



GOVERNMENT OF PAKISTAN
PAKISTAN ORDNANCE FACTORIES
WAH CANTT

“CORRIGENDUM-I”

1. Following amendment is hereby made against TE No. 5378-LP-50-SCM (HVN)-Capt-Pur-I Dated 09-01-2021.

Clause of TE	FOR	READ
Tender opening date	11-02-2021	04-03-2021

2. All other terms and conditions of the T.E will remain unchanged.

Director-SCM

Tel: 0092-51-9055-21088,
Fax: 0092-51-9271400,
E-mail:- dirscm@pof.gov.pk
Dated: 09 -02-2021



GOVERNMENT OF PAKISTAN
PAKISTAN ORDNANCE FACTORIES
TENDER ENQUIRY

To,

Dear Sirs,

Reference: **TENDER ENQUIRY NO. 5378-LP-50-SCM (HVN)-Capt-Pur-I Dated 09-01-2021**

You are requested to submit quotations for the item(s) noted in the Schedule to the Tender. Offer should be sent duly sealed in an envelope. Please note the following instructions for filling the tender:-

1. **SUBMISSION OF TENDER**

1.1 Tenders will be opened at **12:00 hours on 11-02-2021** and must reach **Bid Center adjacent to Rabita Hall on or before 11:30** hours up to due date. The tender received late will not be entertained. You may witness the opening of the tender if you so desire. If a representative is deputed, he should bring a letter of authority from you.

1.2 Only one tender should be included in one envelope. The outside of the envelope should be inscribed with:-

Tender Enquiry No: **5378-LP-50-SCM (HVN)-Capt-Pur-I Dated 09-01-2021**

Tender to be opened on: **11-02-2021**

Address as follows:-

“GM-Purchase-I POF Wah Cantt – Pakistan.”

1.3 If envelope does not indicate reference of T.E or received late the same may be returned un-opened.

2. **GENERAL INSTRUCTIONS REGARDING PREPARATION OF QUOTATIONS AND EVALUATION CRITERIA**

2.1 Case will be processed exactly as per **PPRA Rules 36(b)** in favour of lowest evaluated bidder and single stage two envelope procedure will be utilized for open competitive bidding. The price should be filled in column 5 and delivery date in column 6 of the schedule to this Tender Enquiry. The undertaking should be signed at the bottom of the Schedule which shall form the Quotation. You may use a separate sheet if necessary.

2.2 For Plant and Machinery, you are required to quote in two parts:-

Part I "Technical Offer": It should exclusively give technical details and literatures/brochures of the offered plant, machinery and equipment; validity date; delivery schedule; and signed undertaking given on the schedule to this Tender Enquiry. It must not indicate price, costs etc.

Part II "Commercial Offer" It should indicate the commercial terms e.g. price, terms of payment, mode of payment, mode of supply.

Each part should be placed in a separate sealed cover. The envelopes should be inscribed with: **Part I "Technical Quotation without price" and Part II "Commercial Quotation with Price."**

- 2.3 The quotation must remain valid for, at least 90 days from the date of opening of commercial tenders, which is extendable.
- 2.4 The quotation should hold good for any reduced quantities without notice.
- 2.5 In the event of non-acceptance of offer, intimation may be given to the Tenderers on their request.
- 2.6 Conditional offers or alternative offers are likely to be ignored.
- 2.7 Quotations should be based on:-
F.O.R. station of Dispatch basis, i.e. delivered free on rail / Road, inclusive of packing and forwarding charges. The stores will be booked under Military Credit Note, to be provided by the purchaser, and/or **free delivery at POF's Store Havelian Factory. In this case octori duty will be payable by the supplier.**
- 2.8 **Taxes and Duties etc. where applicable, must be shown separately, quoting reference to Registration No. in cases of Sales Tax and relevant authority in the case of others. Offer without these clarifications and inclusive of Taxes and Duties may be ignored.**
- 2.9 Taxes and duties levied on or after Tender opening date or on or after the date offer was signed and dispatched will be allowed to include in the offered rates provided that clause 2.8 has been conformed properly.
- 2.10 "Suppliers will furnish a certificate, issued by Excise & Taxation Deptt, that he has cleared all Professional Tax payable by him" offers received without this certificate will be rejected.
- 2.11 Suppliers will render necessary information regarding hazardous effects on environment, of the materials/products supplied by them, and material Safety Data Sheet (MSDS), in their quotations and shipping/dispatch documents.
- 2.12 If the requisite information is not furnished on the T.E forms or offer received is not conformity with the requirement of the T.E such offer shall be ignored.
- 2.13 Special Conditions must be carefully studied and conformed.

