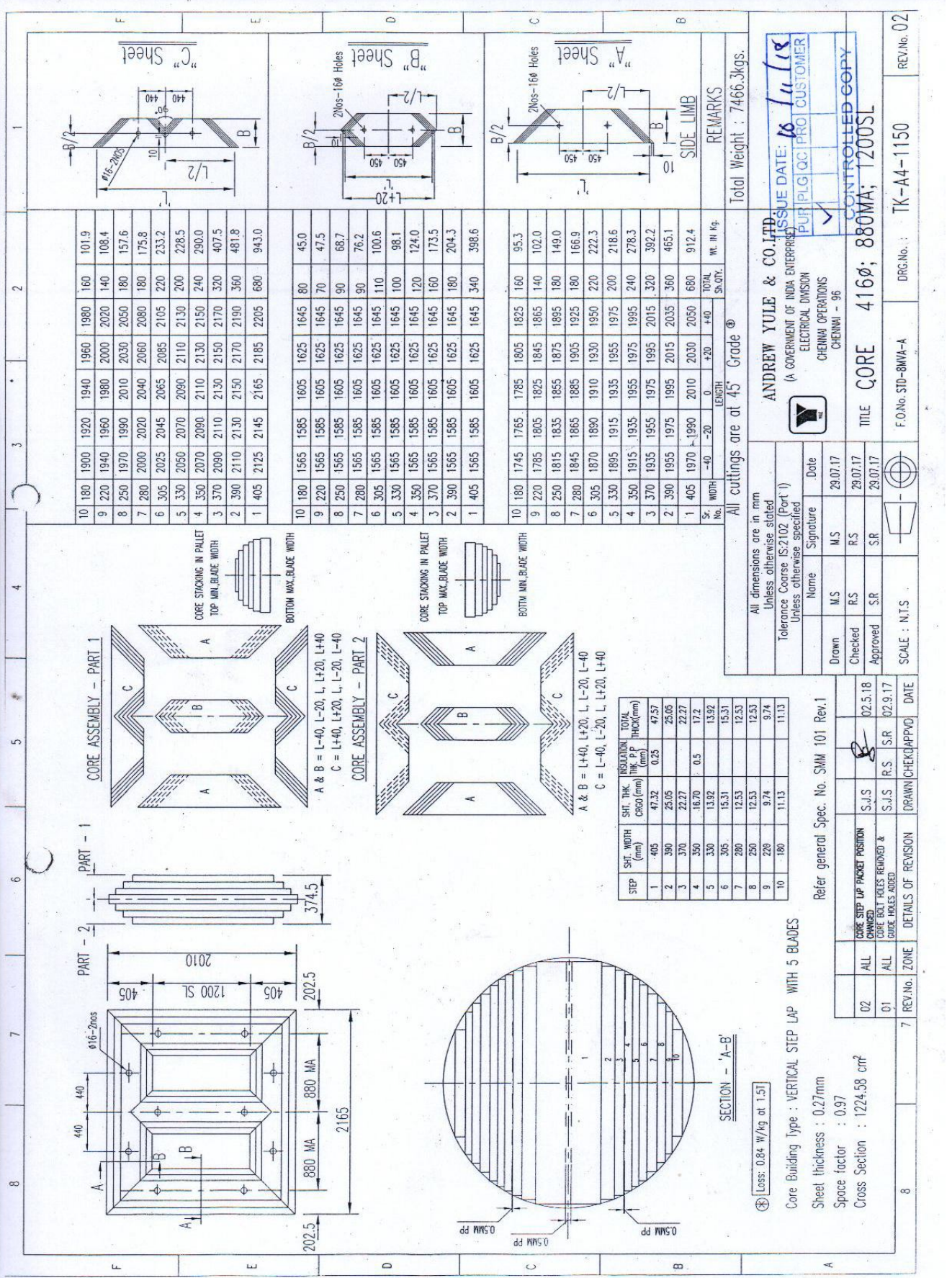
CIRGO Silicon Steel Laminations

Method of Inspection :

1. Verification of manufacturer's test certificates for the following parameters:
 - a) Dimensions.
 - b) Watt loss.
2. Checks on the material at our works.
 - a) Dimension on one sample of each size.

Prepared by : B. Muthuman
Designation : A M - QC
Date : 30/8/95

Approved by :
Designation : D M - QC
Date : 30/8/95



CORE ASSEMBLY - PART 1		CORE ASSEMBLY - PART 2	
A & B = L-40, L-20, L, L+20, L+40 C = L+40, L+20, L, L-20, L-40		A & B = L+40, L+20, L, L-20, L-40 C = L-40, L-20, L, L+20, L+40	

10	180	1565	1585	1605	1625	1645	80	45.0
9	220	1565	1585	1605	1625	1645	70	47.5
8	250	1565	1585	1605	1625	1645	90	68.7
7	280	1565	1585	1605	1625	1645	90	76.2
6	305	1565	1585	1605	1625	1645	110	100.6
5	330	1565	1585	1605	1625	1645	100	98.1
4	350	1565	1585	1605	1625	1645	120	124.0
3	370	1565	1585	1605	1625	1645	160	173.5
2	390	1565	1585	1605	1625	1645	180	204.3
1	405	1565	1585	1605	1625	1645	340	398.6

10	180	1745	1765	1785	1805	1825	160	95.3
9	220	1785	1805	1825	1845	1865	140	102.0
8	250	1815	1835	1855	1875	1895	180	149.0
7	280	1845	1865	1885	1905	1925	180	166.9
6	305	1870	1890	1910	1930	1950	220	222.3
5	330	1895	1915	1935	1955	1975	200	218.6
4	350	1915	1935	1955	1975	1995	240	278.3
3	370	1935	1955	1975	1995	2015	320	392.2
2	390	1955	1975	1995	2015	2035	360	465.1
1	405	1970	1990	2010	2030	2050	660	912.4

Sr. No.	WIDTH	LENGTH	WE. IN Kg.
	-40	-20	0
	0	+20	+40
TOTAL			

REMARKS: Total Weight : 7466.3kgs.

Andrew Yule & Co. Ltd. (A Government of India Enterprise) ELECTRICAL DIVISION CHENNAI OPERATIONS CHENNAI - 96

ISSUE DATE: 16/11/18 PUR PLG QC PRO CUSTOMER

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TITLE: CORE 416Ø; 880MA; 1200SL

F.O.No. STD-8WA-A DRG.No.: TK-A4-1150 REV.No. 02