



HLL LIFECARE LIMITED
(Formerly Hindustan Latex Limited)
(A Government of India Enterprise)

KANAGALA

BELAGAVI DIST. PIN – 591 225

KARNATAKA STATE

PH.NO: 08333-279240, 279244. FAX: 08333-279245.

Website: www.lifecarehll.com

**E-mail: purchasekfb@lifecarehll.com
purchasenfkgmail.com**

TENDER NO.HL:BG:PS:GLR III:REACTOR:2019-20

TENDER DOCUMENT

FOR

MILD STEEL GLASS LINED REACTOR 2000 LITERS

SI No	Particulars	Date
1	Tender Publication Date	12-DEC-2019
2	Date and Time of Pre Bid Meeting & Venue	20-DEC-2019 @ 14:00 Hrs at HLL Lifecare Limited, Kanagala
3	Last Date and Time for Receipt of Technical & Price Bid	13-JAN-2020 up to 15:00 Hrs
4	Date and Time of Opening of Technical Bid	13-JAN-2020 @ 16:30 Hrs
5	Date and Time of Opening of Price Bid	Will be intimated later

NOTICE INVITING TENDER (NIT)

HLL Lifecare Limited (Formerly Hindustan Latex Ltd), India's leading Manufacturers and Marketers of Contraceptive, Health Care and Pharma Products is a Mini Ratna Company.

HLL Lifecare Limited (HLL), a PSU under the Ministry of Health & Family Welfare, Govt. of India invites Sealed & Superscribed Tenders under **Two Bid System (Technical & Price)** in the prescribed forms enclosed from Manufacturers / Authorized Dealers for the supply, erecting and commissioning of **MILD STEEL GLASS LINED REACTOR 2000 LITERS ON TURNKEY BASIS** at our Factory site at Kanagala, Belagavi Dist (Karnataka).

Specifications and Terms & Conditions etc., are detailed in Tender Documents. NIT / Tender Documents / NIT can be had from our Office on any working day between 11:00 AM to 3:30 PM by paying ₹ 590/- **only by Cash / DD (inclusive of GST @ 18%)** drawn in favor of HLL LIFECARE LTD, payable at State Bank of India, NIPANI – 591 237. Further, **Tender Documents can also be downloaded from our website: www.lifecarehll.com. However cost of Tender Documents i.e. ₹ 590/- only in the form of DD should be enclosed along with Technical Bid.**

NAME OF THE ITEM	QTY. REQUIRED (NOS.)
1. MILD STEEL GLASS LINED REACTOR 2000 LITERS. Specifications as detailed in ANNEXURE AN2.	01

- 1. Date of Pre Bid Meeting at HLL Kanagala : 20.12.2019 (14:00 Hrs.)**
- 2. Last Date and Time for Receipt of Technical & Price Bid : 13.01.2020 (15:00 Hrs.)**
- 3. Date and Time for Opening of Technical Bid : 13.01.2020 (16:30 Hrs.)**
4. In the event of the date/s mentioned above being declared subsequently as holiday/s for the Purchaser's Office, the due date for meeting, submission and opening of bids will be the next working day at the same venue and time.
5. Addendums / Amendments issued if any to this NIT / Tender Documents shall be part of this NIT / Tender Documents and shall be published in our website specified above. It is Bidders responsibility to keep themselves updated on any such Addendums / Amendments issued, if any.
6. In order to provide reasonable time to the Prospective Bidders to take necessary action in preparing their Tenders / Bids as per the Addendums / Amendments, HLL may, at its discretion extend the deadline for the submission of Tenders / Bids and other allied time frames, which are linked with that deadline.
7. **Earnest Money Deposit (Refundable):** Technical Bid should be accompanied with Earnest Money Deposit (EMD) in the form of Demand Draft (DD) drawn in favour of **M/s. HLL Lifecare Limited** payable at STATE BANK OF INDIA, NIPANI – 591 237 for a sum of ₹ **1,00,000/- only** failing which the Bid is likely to be rejected. The EMD submitted will be

refunded to the Bidder if his Bid is not accepted or after successful completion of the order awarded, but without any interest.