3. **INSPECTION**

As per attached Annexure "A".

4. **TENDER FEE** The tender must be accompanied by a non-refundable fee by means of a crossed postal order/pay order for Rs 500/- in favour of Director Admin POFs Wah Cantt.

4.1 **TENDER SAMPLE**

Where required, offer must a company tender sample, strictly according to the description and specification given in Tender Enquiry. Offer not accompanied by tender sample will NOT be entertained excepting the established and reputable firms who have either previously satisfactorily supplied the same or similar stores or have submitted an acceptable sample thereof against previous T.E.

5. **BID Security**

- 5.1 Bid Security at the rate of **2%** (for firms **registered** with POF) and **5%** (for **un-registered** firms) of the quoted value, should accompany the tender in the shape of Call Deposit Receipt/Pay Order/Banker's Cheque, from a scheduled Bank drawn in favour of:-

"General Manager-Purchase-I POF Wah Cantt."

Tenders received without / less Bid security will be rejected.

5.2 Bid Money of the unsuccessful Tenderers will be returned as soon as the scrutiny of the tenders is completed. Bid Money of the successful Tenderers will be retained until the contract is finalized. Bid Money will be forfeited in case the quotation is withdrawn before the expiry of its validity date.

5.3 **State owned organizations are not required to provide Bid Money.**

6. **ACCEPTANCE OF OFFERS**

6.1 POF may reject all bids or proposals at any time prior to the acceptance of a bid or proposals, but is not required to justify grounds for its rejection. POF shall incur no liability towards suppliers or contractors who have submitted bids or proposals.

6.2 **PERFORMANCE BOND**

(a) The successful bidders shall provide Performance bond within 30 days after issuance of LOI at the rate, prescribed by POF Board according to the value of contract which shall not exceed **10%** of contract value, in the form of a Deposit At Call Receipt from a scheduled Bank; or, **an unconditional Bank Guarantee valid for 24 months** after successful installation and commissioning of receipt store in POFs on a prescribed format. The Performance Bond will be in favour of C.M.A. POF Wah Cantt. It will be returned on satisfactory completion of the contract.

(b) If the Supplier fails to furnish the Performance Bond within the specified time, such failure will constitute a breach of the contract and the Purchaser shall be entitled to make other arrangements for purchase of the stores at the risk and expense of the Supplier.

6.3 Performance Bond from State owned organizations may be waived off at the discretion of the Purchaser.

6.4 **FAILURE TO SUPPLY THE STORES**

All deliveries must be completed by the specified date. If the failure to deliver the stores within the scheduled time should have arisen from "Force Majeure", which the Purchaser may admit as reasonable ground for further time, he will allow such additional time as he may consider to have been required by the circumstances of the case. Otherwise, he will be entitled, at his discretion, to cancel the contract; and/or, claim liquidated damages upto 2% but not less than 1% of the contract price of the items and their quantities for each and every month or part of a month, beyond the specified delivery date, during which these may not be delivered, subject to a maximum of 10% of the total contract value of the particular stores which remained unsupplied either in part or in full: or, to purchase, from elsewhere, the unsupplied stores at the risk and cost of the Supplier.

6.5 **PAYMENT**

a. As per attached Annexure "A"

b. Payment of duties /Taxes including professional tax(where applicable) must be supported by proof of having paid these to concerned Govt. Taxation Deptt:

7. **SECURITY OF INFORMATION**

The tenderer and his employees must not communicate any information relating to the sale/purchase of stores under this enquiry to any person other than the manufacturer or to any press or agent not authorized in writing by POFs to receive it.

Please return the Schedule to the Tender duly signed by the specified date, along with the specifications drawings etc. if any, enclosed herewith - even if you are unable to quote.

WARNING In case the firm abstain from making offers or fail to return/acknowledge the tender form by the specified date on three consecutive occasions, no further tender enquiry may be issued to them and their names would be liable to remove from the approved list.

