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 TRANSFORMER OIL

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 transformer oil, the details of which are available in Annexure-III "Scope of Work / Technical Specification" as specified in this tender document.

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

AYCL reserves the right to accept or reject any tender.

Brief Description:-

I) EHV GRADE TRANSFORMER OIL CONFIRMING TO IS 335/2018 TYPE-II (WITH LATEST AMENDMENTS) both in tanker as well as barrels.

Approximate Quantity a) 37.00 KL In Tanker. b) 15.75 KL In Barrel

II) Uninhibited TRANSFORMER OIL CONFIRMING TO IEC60296/2012 (WITH LATEST AMENDMENTS) as per specification sheets (Annexure I) both in tanker as well as barrels.

Approximate Quantity a) 195.00 KL In Tanker. b) 80.85 KL In Barrel

The quantity mentioned in the Tender is our approximate requirement up to 31.12.2019.

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.

Schedule of Tender

1.	TENDER NO.	<u>T-15/2019-20</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/22/19-20/ET/65
4.	Date of publication of e-Tender through	25.05.2019
	publication MSTC/AYCL websites and Central	
	Public Procurement Portal	
5.	Date of availability of NIT to the Vendors for	25.05.2019
	downloading	
6.	Earnest Money Deposit	• "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	25.05.2019-3.30 PM
	Online Techno-Commercial Bid and Price Bid at	
	www.mstcecommerce.com/eprochome/aycl	
8	Date of closing of Online e-tender for submission	10.06.2019 -11.00 AM
	of Techno-Commercial Bid & Price Bid at	
	www.mstcecommerce.com/eprochome/aycl	
9	Last date of submission/ uploading details of	10.06.2019-11.00 AM
	EMD & other documents	
	atwww.mstcecommerce.com/eprochome/aycl	
10	Date & time of opening of Part-I (Techno-	10.06.2019– 11.25AM
	Commercial Bid)	
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. <u>Process of E-tender:</u>

A) <u>**Registration:**</u> The process involves vendor's registration with MSTC eprocurement 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

- Vendors are required to register themselves online with <u>www.mstcecommerce.com</u>→ 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: <u>atepandian@andrewyule.com</u> 2. Mr Kingsley Rueben Technical Assistant (EDP) Mobile No: 91 9884446378 Email: <u>reuben@andrewyule.com</u>

3. Mr. R. Tamilselvan Assistant Manager (Materials) Mobile. No: 91 9788520864 Email: <u>tamilselvan@andrewyule.com</u> 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 <u>www.mstcecommerce.com/eprochome/aycl</u>

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 <u>www.mstcecommerce.com</u> → 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 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.
- I. 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 <u>www.mstcecommerce.com/eprochome/aycl</u> 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-15/19-20 (This document should be uploaded along with EMD) Those bidders who had participated and qualified in our earlier tender or bidders in AYCL-Chennai approved vendor list need not submit the documents.

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 :

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- 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 En	<u>closures</u> :	

The following documents are to be uploaded online at

www.mstcecommerce.com/eprochome/aycl

- 1. EMD: Rs. 50,000/= *
- * Bidders may request for exemption from submitting EMD (Refer details given in General terms & conditions)
- 2. Tender fee Rs: 200 /= should be paid by way of RGTS/ NEFT *
- * Bidders participating in the tender should upload the UTR details towards cost of tender document.
- 3. Customer List
- Copies of purchase orders & Performance Certificate from at least three reputed transformers manufacturers for having supplied Transformer Oil for transformers above 10 MVA rating during the year 2018-19.Offers received without copies of performance certificate will be rejected.
- 5. Balance sheets and P&L Account. (2015-16, 2016-17& 2017-18).
- Copy of the certificate for having tested your Oil as per IS 335/2018
 Type-II at CPRI / ERDA.
- 7. Copy of valid ISO 9001 2008 edition certificate.
- 8. Copy of BIS Certificate for the Product.
- 9. Copy of Inspection report issued by KPTCL during 2018-19.

**Those who have participated and qualified in our earlier tender no T-10/18-19 orT-21/18-19need not submit the document pertaining to SI No 3to 9.Balance sheet and P&L account for 2017-18alone needs to be submitted.

OFFERS RECEIVED WITHOUT ANY OF THE ABOVE WILL BE REJECTED

Our Bank details for making RTGS payment.