8. **Tender Cost (Non-refundable):** Technical Bid should be accompanied with Tender Cost in the form of Demand Draft (DD) drawn in favour of **M/s. HLL Lifecare Limited** payable at STATE BANK OF INDIA, NIPANI – 591 237 for a sum of **₹ 590/- only (inclusive of GST @ 18%)** failing which the Bid is likely to be rejected.
9. **Exemption (SSI / MSE Units):** Bidders interested in availing Exemption from payment of EMD should submit a Valid Copy of their **Udyog Aadhaar Registration Certificate** along with their Technical Bid. Technical Bids received without enclosure of Valid Copy of **Udyog Aadhaar Registration Certificate** will not be evaluated and summarily rejected.
10. **Technical Bids received without enclosures of EMD & Tender Cost in the form of DD's OR a Valid Copy of Udyog Aadhaar Registration Certificate, duly filled, signed and sealed URS will not be evaluated and summarily rejected. Price Bids should be as per Format in Schedule A. Price bids with deviations if any will be summarily rejected** Please note that HLL will not be responsible for any delay in submission of Tender.
11. Acceptance / Rejection of the Tender is entirely at the discretion of HLL.

DEPUTY GENERAL MANAGER (PURCHASE)

1) FORMATS FOR TECHNICAL BID

- a) INSTRUCTIONS TO THE BIDDERS (ANNEXURE AN1)
- b) SCOPE OF SUPPLY AND USER REQUIREMENT SPECIFICATION (ANNEXURE AN2)
- c) QUESTIONNAIRE FOR TECHNICAL QUALIFICATION (ANNEXURE AN3)
- d) DECLARATION ACCEPTING TERMS AND CONDITIONS OF THE TENDER (ANNEXURE AN4)
- e) FORMAT FOR MANUFACTURERS AUTHORIZATION FORM (ANNEXURE AN5)
- f) GENERAL CONDITIONS FORMING PART OF THE BID
- g) CHECK LIST TO BE SUBMITTED ALONG WITH TECHNICAL BID

2) FORMS FOR PRICE BID

- a) SCHEDULE - A: PRICE BID / RATE SCHEDULE (WITH TERMS & CONDITIONS)

NOTE: Technical Bid & Price Bid forms shall be submitted in Separate Covers.

How to send the Bid:

Both the Bids i.e. Technical Bid & Price Bid shall be submitted in sealed covers separately. Technical Bid & Price Bid shall be superscribed on the respective covers in order to clearly identify between the 2 Bids. The two separately marked Bids enclosed in single sealed cover with Tender NO. Complete in all respect addressed to The Deputy General Manager (Purchase), HLL Lifecare Ltd., Kanagala - 591 225 Dist. Belagavi, Karnataka State should reach us on or before the due date and time mentioned in the NIT. *Technical Bids and Price Bids those are not submitted in two separate sealed & super scribed covers are liable for rejection.*

CONTENTS OF THE BIDDING DOCUMENTS:

1. Technical Bid:

- a) DD for ₹ 1,00,000/- only towards EMD / Valid Copy of Udyog Aadhaar Registration Certificate.
- b) DD for ₹ 590/- only towards Tender Cost / Udyog Aadhaar Registration Certificate.
- c) SCOPE OF SUPPLY AND USER REQUIREMENT SPECIFICATION (ANNEXURE AN2) **duly filled, signed and sealed.** Details shall be enclosed as required by us.
- d) QUESTIONNAIRE FOR TECHNICAL QUALIFICATION (ANNEXURE AN3) **duly filled, signed and sealed.** Details shall be enclosed as required by us.
- e) DECLARATION ACCEPTING TERMS AND CONDITIONS OF THE TENDER (ANNEXURE AN4) (duly filled, signed and sealed on the letterhead of the Bidder firm).
- f) FORMAT FOR MANUFACTURERS AUTHORIZATION FORM (ANNEXURE AN5) (duly filled, signed and sealed on the letterhead of the Manufacturing firm).
- g) GENERAL CONDITIONS FORMING PART OF THE BID **duly signed and sealed.**
- h) CHECK LIST TO BE SUBMITTED ALONG WITH TECHNICAL BID **duly filled, signed and sealed.**

2. Price Bid:

- a) SCHEDULE - A: Price Bid / Rate Schedule (with Terms & Conditions) **duly filled, signed and sealed.**