Yours faithfully,

Director SCM
POF Wah Cantt

Contact Details: -

Tele: (051) 9055(21087/22269)

Fax: (051) 9271400 & 9314100

Email: procurement@pof.gov.pk

Copy to:-

1. MD Havelian Fy.
2. Manager-SCM (Coord).
3. F.I.U Rep Bid Centre.

PAKISTAN ORDNANCE FACTORIESSchedule to Tender Enquiry No. **5378-LP-50-SCM (HVN)-Capt-Pur-I Dated 09-01-2021****(1) For Plant and Machinery.**

Item No	Description with Spec etc.	A/U	Qty	Price Rs.		Delivery Date
				In Figures	In Words	
1.	Mix acid storage vessels along with compatible stirrer system, Gear box, electric motor and other related accessories. Qty: 10 No's. (2 No's in first phase, 3 No's in 2 nd and 5 No's in 3 rd phase) Specification attached at Annexure "A"	No.	10			

- (2) **Special Conditions and evaluation Criteria.**
- i) **Rate and sales tax** must be shown separately. Otherwise your quoted rates will be considered inclusive of all taxes.
 - ii) Offer without Bid Security and **Tender Fee** may not be considered.
 - iii) **Date and stamp** of the postal order must be visible.
 - iv) PTC should be obtained from Punjab Government.
 - v) Only **one rate** should be quoted on the tender schedule. Otherwise offered item having multiple rates may be rejected.
 - vi) Undertaking must be signed.
 - vii) Unregistered firms are required to provide **Annexure "B"** duly filled signed and stamped along with quotation.
 - viii) As per T.E clause, 2 .2 you are required to quote in two parts, each part should be placed in a separate sealed cover. The envelop should be inscribed with: Part I "**Technical Quotation**" without price" and Part II "**Commercial quotation**" with price."
 - ix) Status of your firm with POF (Registered/Un-Registered) should be mentioned in your offer.
 - x) Registered firms are required to provide copy of valid registration letter with POF.
 - xi) a. Only registered suppliers (with Sales Tax & Income Tax deptt) who are on Active Taxpayers List (**ATL**) of FBR are eligible to supply goods/services to Govt. Deptts.
b. The payment to registered persons may be linked with the active taxpayer status of the suppliers as per **FBR** database. If any registered supplier is not in ATL his payment should be stopped till his mandatory returns and appears on **ATL of FBR**.
 - xii) Based upon the information being provided by the firms, only those firms will be awarded contract(s) who fulfill all the T.E. requirements.
 - xiii) Case will be processed and contract will be awarded to the firm(s) who will fulfill the evaluation criteria as **per PPRA Rules**.
 - xiv) Grand Total of offer must be mentioned in your quotation.
 - xv) Relevant technical literature must be provided along with competitive bid i.e., only one offer must be submitted
 - xvi) **Delivery/Installation and Commissioning Plan**

Phase	Qty/No. of Tanks	Delivery Plan	Installation and Commissioning/ FAT
01	02	Within 8 months, after issuance of contract	02 months
02	03	Within 8 months, after completion of 1 st Phase	02 months
03	05	Within 8 months, after completion of 1 st Phase	02 months

(3) **Undertaking**

Should our offer be accepted, we hereby undertake to supply the store/render the services contracted on the basis of General Conditions of Contract embodied in Form POF 1281, and to deposit the performance bond within the prescribed time, failing which it will constitute a breach of contract, and POF will have the right to purchase the store/services elsewhere at our risk and cost.

Place	_____	Signature of the Tenderer	_____
Date	_____	Name	_____
_____	_____	Position	_____
_____	_____	Address	_____
_____	_____	Income Tax G.I.R No.	_____