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

TECHNO-COMMERCIAL TERMS FOR TRANSFORMER OIL (<u>To be filled online in mstc portal</u>)

SL NO	TERMS & CONDITIONS	VENDOR RESPONSE
1	EHV GRADE TRANSFORMER OIL SHOULD CONFIRM TO IS 335/2018 TYPE-II (WITH LATEST AMENDMENTS).	AGREE
2	Uninhibited TRANSFORMER OIL SHOULD CONFIRM TO IEC 60296/2012 (WITH LATEST AMENDMENTS).as per specification sheets (Annexure I)	AGREE
3	Unfiltered oil when taken from the tanker should withstand 30 KV BDV Test at our factory.	AGREE
4	Transformer oil should be supplied as per our specification SMI 101 Rev.0 (Third issue) for SI No 1 and will be inspected as per our inspection plan no. QAP 127 Rev.0	AGREE
5	Transformer Oil confirming to IEC is meant for KPTCL jobs and it will be inspected by KPTCL inspector at the supplier's premises. The minimum inspection quantity will be 12 KL.	AGREE
6	You should have own refinery for processing TOBS.	AGREE
7	Risk purchase clause: The company 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. Please confirm acceptance.	AGREE
8	Security Deposit-	AGREE
	 a) The EMD amount of the successful Bidder will be retained as security deposit towards the execution of the contract and the same will be released after completion of contract. 	
	 b) If the bidder is exempted from paying EMD vide clause no 1 of Annexure II(A) then on being awarded the contract, 	
	 The bidder should execute the bank guarantee /DD in favor of Andrew Yule & Co .Ltd for Rs.50,000/= 	
	 For bidders already enlisted with AYCL- Chennai Operation, having outstanding amount more than the Security deposit amount then it will be adjusted towards Security Deposit. 	
9	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%. Please confirm acceptance.	AGREE

10	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	AGREE
	exclusive jurisdiction to entertain, try and determine the said proceedings in exclusion of all other courts.	
11	Validity of offer: Your price should be valid for acceptance for a period of 60 days from the date of opening of techno-commercial bid.	AGREE
12	The price quoted should be valid for deliveries up to 31.12.2019 with PVC.	AGREE
13	Andrew Yule reserves the right to increase the tender quantity by 30 %.	AGREE
14	Prices shall be variable as per IEEMA's PV Cir No.140/DIV/TRF/05 dt. 17.06.2011 effective from 01.07.2011 with price applicable on the 1st working day of April-2019.	AGREE
15	The price quoted above should be for free delivery at our Perungudi works Andrew Yule, Chennai.	AGREE
16	The credit period will start from the date of receipt of material at Andrew Yule, Perungudi, Chennai.	AGREE
17	 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 bidders 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 L1landed price will get 30 % of Tender quantity b) If two or more bidders (among L2,L3,L4,L5,L6, etc) agree to match the negotiatedL1 bidders landed 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 landed price (Bidder 'A')will get 25 % of Tender quantity Next higher bidder than Bidder 'A' who agrees to match the negotiated L1 landed price will get 15 % of Tender quantity. 	AGREE

	c) If none of the other bidders whose price bid was opened agree to match the negotiated L1 price L1 bidder will get the entire tender quantity	
	The different grades and quantity of transformer oil 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.	
18	Customer Profile UP LOADED	Remarks Filed
	** Those who have participated and qualified in our earlier tender no T-10/18-19 or T-21/18-19 and submitted their price bids online need not upload the document and should mention exempted	
19	Copies of purchase orders and Performance Certificate from at least three reputed transformers manufacturers for having supplied Transformer Oil for transformers above 10 MVA rating during the year 2018-19. Offers received without copies of performance certificate will be rejected.	Remarks Filed
	** Those who have participated and qualified in our earlier tender no T-10/18-19 or T-21/18-19 and submitted their price bids online need not upload the document and should mention exempted.	
20	Bidders should have a minimum turnover of Rs.5 crores per annum. Please enclose copy of last 3 years Balance sheets and P&L Account Balance sheets and P&L Account. (2015- 16, 2016-17& 2017-18).	Remarks Filed
	** Those who have participated and qualified in our earlier tender no T-10/18-19 or T-21/18-19 and submitted their price bids online need to submit the P&L account for 2017-18 only.	
21	Copy of the certificate for having tested your Oil as per IS 335/2018 at CPRI / ERDA.	Remarks Filed
	** Those who have participated and qualified in our earlier tender no T-10/18-19 or T-21/18-19 and submitted their price bids online need not upload the document and should mention exempted	
22	Copy of valid ISO 9001 - 2008 edition certificate.	Remarks Filed
	** Those who have participated and qualified in our earlier tender no T-10/18-19 or T-21/18-19 and submitted their price bids online need not upload the document and should mention exempted	
23	Copy of BIS Certificate for the Product.	Remarks Filed
	** Those who have participated and qualified in our earlier tender no T-10/18-19 or T-21/18-19 submitted their price bids online need not upload the document and should mention exempted.	