INSTRUCTIONS TO THE BIDDERS
ANNEXURE AN1

1. The Quotation must to be in Two Parts i.e., **A. Technical Bid** and **B. Price Bid**.
2. The Bidder is expected to examine all Specifications, Instructions, Forms, and Terms & Conditions given in the Bidding Documents. Failure to furnish all information required in the Bidding Documents or submission of a Bid not substantially responsive to the Bidding Documents in every respect will be at the Bidders risk and may result in rejection of the Bid.
3. A Pre Bid Meeting will be held with the interested Bidders for discussion and clarification on the NIT on **20th Dec 2019 14:00 Hrs** at **HLL LIFECARE LIMITED, KANAGALA – 591 225, DIST- BELAGAVI, KARNATAKA STATE**.
4. Any clarification required will have to be obtained one week prior to the Date of opening of the Technical Bid. **For any technical clarifications please feel free to contact our Mr. V.G. Rajput at mail id: rajput@lifecarehll.com OR Cell NO.09448758804.**
5. Addendums / Amendments issued if any to this NIT / Tender Documents shall be part of this NIT / Tender Documents and shall be published in our website specified above. It is Bidders responsibility to keep themselves updated on any such Addendums / Amendments issued, if any.
6. In order to provide reasonable time to the Prospective Bidders to take necessary action in preparing their Tenders / Bids as per the Addendums / Amendments, HLL may, at its discretion extend the deadline for the submission of Tenders / Bids and other allied time frames, which are linked with that deadline.
7. Both, Technical Bid and Price Bid must be furnished in two separate sealed & super scribed covers.
8. Bids received after the deadline for submission shall not be considered.
9. **Technical Bid** must be furnished as shown in the **Contents of Bidding Documents @ Sl. NO.1** mentioned above and must be super scribed as **"TECHNICAL BID - MILD STEEL GLASS LINED REACTOR 2000 LITERS Ref: Tender NO.HL:BG:PS:GLR III:REACTOR:2019-20 / 12.12.2019"**.
10. **Price Bid** must be furnished as shown in the **Contents of Bidding Documents @ Sl. NO.2** mentioned above i.e., in **SCHEDULE – A** and must be super scribed as **"PRICE BID - MILD STEEL GLASS LINED REACTOR 2000 LITERS Ref: Tender NO.HL:BG:PS:GLR III:REACTOR:2019-20 / 12.12.2019"**.
11. Technical Bids and Price Bids those are not submitted in two separate sealed & super scribed covers are liable for rejection.
12. **Enclose additional sheets, if necessary, to highlight the deviations from the Technical Bid and Price Bid. Provide proper reference to these additional sheets in the Technical Bid and Price Bid.**
13. The Evaluation of the Technical Bid is carried on the Responses given in the Technical Bid.
14. Price Bid of a particular Bidder would be considered for opening only if their Technical Bid is qualified. **The date & time of opening of Price Bid will be intimated separately.**
15. The Price Bid of those Bidders who do not qualify will be returned unopened.
16. Acceptance / Rejection of the Tender is entirely at the discretion of HLL.
17. **Bids received by FAX / E-MAIL will not be considered.**

**SCOPE OF SUPPLY AND USER REQUIREMENT SPECIFICATION
MILD STEEL GLASS LINED REACTOR 2000 LITERS
ANNEXURE AN2**

SL. NO.	SCOPE OF SUPPLY
1	Glass Line Reactor with Condenser and Receiver: Manufacture, Supply, loading & unloading at HLL, Erection, Installation, Commissioning on TURNKEY BASIS as per detailed specification given in the document.
2	Care has to be taken by manufacturer to ensure that all the used materials for manufacturing are compatible to our process.
3	Piping for Utilities from Reactor to Utility Point will be in Supplier's Scope.
4	Party has to include any kind of civil work in their scope.
5	The Supplier has to arrange for Manpower, Tools and Consumables including fasteners (MOC SS 316).
6	All Electrical Wiring, Internal to the Machine, as per current Electricity Rules are in the Supplier's Scope..
7	Starter is in the scope of supply; however Incoming Supply and its Termination will be in the scope of HLL.
8	The Party has to submit the Design Qualification Drawing (GA) and Electrical Wiring diagram with appropriate Ferrule numbering for all nodes, without omission and duplication, and documents for approval before commencement of manufacturing.
9	The Supplier should arrange a Factory Acceptance Test once the manufacturing is complete.
10	All Qualification documents are to be approved by HLL prior to Installation and Operational Qualification at site.

