

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

TENDER DOCUMENTS FOR SUPPLY OF TRANSFORMER TANK

ANDREW YULE & CO. LTD. invites e-Tender under single stage two part system (**Part I: Techno-Commercial Bid and Part II: Price Bid**) for finalizing rate contract for supply of Transformer Tank, Cover & Conservator, "**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.

We request you to submit your offer for the supply of transformer tank as per our typical drawings enclosed.

APPROXIMATE QUANTITY

TRANSFORMER TANK, COVER & CONSERVATOR (TCC) 302325 KG (42 NOS)

Individual tank weight varies from 4.0 MT to 12.0 MT

Any clarification or additional information if required, the tenderer should call on us to get those things clarified.

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

The quantity mentioned in the Tender is our approximate requirement up to 30.06.2020.

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

AYCL reserves the right to accept or reject any tender.

Material will be accounted based on weighment done at Andrew Yule.

DELIVERY: To be intimated from time to time as per our requirement, commencing within 4 weeks from the placement of our P/Order and as per our requirement.

The lead time required for the supply of Tank should be clearly indicated in your offer.

VALIDITY: Your offer should be valid for acceptance for a minimum period of 90 days from the date of tender opening.

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

Schedule of Tender

1.	TENDER NO.	<u>T-06/2019-20</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/15/19-20/ET/51
4.	Date of publication of e-Tender through publication MSTC/AYCL websites and Central Public Procurement Portal	20.05.2019
5.	Date of availability of NIT to the Vendors for downloading	20.05.2019
6.	Earnest Money Deposit	<ul style="list-style-type: none"> • Earnest Money Deposit” of Rs.50,000 (Rupees Fifty Thousand only) should be paid by thro' NEFT/RTGS • Other document as described in Annexure II& II A
7.	Date of Starting of e-Tender for submission of Online Techno-Commercial Bid and Price Bid at www.mstcecommerce.com/eprochome/aycl	20.05.2019-12.10 PM
8.	Date of closing of Online e-tender for submission of Techno-Commercial Bid & Price Bid at www.mstcecommerce.com/eprochome/aycl	04.06.2019 -12.00 PM
9.	Last date of submission/ uploading details of EMD & other documents at www.mstcecommerce.com/eprochome/aycl	04.06.2019 -12.00 PM
10.	Date & time of opening of Part-I (Techno-Commercial Bid)	04.06.2019 -12.15 PM
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

General Terms& Conditions

Annexure-III

Online Techno commercial terms

Annexure-IV

Price I Sheet

Annexure-V

Price II Sheet

Annexure-VI

Specification

Annexure -VII

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
Assistant Manager (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. Pritam biswas

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)

2. 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))

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. → Login under AYCL → 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.
- i. During the entire e-tender process, the bidders will remain completely anonymous to one another and also to everybody else.
- j. The e-tender floor shall remain open from the pre-announced date & time and for as much duration as mentioned above.
- k. Techno-Commercial bid will be opened electronically on specified date and time as given in the NIT. Bidder(s) can download Technical Comparative statement.
- l. Price bid will be opened electronically on specified date and time given in the NIT. Bidder(s) can download Price Comparative statement.
- m. All entries in the tender should be entered in online Technical & Commercial Formats without any ambiguity.
- n. 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**.
- o. It is mandatory that all the bids are submitted with Digital Signature Certificate otherwise the same will not be accepted by the system.

- p. 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.
- q. 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.
- s. 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
Chennai Operation, Electrical Division**

**General Information
Ref. Tender No.: T-06/19-20**

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 :

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. :

6. GST Registration No.

7. I. T. Permanent Account No.:

8. Financial Capacity : Year (2017-2018)

(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/= *

* 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. Present customer Profile to be uploaded.

4. a) Bidders should have a minimum turnover of Rs: 50 lakhs per annum in last three financial years (2015-16, 2016-17 & 2017-18). Proof (P & I Account) to be uploaded.

b) Bidder should have previous experience in the fabrication of power transformer tanks for transformers above 10 MVA rating. Offers received without copies of purchase orders /performance certificate for supply of minimum 4 nos of tank in 2018-19 will be rejected.

OFFERS RECEIVED WITHOUT ANY OF THE ABOVE WILL BE REJECTED

* Those who had participated and qualified in our earlier tender no.T-17/18-19 need not submit the documents for sl.no.3, 4b & Annexure II (General Information). Proof of turnover for year 2017-18 alone needs to be submitted.