24		Remark field
24	EMD : Rs. 50,000/= UP LOADED	Remark neiu
	Bidders may request for exemption from submitting EMD (Refer details given in General terms & conditions	
25	Tender fee Rs: 200 /= should be paid by way of RGTS/ NEFTUP LOADED Bidders participating in the tender should upload the UTR details towards cost of tender document.	Remark field
26	PAYMENT TERMS: -Direct Credit	Remarks Filed
	In case it is agreed fill 27 with number of days of direct credit otherwise fill 27 with 0	
27	Please indicate the number of days of direct credit. (Andrew Yule payment terms 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)	Remarks Filed
28	PAYMENT TERMS: - Against L/c	Remarks Filed
	Bidders, who wish to quote with L/c, select AGREE IN 28& fill 30 with number of days of credit.	
	Bidders, who have selected agreed in 26 and filled credit days in 27 should select Disagree in 28 and fill 30 with 0	
29	If L/c payment term is selected then the L/c opening charges will be to the bidders account.	AGREE
30	Please indicate the number of days of credit against L/c	Remarks Filed
	(Andrew Yule payment term 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)	
31	If a bidder select AGREE in both 26&28, their offer will not be accepted	AGREE

GENERAL TERMS AND CONDITIONS

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

EMD: Rs. 50,000.00 (Rupees Fifty thousand only), by way of RGTS/ NEFT. Bank Guarantee from any nationalized / scheduled / Multinational Bank for the EMD amount can also be accepted, sought the necessary document (MSME certificate/ Turnover details) should be uploaded.

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 enclosing 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 enclosing 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.Security Deposit:

- a) The EMD amount of the successful Bidder will be retained as security deposit towards the execution of the contract and the same will be released after completion of contract.
- b) If the bidder is exempted from paying EMD vide clause no 1 of Annexure II(A) then on being awarded the contract,
- 1) The bidder should execute the bank guarantee /DD in favor of Andrew Yule & Co Ltd for Rs.50,000/=
- 2) For bidders already enlisted with AYCL- Chennai Operation, having outstanding amount more than the Security deposit amount then it will be adjusted towards Security Deposit.

3. Bidders should pay the amount of Rs: 200 /= by RTGS /NEFT towards cost of tender document

4. Bidders should have tested their Oil as per IS 335/2018 Type-II at CPRI / ERDA and obtained the certificate. A copy of the certificate should be submitted.

5. Bidders organization should be certified for ISO 9001 - 2008 edition. A copy of the certificate should be submitted.

6. Bidder should have been obtained BIS Certificate for the Product. A copy of the certificate should be submitted.

7. Bidder should submit copies of purchase orders & Performance Certificate from at least three reputed transformers manufacturers for having supplied Transformer Oil for transformers above 10 MVA rating during the year 2017-2018.Offers received without copies of performance certificate will be rejected

8. Bidders should have a minimum turnover of Rs.5 crores per annum. Please enclose copy of last 3 years Balance sheets and P&L Account. (2014-2015, 2015-2016, 2016-2017).

9. The transformer oil is required for KPTCL jobs and the bidder should have supplied the transformer oil to KPTCL. Copy of inspection report issued by KPTCL during 2017-18 should be enclosed.

10. After the finalization of tender, individual rate contract will be issued to all successful bidders and the individual order will be released to all successful bidders based on the distribution of tender quantity as shown below,

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 bidders 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 L1landed price will get 30 % of Tender quantity

b) If two or more bidders (among L2,L3,L4,L5,L6, etc) agree to match the negotiatedL1 bidders landed 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 landed price (Bidder 'A') will get 25 % of Tender quantity

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

c) If none of the other bidders whose price bid was opened agree to match the negotiated L1 price L1 bidder will get the entire tender quantity.