USER REQUIREMENT SPECIFICATION

MILD STEEL GLASS LINED REACTOR 2000 LITERS

Capacity	2000 Liters
Type:	Flanged Construction, GMP Model
Agitator	Anchor Type – 48 rpm- Glass Lined
Operating Pressure	4.5 kg/cm ² / Full Vacuum
Design Pressure	6 Kg/cm ² (Pressure Test @ NLT 6 kg/cm ²)
Operating Temperature	-10 to 145°C
Design Temperature	-15 to 170°C
A.1 SHELL	
Material of Construction	MS Shell with Internal Surface Glass Lined
Thickness of Glass Lining	1 to 2.2 mm thick
Discharge Valve	SS Glass Lined Bottom Flush Valve
A.2 JACKET	
Type	Baffled Type
Material of Construction	MS
Operating Pressure	5 Kg/cm ² to 6 kg/cm ² (Max)
Design Pressure	6 kg/cm ² (Max Steam Pressure 6 kg/cm ²)
Operating Temperature	-10°C to 180°C
Design Temperature	-20°C to 200°C
A.3 INSULATION	
Shell	Rockwool/Mineral Wool (120 Kg/m ³) 32mm + Polyurethane Foam 50 mm
Top Dish	10mm Armacell or 25 mm Rock Wool/ Mineral Wool 120 kg/m ³
Jacket Insulation Cladding	SS 304 3mm thick 180 GRIT finish
A.4 DRIVE UNIT	
Motor Specification	Flame proof Motor, Type TEFC, Suitable rating: 7.5 HP (Min), 3-Phase, 4 Pole, 415 VAC, 50 Hz, Speed 1440 rpm, Rating Continuous, Make: Siemens / Crompton Greaves / Hindustan Motors / Bharat Bijali / ABB

Gear Box	Bonfiglioli Make Helical Gear Box.
Stuffing Box	Double Mechanical Seal – Make Eagle-Burgmann / Rolon / hifab Equivalent
A.5 CONDENSOR	
Orientation	Vertical
Heat Transfer Area	4 m ²
MOC	MS, Glass Lined
Type	Shell in Shell
Glass Line	1 to 2.2mm thk
Vapour Space Design Pressure	6 kg/cm ² / Full Vacuum
Jacket Working Temperature	-25°C to 200°C
Jacket Design Pressure	6 kg/cm ²
Insulation	Rock Wool/Mineral Wool (120 kg/m ³) + PUF 25mm each
Cladding	SS 304 3mm thick- 180 GRIT finish
A.6 RECEIVER	
Type	Glass Lined, Jacketed Type, GMP Model
Material of Construction	MS
Capacity	250 Liters
Shell Operating pressure	1 kg/cm ²
Shell Design Pressure	6 kg/cm ²
Shell Operating Temperature	-10°C to 140°C
Shell Design Temperature	-10°C to 170°C
Shell Accessories	1. View Glass 2. Light Glass
Jacket Operating Temperature	-20°C to 180°C
Jacket Operating Pressure	4 Kg/cm ² to 5 Kg/cm ²
Jacket Design Pressure	6 kg/cm ²
Insulation	Rock Wool/Mineral Wool (32mm) + PUF (50 mm), SS 304 Cladding 180 GRIT finish
A.7 TOP DISH ACCESORIES REQUIREMENTS (Shell)	
1. Manhole with Charging Hole (Hinged Assembly with Counter Weight)	

2. Thermowell for GLR with RTD sensor	
3. View Glass and Light Glass with GLR	
A.8 MS GLASSLINED PIPES AND FITTINGS	
MS Glasslined Vapor column from GLR vapor nozzle to Condenser	
MS Glass lined Condensate line from Condenser to Receiver	
MS Glass lined reflux line	
Above piping should be With necessary valves, bends and Tee and vapor line thermowell	
A.9 ACCESSORIES / PANEL PART	
Discharge Valve for GLR	With view glass and ball valve (for sampling) at discharge end.
Control Panel	<p>1. Electrical control panel will consists VFD for change the speed, Start / Stop & Protection of the Motor, Provision for Local Start / Stop, external interlocks etc... duly wired control panel. It will be installed at Non Flame proof area given by HLL.</p> <p>2. Flame proof control panel (Enclosure) will be installed near to the centrifuge machine, will have provision to start / stop the Motor, Change the speed by Potentiometer, Indicators for Motor On, Off, Trip, Inter lock failed etc... Digital RPM Indicator with provision for display scaling. & Digital temperature Indicator.</p> <p>Above both panels and accessories Design, Supply, Installation, Inter connections, Commissioning, Testing etc... with all materials in vendor scope. Approval should be taken for Panels design & Bill of materials used.</p> <p>HLL will provide Electrical Power to the control panel only.</p> <p>All Instruments / indicators / control panels / terminations / wires / glands should comply for application in flameproof gas zones II A and II B and Flameproof certificate from Manufacturer must be produced for all such items used.</p>
Discharge valve for receiver	SS Ball Valve
All Instruments/Indicators/Control Panels/Terminations/Wires/Glands should comply for application in Flameproof Gas Zones II A and II B and Flameproof Certificate from Manufacturer must be produced for all such items used.	