** Bidders in AYCL-Chennai approved vendor list for fabrication of tank need not submit the documents for sl.no.3, 4b & Annexure II (General Information). Proof of turnover for year 2017-18 alone needs to be submitted.

*** In the absence of previous experience in the fabrication of power transformer tanks, after assessment if found suitable trial order will be placed on the bidder at the L1 rate & terms.

GENERAL & TERMS AND CONDITIONS

- 1) EMD: Rs. 50,000.00 (Rupees Fifty thousand only), should be paid by way of RGTS/ 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 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) 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

***Quantity will be distributed to a maximum of 5 bidders only.**

The committed quantity offered by the bidder will be assessed by AYCL before opening the price bid and the capacity so assessed by AYCL or the quantity committed by the bidder, whichever is lower is the assessed capacity of the bidder taken for this tender.

This assessed quantity will be the basis for allocation of the tender quantity to the bidders, provided other terms & conditions are met.

Rate Contract will be placed on the L1 bidder at the RA L1 price for the quantity as assessed above.

If the quantity as per rate contract placed on the L1 bidder is less than the tender quantity than the next higher bidder than L1 bidder who agrees to match the RA L1 price (Bidder A) will get quantity as assessed above with the same terms & conditions of L1.

This process will be continued until our monthly requirement is met.

If none of the other bidders accept the L1 price, AYCL has the right to place the entire tender quantity on the L1 bidder

3) 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

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 TRANSFORMER TANK, COVER & CONSERVATOR
(**To be filled online in mstc portal**).

SL NO	TERMS & CONDITIONS	VENDOR RESPONSE
1	<p>REQUIREMENT <i>E-Tender offers are invited for Entering into Rate Contract for supply of Transformer Tank, Cover & Conservator as per our drawings as per the following details.</i></p> <p>TRANSFORMER TANK, COVER & CONSERVATOR (TCC) 302325 KG (42 NOS)</p> <p>The quantity mentioned in the Tender is our approximate requirement up to 30.06.2020.</p> <p>Andrew Yule reserves the right to increase the tender quantity by 30 %.</p>	AGREE
2	Validity period of the offer: Your offer should be valid for acceptance for a minimum period of 90 days from the date of tender opening	AGREE
3	The rate quoted should be valid for supplies up to June 2020 with PVC	AGREE
4	<p>Guarantee:</p> <p>Material supplied should be guaranteed against all manufacturing defects, poor workmanship, defective raw material for a minimum period of 18 Months from the date of supply or 12 months from the date of commissioning whichever is later. During the period if the product is found defective due to any of the above reason you shall undertake to repair the same at FREE OF COST. Please confirm.</p>	AGREE
5	<p>Price Variation Clause: Price Variation claim shall be allowed over the quoted base price as under.</p> <p>a) For every 1 Rupee/Kg. Increase/decrease in JPC Market Price (Retail) basic price (exclusive of GST) of HR plate 10 mm thick, the basic Transformer tank rate will increase / decrease by Rs: 1.00 / Kg.</p> <p>b) The basic rate quoted as per price bid shall be based on the JPC Market Price (Retail) of Rs: 43.75/Kg (Chennai base price exclusive of GST) as on 02.05.2019. The JPC circular can be obtained from JPC Kolkata for considering the change in price of HR plate 10 mm thick and to raise bills based on PVC. As the displayed price includes the GST therefore the GST shall be subtracted from the rate applicable time to time. The existing rate of GST is 18 % as on 20.05.2019</p>	AGREE

	<p>c) JPC Market Price (Retail) (Chennai base price exclusive of GST) of HR plate 10 mm thick applicable for 30 days prior to actual dispatch date or PO dispatch date whichever is lower shall be considered for PVC claim. For example, if Transformer tank is dispatched on 10.08.19 and PO dispatch is 10.07.19, JPC price applicable for 10.08.19 or 10.07.19 whichever is lower shall be taken for PVC claim.</p> <p>d) Your Price Bid will not be opened in case of any deviation is requested by you in the PV Clause as mentioned above.</p>	
6	The rate quoted by you is F.O.R. Chennai (Inclusive of Packing, Forwarding and Insurance)	AGREE
7	If any Stainless Steel fabrication is there in the tank up to 3 kg its should not be charged extra.	AGREE
8	<p>Security Deposit:</p> <p>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.</p> <p>b) If the bidder is exempted from paying EMD vide clause no 1 of Annexure III then on being awarded the contract ,</p> <p>1) The bidder should execute the bank guarantee /DD in favor of Andrew Yule & Co .Ltd for Rs.50,000/=.</p> <p>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.</p>	AGREE
9	<p>Liquidated damage:</p> <p>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%</p>	AGREE
10	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	AGREE
11	<p>Legal condition: Any contract entered against this tender will be as per the following legal condition</p> <p>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.</p>	AGREE
12	Reverse Auction (RA): The tender will be finalized by reverse auction. The bidders participating in the tender has to submit	Remarks Filed