11. 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

Annexure-V

PRICE FORMAT FOR SUPPLY OF TRANSFORMER OIL

SI. NO	DESCRIPTION	Quantity	Basic Price (Including Packing, Forwarding, Freight & Insurance) (RS./KL)	IGST (%) (If not applica ble please enter Zero)	CGST (%) (If not applicab le please enter Zero)	SGST (%) (If not applicab le please enter Zero)	Landed cost per No (In Rs)
		KL	Α	В	C	D	Landed Cost =a
1	EHV-GRADE TRANSFORMER OIL CONFIRMING TO IS 335/2018 TYPE-II (WITH LATEST AMENDMENTS) In Tanker	37					
2	Uninhibited TRANSFORMER OIL CONFIRMING TO IEC 60296/2012 (WITH LATEST AMENDMENTS as per specification sheets In Tanker	195					
3	EHVGRADE TRANSFORMER OIL CONFIRMING TO IS 335/2018 TYPE-II (WITH LATEST AMENDMENTS) In Barrels	15.75					
4	Uninhibited TRANSFORMER OIL CONFIRMING TO IEC 60296/2012 (WITHLATEST AMENDMENTS) as per specification sheets In Barrels	80.85					

Annexure-VI

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	MADRAS 600 096.
	MATCOLLA STATES
	MATERIAL INSPECTION PLAN 9AP 127
	TRANSFORMER OIL
	
Method of Inspection	* ·
	1. Verification of manufacturer's test
	-
	certificate for the following parameters.
	a) Physica) properties
	Abbmat unde Dens I ty
	flash point
	Kingentin utin in
	Kinematic viscosity Pour point
	rour point
	b) fleretical properties
	Dissipation factor
	Electric strongth
	c) Changea) property
	Walery content
	Neutrilization value
	Corrosive sulphur
	Anti-oxidant additives
	Oxidation stability
	futal acidity
	Sludge t by manys
	Gaosing tendency
	2. Check on the material at our works
4	1), Break down voltage.
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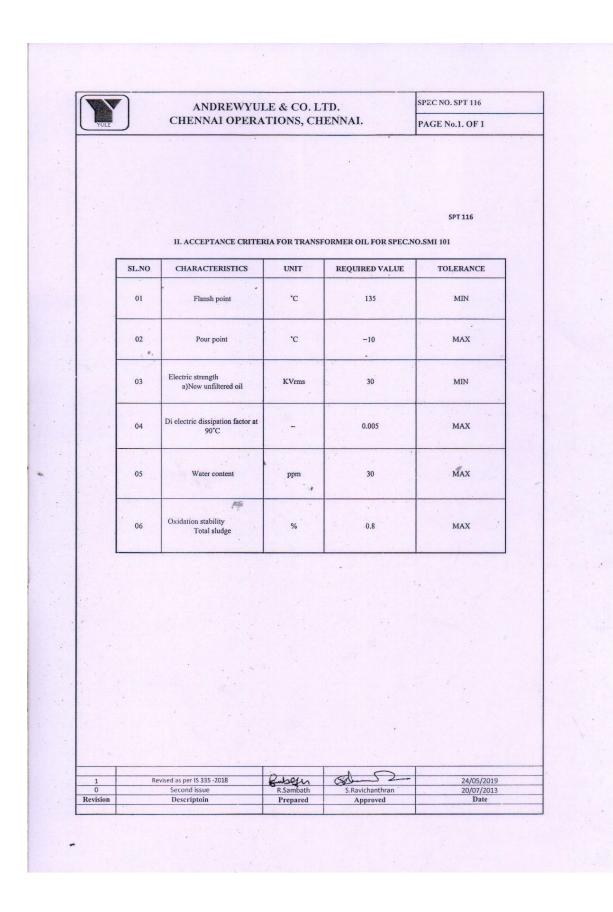
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		ANDREWYULE & CO. LTD. CHENNAI OPERATIONS, CHENNAI.				SPEC NO. SMI 10			
	YULE				AI.	PAGE No.1. OF 3			
			ON FOR TRANSFORMER OF	L .					
	1	GENERAL REQUIRES	MENTS		Mineral oil				
					A Second State				
	2.	Application .			Used as insulating a in trasnformers & s	ind cooling medium witchgears			
	п	SPECIFICATIONS			IS 335/2018				
	1.	Reference standrad		ŧ.,	IS 335/2018				
	. 2.	Material composition		1	Napthanic/Parafinic mineral oil	based low viscosity			
					The properties/Cha	exteristics of the			
	3.	Material Properties		1	transformer oil is a				
	SI NO.	Property	Test Method	Туре	Limits II of IS 335 Transfo	rmer Oil			
	A Function	P.	IS 1448(Part 25)		15mm ² /s,Max				
	i) ii)	Viscosity at 40°C Viscosity at 0°C ¹	IS 1448(Part 25)		1800mm ² /s,Ma				
	ш)	Pour point	IS 1448(Part 10/sec2)	(-10°C,Max To be	based on LCSET n	efer Table 1 ¹¹ of IS335			
	iv)	Water content	IEC 60814	30	mg/kg st /40mg/kg	^o , Max			
	v)	Breakdown voltage	IS 6792	1	30 kv/70KV ⁵³ ,M	in			
			IS 1448(Part 16)		0.895g/ml, Ma				
	vi)	Density at 20°C							
	vii) viii)	DDF at 90°C Particle content	15 16086 15 13236	Ne	0.005,Max	nent *03			
138	B Refining/ st		13 13230		0				
	ix)	Appearance '	-	Clear, free fre		suspended matter			
	x)	Acidity	IEC 62021-1		0.01mg KOH/g, M				
	(ix	Interfacial tension	ASTM 0971	N	o general requirer	nent ···			
	xii)	Total sulphur content	ISO 14596 or ASTM D4294 ¹⁰¹	,	Vo general require	ment			
	xiii)	Corrosive sulphur	DIN 51353		Not corrosive				
	xiv)	Pontentially	IS 16310	in the second second	Not corrosive				
	xv)	corrosive sulphur DBDS	IS 16497 (part 1)	N	ot detectable(< 5	mg/kg)			
		The second second	The New York Control of the play		bited oil not dete	the second s			
		Inhibitors according	15 13631	(T)	Trace inhibited oil	1:<0.08%			
	xvi)	to IS 13631/IEC 60666	15 13031	(1) (inhibited oils:0.08	%-0.40%			
		00000			see 3.6 to 3.8) of	15 335			
	xviii)	Metal passivator additives according to IS 13631/IEC	IS 13631	11	ot detectable (<5r	ng/kg),			
		60656							
	-			0	10				
-	1		evised as per IS 335,2018	R Sambath	Band /	22/05/2019			
	0	the second se	ourth Issue Descriptoin	R Sambath Prepared	S Ravichandaran Approved	Date			
	Revision	1 1	A SAL APROVIN	richaren					