<p>Motor Body Earthing: Double Earthing to Motor body with Copper Wire of suitable size up to the System Grid. Static Electricity Discharge Device – Self Testing crocodile clamp (Bond-Rite) with built-in LED Indicators for Safety in Critical Operations which may cause corrosion.</p>	
<p>Operating Panel with LED Temperature Display, Star Delta Starter everything in flameproof enclosure.</p>	
<p>Safety Valve on Shell and Jacket @ 6kg/cm²</p>	
<p>Extra PTFE gaskets and nuts and bolts required should be supplied</p>	
<p>Flame proof Certificate of Connectors, flameproof Cables should be provided.</p>	
<p>A.10 INSTRUMENTATION PART</p>	
Shell Accessories for Receiver	<ol style="list-style-type: none"> 1. Compound Gauge 2. Temperature Gauge
FOR GLR	<ol style="list-style-type: none"> 1. Thermometer for Temperature measurement 2. Compound Gauges for Shell 3. Pressure Gauge for Jacket 4. Temperature Gauge with flameproof enclosed LED display.
FOR GLR and Receiver	Lamp (with Flameproof enclosure)
<p>All Instruments/Indicators/Control Panels/Terminations/Wires/Glands should comply for application in Flameproof Gas Zones II A and II B and Flameproof Certificate must be produced for all such items used.</p>	
<p>Valid Calibration Certificates for all Temperature and Pressure Gauges at least for 6 months at the time of Commissioning.</p>	
<p>Receiver Jacket Accessories: Pressure Gauge</p>	
<p>A.11 ON SITE PIPE AND PIPE FITTING'S</p>	
<p>All the necessary utility lines will be provided up to System Room close to GLR by HLL</p>	
<p>Connection of same to GLR System will be in supplier scope to max of 20 mtrs (including all lines)</p>	
<p>All Parts should be clearly indicated in the GA Drawing with Part No. And details of Manufacturer and brief specification to be given in the Qualification document.</p>	

B. SPECIFIC REQUIREMENTS

<p>B.1 TECHNICAL</p>	
1.	All Gaskets should be of MOC PTFE
2.	All Flanges should be as per ASME B 16.5 Standards

3.	All Pipe schedules should be NB based Standard
4.	All Instruments / Indicators / Control Panels / Terminations / Wires / Glands should comply for application in Flameproof Gas Zones II A and II B and Flameproof Certificate must be produced for all such items used.
5.	Motor Body Earthing: Double Earthing to Motor body with Copper Wire of suitable size up to the System Grid. Static Electricity Discharge Device – Self Testing crocodile clamp (Bond-Rite) with built-in LED Indicators for Safety in Critical Operations which may cause corrosion.
6.	Operating Panel with LED Temperature Display, Star Delta Starter everything in flameproof enclosure.
7.	Safety Valve on Shell and Jacket @ 6kg/cm²

B.2 DOCUMENTATION	
1.	The document should include approved DQ, approved Installation and Operational Qualification Protocols with As Built GA and Electrical Drawings.
2.	Material of Construction of all the Gaskets should be PTFE with Certificate for MOC
3.	Flameproof Certificate for all Motors, Enclosures, Connectors, and flameproof Cables should be provided.
4.	Test Certificates for Motor, Gearbox with Serial No. from Manufacturers
5.	Valid Calibration Certificates for all Temperature and Pressure Gauges at least for 6 months at the time of Commissioning.
6.	Name Plates should be provided on Reactor, Condenser and Receiver with details of Manufacturer, Capacity and Material of Construction.
7.	All Parts should be clearly indicated in the GA Drawing with Part No. And details of Manufacturer and brief specification to be given in the Qualification document.

- Party should produce Proof from at least 03 (Three) Supplies that are using similar type of equipment for a period of Minimum 01 (One) Year along with Purchase Order Copies or Performance Certificates along with E-mail ID/Telephone No. of the Person to whom HLL can contact for enquiry or visit to their premises for confirmation if demanded by HLL.

We have read and understood the above Specifications and agree to abide by the same.

**Place:
Date:**

**Signature of the Bidder
Name, Seal and Address of the Bidder**

Name and Address of the Bidder along with details of the GST Registrations:
Authorized Signatory's Name, Designation and Signature for all correspondence

All the information provided herein is true & correct.