TE NO. 5378-LP-50-SCM (HVN)-Capt-Pur-I Dated 09-01-2021
SPECIFICATION

1	Nomenclature	Mix acid storage vessels along with compatible stirrer system, Gear box, electric motor and other related accessories. Qty: 02 Sets
2	Type/Volume	Horizontal cylindrical vessel Volume: 65 m ³ Capacity: 110 M.Ton
3	Storage Media	Mixed/Spent acids from Nitrocellulose Nitration process having following compositions: Nitric Acid = 19 to 28% Sulfuric Acid = 58 to 68% Water = 8 to 23%
4	Material and Fabrication	
a.	Material specification for SS	BS EN 10088-2:2014, Grade:1.4401(SS316) OR ASME Sec. II Part A (Grade:S31600)
b.	Material specification for MS	Mild Steel BS EN 10025-3:2004 Grade S275JR OR ASTMA 516 (Grade 70)
c.	Drawing of Tank/Vessel	Basic drawing of Tank/Vessel is attached
d.	Dimensional Requirements	
	i	Outer Length of vessel 10812 mm
	ii	Cylindrical vessel outer diameter of Tank 2800 mm
	iii	Radius of end dish plates M.S 2800 mm
	iv	Thickness of end dish M.S 20 mm
	v	120° x 9624L Top portion material SS. Length 10812mm and Thickness 18mm
	vi	240° x 9624L Bottom portion material M.S Length 10812 mm and Thickness 18mm
d.	Inlet piping connections at the top of vessel	Qty/No's
	i	Acid feed lines flanged joints diameter 65mm with compatible valves 05
	ii	Sampling and Dip checking point with adjustable cover and drain line diameter 80 mm (SS) 01
	iii	Vent line with flanged connection diameter 100mm and length 1828 mm (SS) linked with existing fume absorption plant 01
	iv	Air injection line diameter 25mm (SS) installed inside of tank along the length with compatible valve 01
e.	Outlet piping connections with branch connection	
	i	Outlet line diameter 65 mm with flanged connection and valve (For Pumping acid to next unit) 01
	ii	Outlet line diameter 65 mm with flanged connection and valve (For circulation and mixing of acid) 01

f.	Openings		
	i	Manholes (Flanged hatch) diameter 500 mm on opposite ends for cleaning and maintenance of vessels secured with Nut/ Bolts	02
g.	Piping and Fittings Requirement		
	To incorporate installation of 02x new acid vessels in available facility following piping will be required with appropriate fittings and accessories		Length (meter)
	i	Sulfuric acid line diameter 65mm (M.S)	14
	ii	Nitric acid line diameter 65mm (Aluminum)	14
	iii	Process water line diameter 65mm (GI)	14
	iv	Spent acid receiving line diameter 65mm (SS)	14
	v	Acid circulation line diameter 65mm (SS)	14
	vi	Raw water line for washing/cleaning diameter 65mm (M.S) along with compatible valves	14
	vii	Perforated air injection line diameter 25mm (SS)	34
h.	Agitator and Motors		
	i	02x agitators with gear box (if necessary) and IP-65 protected motors on the top of each vessel	
	ii	Control panel with safeties as per capacity of motor	
	iii	Electrical cables (SWA) length 150m with cable tray (min)	
	iv	All electrical equipment's must be ATEX standards	
	v	All electrical accessories will meet IEC / EU standards	
i.	Specifications of Agitation system		
	I	Rpm	1400
	ii	Output shaft	Vertically downward SS-316L
	iii	Soft starter	As per rating of motor
	iv	Coupling	Flexible disc with shroud SS
	V	Agitator	Closed impeller type stirrer ensuring proper homogenization of acids
	vi	ON/OFF and Emergency stop	IP-65 protected switch board
j.	Orientation and Installation		
	Vessels will be installed on new civil foundations	04x RCC saddles for each vessel protected with acid resistant bricks and flooring (Separate T.E shall be issued for carrying out civil works)	
5.	Safety and Accessories		
a.	Plug valve		Qty/No's
	i	Main acid outlet	01
	ii	Cleaning/Dislodge	01
b.	Level Indication and Measurement		
	Reliable and compatible local level monitoring gauge		
c	Flame proof lights		
	02x flame proof lights on each tank with all necessary cables accessories and safeties		
d	Railing/Gratings and Paint		
	i	M.S pipes railing (protected with Acid resistant paint)	
	ii	GI Square mesh gratings for floors and stairs	
	iii	All M.S parts/body of vessel and accessories should be protected with acid resistant paint	

6. **Spares:**

- 6.1 02 years necessary mechanical and electrical spares rendering the tanks functional during Warranty/Guarantee period should be included with item wise price.
- 6.2 Supplier shall guarantee that all mechanical, electrical and instrument spares would be supplied by the firm for a period of 15 years on as and when required basis after commissioning of the vessels.

7. **Climatic Conditions:**

- 7.1 Temperature range : -3 to 50⁰C
- 7.2 Atmospheric Relative Humidity : 25 – 100%

8. **Available Utilities:**

Following utilities are available:-

- 8.1 Electricity 380 - 400 volts, 50 Hz, three phase.
- 8.2 Electricity 220 – 230 volts, 50 Hz, single phase.
- 8.3 Raw water at 3 bar (g) pressure.
- 8.4 Steam at 6 bar (g) pressure.

9. **General Condition:**

- 9.1 All components/ parts of the entire unit should confirm safe and long lasting operation in intense corrosive and extreme weather conditions.
- 9.2 For emergency shutdown of machine, a suitable emergency shutdown system should be provided to switch off machine immediately.
- 9.3 The supplier shall provide the time schedule for completion of the project. The completion of the project may not exceed a period of 10 months after issuance of contract.