	<p>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 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>	
13	The credit period will start from the date of receipt of material at Andrew Yule, Perungudi, Chennai.	AGREE
14	PAYMENT TERMS: -Direct Credit In case it is agreed fill 15 with number of days of direct	Remarks Field
15	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 Field
16	PAYMENT TERMS: - Against L/c Bidders, who wish to quote with L/c, enter AGREE IN 16 and fill 18 with number of days of credit. Bidders, who have entered agreed in 14 and filled credit days in 15 should enter Disagree in 16 and fill 18 with 0	Remarks Field
17	If L/c payment term is selected then the L/c opening charges will be to the bidders account.	AGREE
18	Please indicate the number of days of credit against L/c (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)	Remarks Field
19	If a bidder select AGREE in both 14 and 16, their payment terms will be considered as direct credit.	AGREE
20	<p>Balance sheets and P&L Account. (2015-2016, 2016-2017 & 2017-2018) UP LOADED</p> <p>* For those who had participated and qualified in our earlier tender no.T.17/18-19 or Bidders in AYCL-Chennai approved vendor list for fabrication of TRANSFORMER TANK, proof of turnover for year 2017-18 alone needs to be submitted.</p>	Remarks field
21	<p>Bidder should have previous experience in the fabrication of power transformer tanks for transformers above 10 MVA rating. Offers received without copies of purchase orders /performance certificate for supply of minimum 4 nos of tank in 2018-19 will be rejected</p> <p>** Bidders in AYCL-Chennai approved vendor list for fabrication of tank need not submit the documents</p>	Remarks Field
22	<p>EMD : Rs. 50,000/= * UP LOADED</p> <p>* Bidders may request for exemption from submitting EMD (Refer details given in General terms & conditions</p>	Remarks Field

23	Tender fee Rs: 200 /= should be paid by way of RGTS/ NEFT * UP LOADED * Bidders participating in the tender should upload the UTR details towards cost of tender document.	Remarks Field
24	Customer Profile *UP LOADED *Those who had participated and qualified in our earlier tender no.T-17/18-19 or Bidders in AYCL-Chennai approved vendor list for fabrication of tank need not submit the customer profile.	Remarks Field
25	Guaranteed delivery offered per month in Nos/ MT	Remarks Field
26	Lead time for supplying the Transformer tank, cover & conservator.	Remarks Field

PRICE FORMAT FOR SUPPLY OF TRANSFORMER TANK, COVER & CONSERVATOR.

SI. N O	DESCRIPTION	Quantity	BASIC PRICE PER KG (Rs)	CGST (%) (If not applic able pleas e enter Zero) (In %)	SGST (%) (If not applicable please enter Zero) (In %)	IGST (%) (If not applicable please enter Zero) (In %)	Landed cost per KG (In Rs)
		KG	A	B	C	D	Landed Cost = a
1	TRANSFORMER TANK , COVER & CONSERVATOR (TCC)	302325					

TECHNICAL SPECIFICATIONS

1) Transformer tank cover conservator (TCC) should be manufactured as per our drawing and as per our material specification: SMF 113.

2) Painting:

a) All surfaces should be sand / grit blasted to a finish of Sa 2.5(ISO 8501-1:1988) before painting.

External Surface: 2 coats of Epoxy Primer to a thickness of 50--70 microns (DFT) and 1 coat of Polyurethane finish paint (PU) as per shade mentioned by us to a thickness of 30--40 microns (DFT)

Internal Surface: 1 Coat of hot oil resistant White paints to a thickness of 30-40 microns (DFT).

Paint Make: Epoxy, PU & Thinner: Asian / AkzoNobel.

White paint: Asian HOR paint.

3) Material supplied will be inspected as per our inspection plan no. QAP 132 rev 1

4) Leak Test: Leak test to be conducted on TCC with water or air at a pressure of 9 psi as per our specification SMF 113.

5) All the covers/ dummy should be fixed on the tank while effecting delivery accompanied by detailed packing list.

6) Material test certificate should be submitted along with the supply of tank.