List of Enclosures to Technical Bid:

1. _____
2. _____
3. _____
4. _____
5. _____

SPECIAL NOTE:

1. The Bid should include specific answers strictly with respect to our Tender Specifications and Specification deviation if any, should be highlighted with clarifications. Otherwise, the Bid will not be considered. **Wherever space is insufficient, please enclose separate sheets.**
2. The Bid along with its enclosures should be furnished with Original only. **Bid received by FAX / E-MAIL will not be considered.**
3. **The Bidder should furnish the quantitative values with respect to specified values in the Technical Specification of the Quote clearly instead of mentioning either "Complied" , "Agreed" or "Confirmed" etc., otherwise, the Tender Quote is liable to be Rejected.**

Place:
Date:

Signature of the Bidder
Name, Seal and Address of the Bidder

QUESTIONNAIRE FOR TECHNICAL QUALIFICATION
ANNEXURE AN3

CRITERIA	REQUIREMENT AS PER URS	BIDDER'S OFFER	MODE OF PROOF	DEVIATION / REMARKS
Capacity	2000 Liters		Self Decln	
Type	Flanged Construction, GMP Model		Self Decln	
Agitator	Anchor Type – 48 rpm- Glass Lined		Self Decln	
Operating Pressure	4.5 kg/cm ² / Full Vacuum		Self Decln	
Design Pressure	6 Kg/cm ² (Pressure Test @ NLT 6 kg/cm ²)		Self Decln	
Operating Temperature	-10 to 145°C		Self Decln	
Design Temperature	-15 to 170°C		Self Decln	
A.1 SHELL				
Material Construction of	MS Shell with Internal Surface Glass Lined		Self Decln	
Thickness of Glass Lining	1 to 2.2 mm thick		Self Decln	
Discharge Valve	SS Glass Lined Bottom Flush Valve		Self Decln	
A.2 JACKET				
Type	Baffled Type		Self Decln	
Material Construction of	MS		Self Decln	
Operating Pressure	5 Kg/cm ² to 6 kg/cm ² (Max)		Self Decln	
Design Pressure	6 kg/cm ² (Max Steam Pressure 6 kg/cm ²)		Self Decln	
Operating Temperature	-10°C to 180°C		Self Decln	
Design Temp	-20°C to 200°C		Self Decln	
A.3 INSULATION				
Shell	Rockwool/Mineral Wool (120 Kg/m ³) 32mm + Polyurethane Foam 50 mm		Self Decln	
Top Dish	10mm Armacell or 25 mm Rock Wool/ Mineral Wool 120 kg/m ³		Self Decln	
Jacket Insulation Cladding	SS 304 3mm thick 180 GRIT finish		Self Decln	
A.4 DRIVE UNIT				
Motor Specification	Flame proof Motor, Type TEFC, Suitable rating: 7.5 HP(Min), 3-Phase, 4 Pole, 415 VAC, 50 Hz, Speed 1440 rpm, Rating Continuous, Make: Siemens / Crompton Greaves / Hindustan Motors / Bharat Bijali / ABB		Self Decln	

Gear Box	Bonfiglioli Make Helical Gear Box.		Self Decln	
Stuffing Box	Double Mechanical Seal – Make Eagle-Burgmann / Rolon / hifab Equivalent		Self Decln	
A.5 CONDENSOR				
Orientation	Vertical		Self Decln	
Heat Transfer Area	4 m ²		Self Decln	
MOC	MS, Glass Lined		Self Decln	
Type	Shell in Shell		Self Decln	
Glass Line	1 to 2.2mm thk		Self Decln	
Vapour Space Design Pressure	6 kg/cm ² / Full Vacuum		Self Decln	
Jacket Working Temperature	-25°C to 200°C		Self Decln	
Jacket Design Pressure	6 kg/cm ²		Self Decln	
Insulation	Rock Wool/Mineral Wool (120 kg/m ³) + PUF 25mm each		Self Decln	
Cladding	SS 304 3mm thick- 180 GRIT finish		Self Decln	
A.6 RECEIVER				
Type	Glass Lined, Jacketed Type, GMP Model		Self Decln	
Material of Construction	MS		Self Decln	
Capacity	250 Liters		Self Decln	
Shell Operating pressure	1 kg/cm ²		Self Decln	
Shell Design Pressure	6 kg/cm ²		Self Decln	
Shell Operating Temperature	-10°C to 140°C		Self Decln	
Shell Design Temperature	-10°C to 170°C		Self Decln	
Shell Accessories	1. View Glass 2. Light Glass		Self Decln	
Jacket Operating Temperature	-20°C to 180°C		Self Decln	
Jacket Operating Pressure	4 Kg/cm ² to 5 Kg/cm ²		Self Decln	
Jacket Design Pressure	6 kg/cm ²		Self Decln	
Insulation	Rock Wool/Mineral Wool (32mm) + PUF (50 mm), SS 304 Cladding 180 GRIT finish		Self Decln	
A.7 TOP DISH ACCESORIES REQUIREMENTS (Shell)				
1.	Manhole with Charging Hole (Hinged Assembly with Counter Weight)		Self Decln	