10. **Scope of Supply:**

Hardware (Mechanical & Electrical)

The following hardware should be included in the supply.

- 10.1. Erection material such as steel structure for supporting of machinery & piping etc.
- 10.2. Cables required for electrical installation.
- 10.3. Start / Stop control station for all motors (with ampere meters). Perforated cable trays and supports for power, instrumentation and accessories.
- 10.4. All valves, interconnecting piping, fitting, gaskets, couplings, bolts & nuts.
- 10.5. All necessary consumable required during erection installation and commissioning of vessels.
- 10.6. All motors, gears and electrically driven accessories should be intrinsically safe with IP-65 protection.

11. **Inter Stage / Pre shipment Inspection (PSI) at Firms Premises:**

Supplies shall be subject to the inspection and acceptance by the competent inspection authority nominated by the Purchaser, who will arrange it at his own cost.

- 11.1. Inspection facilities such as tools, test equipment, instruments etc will, however, be provided by the Suppliers in accordance with the relevant specifications.

12. **Fabrication Work and Transportation:**

12.1. **Option # I**

- 12.1.1 The seller will fabricate Tanks/vessels in its base workshop.
- 12.1.2 The seller will transport the complete prefabricated tanks at its own cost & arrangement to POF Havelian Factory site.
- 12.1.3 POF Havelian will unload the same at the designated site.

12.2 **Option # II**

If due to some technical reason(s), the tanks/vessel's complete prefabrication is not possible in the seller's workshop; then the seller may carry out the fabrication work as per following;

- 12.2.1 Cutting, beveling, bending / rolling and match marking in seller base workshop.
- 12.2.2 Seller will transport the partial pre-fabricated tanks/vessels at its own cost and arrangement to POF Havelian site.
- 12.2.3 POF Havelian will unload the same at the designated site.
- 12.2.4 Seller will have to ensure / responsible for following;
- a. Payment of utilities being used during fabrication work at site.
 - b. Provisioning of all relevant machines, tools and consumables required for fabrication work at site.
 - c. Provisioning of requisite direct and indirect materials required for tanks/vessels fabrication.
 - d. Safety & HSE equipment for its team at site.
 - e. Accommodation for its workforce.
 - f. Timely provisioning of Bio Data and valid CNIC copies of its workforce for Security Clearance/entry permission to the site.
 - g. Responsible for behavior of their workforce at site.
 - h. The fabrication work at site shall be completed within 03 weeks.

13. **Documentation:**

The supplier will be responsible to furnish related technical data (04 copies each in English language) including the following:

- 13.1. Detailed drawings & specifications of the equipment/machinery.
- 13.2. Equipment layout and schematic diagram.
- 13.3. Chemical and physical analysis report of M.S and SS metal sheets used.
- 13.4. Maintenance and services manuals of the machinery.
- 13.5. Piping and Instrumentation (P&I) Drawings.
- 13.6. Detailed electrical & instruments connecting diagrams.

14. **Erection Installation, Trial Performance & Final Acceptance Test of Machinery:**

14.1 **Installation Work**

Following installation work will be carried out by buyer (POF Havelian).

- a. Placement of tanks at their respective foundations.
- b. Connections of acid (inlet & outlet) lines
- c. Placement of stirrer, gearbox and electric motor,
- d. Installation of panel.

14.2 **Commissioning & Final Acceptance Test**

- a. Commissioning & Final Acceptance Test will be carried out under supervision of seller's technical team.
 - b. Timely provisioning of Bio Data and valid CNIC copies of its workforce for Security Clearance/entry permission to the site.
 - c. POF Havelian will provide required number of technicians for commissioning & trial run.
 - d. Seller will bear all expenses of its technical team during commissioning & trial run period.
1. Successful trial run of the complete store for 10 x days (continues) with the requisite acid.

15. **Payment Terms:**

Payment will be made as per following, by C.M.A (POF) through cross cheque on our prescribed bill form supported by receipt voucher.

- 15.1 70% advance payment against equal amount of bank guarantee valid till successful inspection and receipt of store in POF Havelian.
- 15.2 30% payment will be released after successful final acceptance test

16. Performance Bond:

Successful bidders shall provide performance bond which shall not exceed the 10% of the contract amount in the form of a Deposit Call Receipt from a scheduled bank or an unconditional Bank Grantee valid for 24 months.