			ANDREWYULE &	CO. LTD.		SPEC NO. SMI 101
1		CHE	NNAI OPERATIO	NS, CHENNAL	P	PAGE No.2. OF 3
_					Limits	
Γ	SI NO.	Property	Test Method		see 77	
F	xviii) Other additives see "					
	sis()	2-Furfural and related compounds content	15 15668	Not detectable(<0.05m	g/kg)for each is	ndividual compound
c	Performance	e				
	xx)	Oxidation stability	IS 12422(Method C) Test duration ⁷⁰ (U)Uninhibited oil:164h (T)Trace inhibited oil: 332h (I) Inhibited oil:500h	For oils with other i passivator Ad	antioxidant add Iditives (see 6.1	ditives and metal (2) of IS 335
ł	a)	•Total acidity *)	1.9.4 of 15 12422	. 1.3	2mg KOH/g,Ma	x
ł		•Sludge ⁹⁾	1.9.4 of 15 12422	1.1.1.2.1.	0.8%,Max	
1	P)		1.9.6 of IS 12422		0.500 ^{%)} , Max	
4	c)	DDF at 90°C ⁸¹ Gassing tendency	IEC60628, Method A	No ge	eneral requirme	ent ⁸³
ł	(iixx	ECT	See 6.14 of IS 335	Nogo	eneral requirms	ent
	D Health, Set	fety and Environment	HSE)	-	135°C,Min	
	(iiixx	Flash point	IS 1448(part 21) IP 346		3%,Max	11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	xxiv)	PCA Content	IS 15082 ansformer oil (see 6.1 of IS 33	Not d	setectable(<2.m	ne/kg)
	6)Where it i 7)The suppl 8)To be agre 9) At the en 10) Particle reference a 11) A DDF of transforme	ier shall declare the ge eed upon between sup ad of exidation stability content in drums at th	irement, a limit of minimum 4 nericn type of all additives and oplier and purchaser. tests. te delivery of the oll can be agr of 2 h of oxidation (see 15 1242)	reed between supplier and	d customer bas	ed on a statistical
	1 0 Revisio		ion revised as per 15 335,2018 Fourth Issue Descriptoin	R Sambath R Sambath Prepared	S Ravichandara Approved	
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		E & CO. LTD.		SPEC NO. SMI 10
TOLE	CHENNAI OPERATIONS, CHENNAI.		AI.	PAGE No.3. OF 3
III.	TESTS			
	Routine tests shall be conducted for thr characterist	ics mentioned as per IS 135		
IV.	EXTENT OF CHECK			
	Sampling as per IS 6855			
v.	PACKING Transformer oil shall be supplied in road tankers or accompany with a typed certificate giving the follow	in non-returnable steel drums	of 210 its capacity	y clearly marked. Its shall
	Manufacture's name	ang information.		
	ii.Quantity in liters iii.Namer of the material			
	iv.Batch no and date	1		
VI.	DOCUMENTS			
	Test certificate should accompany each consignment			
VII.	ACCEPTENCE CRITERIA			
	As per SPT 116 (For Internal use only).			
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			< .	
	1			
1	Specification revised as per IS 335,2018 Fourth Issue	Ruberton (8) R Sambath S	and the second se	22/05/2019
Revision	Descriptoin	Prepared	Ravichandaran Approved	20/07/2013