2. Thermowell for GLR with RTD sensor		Self Decln	
3. View Glass and Light Glass with GLR		Self Decln	
A.8 MS GLASSLINED PIPES AND FITTINGS			
MS Glass lined Vapor column from GLR vapor nozzle to Condenser		Self Decln	
MS Glass lined Condensate line from Condenser to Receiver		Self Decln	
MS Glass lined reflux line		Self Decln	
Above piping should be With necessary valves, bends and Tee and vapor line thermowell		Self Decln	
A.9 ACCESSORIES / PANEL PART			
Discharge Valve for GLR	With view glass and ball valve (for sampling) at discharge end.	Self Decln	
Control Panel	<p>1. Electrical control panel will consist VFD for change the speed, Start / Stop & Protection of the Motor, Provision for Local Start / Stop, external interlocks etc... duly wired control panel. It will be installed at Non Flame proof area given by HLL.</p> <p>2. Flame proof control panel (Enclosure) will be installed near to the centrifuge machine, will have provision to start / stop the Motor, Change the speed by Potentiometer, Indicators for Motor On, Off, Trip, inter lock failed etc... Digital RPM Indicator with provision for display scaling. & Digital temperature Indicator.</p> <p>Above both panels and accessories Design, Supply, Installation, inter connections, Commissioning, Testing etc... with all materials in vendor scope. Approval should be taken for Panels design & Bill of materials used.</p> <p>HLL will provide Electrical Power to the control panel only.</p> <p>All Instruments / indicators / control panels / terminations / wires / glands should comply for application in flameproof gas zones II A and II B and Flameproof certificate must be produced for all such items</p>	Self Decln	

	used.			
Discharge valve for receiver	SS Ball Valve		Self Decln	
All Instruments / Indicators / Control Panels / Terminations / Wires / Glands should comply for application in Flameproof Gas Zones II A and II B and Flameproof Certificate must be produced for all such items used.			Self Decln	
Motor Body Earthing: Double Earthing to Motor body with Copper Wire of suitable size up to the System Grid. Static Electricity Discharge Device – Self Testing crocodile clamp (Bond-Rite) with built-in LED Indicators for Safety in Critical Operations which may cause corrosion.			Self Decln	
Operating Panel with LED Temperature Display, Star Delta Starter everything in flameproof enclosure.			Self Decln	
Safety Valve on Shell and Jacket @ 6kg/cm²			Self Decln	
Extra PTFE gaskets and nuts and bolts required should be supplied			Self Decln	
Flame proof Certificate of Connectors, flameproof Cables should be provided.			Self Decln	
A.10 INSTRUMENTATION PART				
Shell Accessories for Receiver	1. Compound Gauge 2. Temperature Gauge		Self Decln	
FOR GLR	1.Thermometer for Temperature measurement 2.Compound Gauges for Shell 3.Pressure Gauge for Jacket 4.Temperature Gauge with flameproof enclosed LED display.		Self Decln	
FOR GLR and Receiver	Lamp (with Flameproof enclosure)		Self Decln	
All Instruments / Indicators / Control Panels / Terminations / Wires / Glands should comply for application in Flameproof Gas Zones II A and II B and Flameproof Certificate must be produced for all such items used.			Self Decln	
Valid Calibration Certificates for all Temperature and Pressure Gauges at least for 6 months at the time of Commissioning.			Self Decln	
Receiver Jacket Accessories: Pressure Gauge			Self Decln	
A.11 ON SITE PIPE AND PIPE FITTING'S				
All the necessary utility lines will be provided up to System Room close to GLR by HLL			Self Decln	
Connection of same to GLR System will be in supplier scope to max of 20 mtrs (including all lines)			Self Decln	
All Parts should be clearly indicated in the GA Drawing with Part No. And details of Manufacturer and brief specification to be given in the Qualification document.			Self Decln	
B. SPECIFIC REQUIREMENTS				
B.1 TECHNICAL				