17. Warranty Guarantee:

- 17.1 The supplier will have to provide warranty / guarantee for a period of two year smooth functioning of the Tanks, including free of cost supply of spare parts.
- 17.2 Two year warranty / guarantee period will be started from the date of satisfactory conclusion of FAT
- 17.3 Test & trial of machines/equipment shall be carried out for 10 working days after receipt in POF Havelian under the supervision of supplier.

NOTE:

POF shall deal with the supplier directly without involvement of any agents. The purchaser shall pay no agency commission.

SUPPLIER'S CAPABILITY

1. NAME OF THE FIRM: _____
ADDRESS: _____

1.1 - TELE:NO: _____

1.2- FAX NO: _____

1.3- E.MAIL ADDRESS: _____

2. WHETHER PUBLIC LTD, PRIVATE LTD, PARTNERSHIP
OR SOLE PROPRIETORSHIP: _____

3. ESTABLISHED SINCE: _____

4. CAPACITY: (Manufacturer / Stockist/Agent to foreign Firm): _____

5. IF MANUFACTURER, PROVIDE FOLLOWING DETAILS:

5.1- RANGE OF PRODUCTS MANUFACTURED: _____

5.2- DETAIL OF PLANTS, MACHINERY AND MAJOR EQUIPMENTS:
(Attach separate sheet if required):

6. INSPECTION/QUALITY ASSURANCE FACILITIES: _____

7. ISO-9000 CERTIFIED IF SO ATTACH NECESSARY DOCUMENTS

8. IF STOCKIST, PROVIDE FOLLOWING:-

8.1- DETAILS OF STOCKS HELD: - _____

8.2- APPROX. STOCK VALUE _____

8.3- LOCATION OF STOCKS: _____

ORGANISATIONAL DETAILS.

9. WHETHER THE FIRM IS REGISTERED WITH THE FOLLOWING DEPTTS.
(Give registration No., Date and attach copies of the necessary documents).

9.1 DP/ARMY OR ANY GOVT./SEMI GOVT. DEPTT: _____

9.2- IMPORT TRADE CONTROL DEPTT: _____

9.3- SALES TAX DEPTT: _____

9.4- INCOME TAX DEPTT: _____

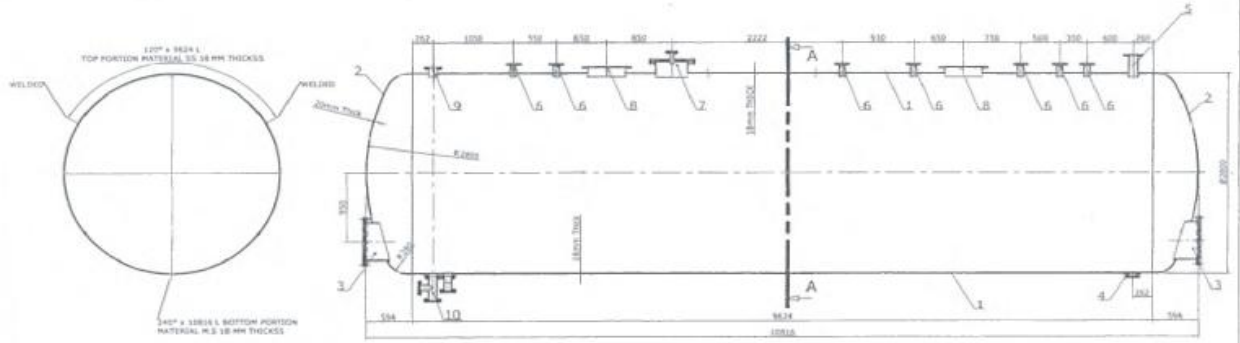
FINANCIAL STATUS: _____
(Bank certificate to be attached)

Signature _____

Name: _____

Stamp

Position: _____



SECTION "A-A"
DISH-END DETAIL

DRAWN				
TRACED		D. Man	C. Man	
CHECKED		T.O. - D.O.E		
APPROVED	50	MGR-MECH & SER		
DATE	31-01-2020			
SCALE	N.T.S	AMENDMENT		SIGR.
POF HAVELIAN CANTT				SEC. NC
Horizontal Agitated Mix / Spent Acid Tank (P- $\frac{12}{03}$)				GROUP M-I
BASED ON	SAMPLE	No. OF SHTS	10	DRG No. ODEIM.J0345
VETTED BY		SHT No.	01	FILING No. PFD1073/A