ANNEXURE-I

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Table 2 – General specifications

Property	Test method	Limits		
		Transformer oil	Low temperature switchgear oil	
1 - Function		In the second second		
Viscosity at 40 °C	ISO 3104	Max. 12 mm ² /s Max. 3,5 m		
Viscosity at -30 °C a	ISO 3104	Max. 1 800 mm ² /s		
Viscosity at -40 °C b	IEC 61868	-	Max. 400 mm ² /s	
Pour point a	ISO 3016	Max40 °C	Max60 °C	
Water content	IEC 60814	Max. 30 mg/kg c/ 40 mg/kg d		
Breakdown voltage	IEC 60156	Min. 30 kV / 70 kV e		
Density at 20 °C	ISO 3675 or ISO 12185	Max. 0,895 g/ml		
DDF at 90°C	IEC 60247 or IEC 61620	Max. 0,005		
2 - Refining/stability				
Appearance	-	Clear, free from sedime	nt and suspended matte	
Acidity	IEC 62021-1	Max. 0,01 mg KOH/g		
Interfacial tension	ISO 6295	No general requirement f		
Total sulfur content	BS 2000 Part 373 or ISO 14596	No general requirement		
Corrosive sulfur	DIN 51353	Not corrosive		
Antioxidant additive	IEC 60666	 (U) uninhibited oil: not detectable (T) trace inhibited oil: max. 0,08 % (I) inhibited oils: 0,08 - 0,40 % 		
2-Furfural content	IEC 61198	Max. 0,1 mg/kg		
3 – Performance				
Oxidation stability 1	IEC 61125 (method C)			
	Test duration:			
	(U) Uninhibited oil: 164 h			
	(T) Trace inhibited oil:332 h			
	(I) Inhibited oil: 500 h			
- Total acidity			Max. 1,2 mg KOH/g1	
- Sludge		Max. 0.8 % 1		
DDF at 90 °C	IEC 60247	Max. 0,500 1		
Gassing	IEC 60628, A	No general requirement		
4 - Health, safety and en	vironment (HSE)	g short i		
Flash point	ISO 2719	Min. 135 °C	Min. 100 °C	
	BS 2000 Part 346	max.		
PCA content	D5 2000 Fait 340	Not detectable		

For bulk supply.
For delivery in drums and IBC.
After laboratory treatment (see 6.4).

¹ Where it is used as a general requirement, a limit of minimum 40 mN/m is recommended.

1 In some countries more stringent limits and/or additional requirements may be requested.

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7 Specific requirements for special applications

7.1 Higher oxidation stability and low sulfur content

For transformers with higher operating temperatures or designed for extended service life, there may exist restricted limits after oxidation test (see IEC 61125, method C). Mostly, such oil is inhibited (I) 2, 3.

- Total acidity:	max. 0,3 mg KOH/g;
- Sludge:	max. 0,05 %;
- DDF at 90 °C:	max. 0,050;
Total sulfur content:	max. 0,15 %.

7.2 Electrostatic charging tendency (ECT)

For OF- or OD-cooled power transformers (IEC 60076-2) with high oil circulation speed, as e.g. HV/DC transformers, a limit may be agreed between purchaser and manufacturer.

7.3 Gassing

For equipment with high electrical field stress or special design, gas which may be formed under special stress conditions must be absorbed by the oil. Therefore the gassing tendency according to IEC 60628 must be agreed between the oil manufacturer and the user of the oil.⁴

2 In some countries more stringent limits and/or additional requirements may be requested.

In some countries a DDF of max. 0,020 after 2 h of oxidation (see IEC 61125, method C) is considered as acceptable for application in EHV instrument transformers and bushings. 3

⁴ In some countries limits are available.