1. All Gaskets should be of MOC PTFE		Self Decln	
2. All Flanges should be as per ASME B 16.5 Standards		Self Decln	
3. All Pipe schedules should be NB based Standard		Self Decln	
4. All Instruments / Indicators / Control Panels / Terminations / Wires / Glands should comply for application in Flameproof Gas Zones II A and II B and Flameproof Certificate must be produced for all such items used.		Self Decln	
5. Motor Body Earthing: Double Earthing to Motor body with Copper Wire of suitable size up to the System Grid. Static Electricity Discharge Device – Self Testing crocodile clamp (Bond-Rite) with built-in LED Indicators for Safety in Critical Operations which may cause corrosion.		Self Decln	
6. Operating Panel with LED Temperature Display, Star Delta Starter everything in flameproof enclosure.		Self Decln	
7. Safety Valve on Shell and Jacket @ 6kg/cm²		Self Decln	
B.2 DOCUMENTATION			
The document should include approved DQ, approved Installation and Operational Qualification Protocols with As Built GA and Electrical Drawings.		Self Decln	
Material of Construction of all the Gaskets should be PTFE with Certificate for MOC		Self Decln	
Flameproof Certificate from Manufacturer for all Motors, Enclosures, Connectors, and flameproof Cables should be provided.		Self Decln	
Test Certificates for Motor, Gearbox with Serial No. from Manufacturers		Self Decln	
Valid Calibration Certificates for all Temperature and Pressure Gauges at least for 6 months at the time of Commissioning.		Self Decln	
Name Plates should be provided on Reactor, Condenser and Receiver with details of Manufacturer, Capacity and Material of Construction.		Self Decln	
All Parts should be clearly indicated in the GA Drawing with Part No. And details of Manufacturer and brief specification to be given in the Qualification document.		Self Decln	
Party should produce Proof from at least 03 (Three) Supplies that are using similar type of equipment for a period of Minimum 01 (One) Year along with Purchase Order Copies or Performance Certificates along with E-mail ID/Telephone No. of the Person to whom HLL can contact for enquiry or visit to their premises for confirmation if demanded by HLL.		Purchase Order / Performance Certificates	

Note: Wherever space is insufficient, please enclose separate sheets if necessary to highlight the deviations and provide proper reference to these additional sheets.

Place:

Date:

Signature of the Bidder

Name, Seal and Address of the Bidder

**DECLARATION ACCEPTING TERMS AND CONDITIONS OF THE TENDER
ANNEXURE AN4**

Date_____

To:

HLL Lifecare Limited
(A Govt. of India Enterprise)
Kanagala – 591225.
Tal: Hukkeri, Dist: Belagavi,
Karnataka, India

Dear Sirs,

Ref. Your TE document No. _____ dated _____

We, the undersigned have examined the above-mentioned TE document, including amendment/corrigendum No. _____, dated _____ (if any), the receipt of which is hereby confirmed. We now offer to supply and deliver_____ (Description of goods and services) in conformity with your above referred document for the sum as shown in the price schedule(s), attached herewith in a separate envelope and made part of this tender.

If our tender is accepted, we undertake to supply the goods and perform the services as mentioned above, in accordance with the delivery schedule specified in the List of Requirements.

We further confirm that, if our tender is accepted, we shall provide you with a performance security of required amount in an acceptable form, for due performance of the contract. We agree to keep our tender valid for the period mentioned in the tender notification. We also accordingly confirm to abide by this tender up to the aforesaid period and this tender may be accepted any time before the expiry of the aforesaid period. We further confirm that, until a formal contract is executed, this tender read with your written acceptance thereof within the aforesaid period shall constitute a binding contract between us.

We further understand that you are not bound to accept the lowest or any tender you may receive against your above-referred tender enquiry.

We confirm that we do not stand deregistered/banned/blacklisted by any Govt. Authorities.

We confirm that we fully agree to the terms and conditions specified in above mentioned TE document, including amendment/ corrigendum if any

(Signature with date)

(Name and Designation) Duly Authorized to sign Tender for and on behalf of
M/s._____

Office Seal

**FORMAT FOR MANUFACTURERS AUTHORIZATION FORM
ANNEXURE AN5**

Date_____

To:
HLL Lifecare Limited
(A Govt. of India Enterprise)
Kanagala – 591225.
Tal: Hukkeri, Dist: Belagavi,
Karnataka, India

Dear Sirs,

Ref. Your TE document No. _____ dated _____

We, _____ who are proven and reputable manufacturers of _____(name and description of the goods offered in the tender) having _____ factories at _____, hereby authorize M/s. _____(name and address of the agent) to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We further confirm that no supplier or firm or individual other than M/s. _____ (name and address of the above agent) is authorized to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We also hereby extend our full warranty, CMC as applicable as per General Conditions of Contract, read with modification, if any, for the goods and services offered for supply by the above firm against this TE document.

Yours faithfully,

[Signature with date, name and designation] for and on behalf of M/s. _____

[Name & address of the manufacturer]

Note:

1. *This letter of authorization should be on the letterhead of the manufacturing firm and should be signed by a person competent and having the power of attorney to legally bind the manufacturer.*
2. *Original letter may be sent.*

GENERAL CONDITIONS FORMING PART OF BID

This is Two- Bid System comprising of:

- A) Technical Bid**
- B) Price Bid**

1. Both the Bids shall be submitted in sealed covers separately. Tender NO. of Technical Bid and Price Bid shall be superscribed on the respective covers in order to clearly identify between the 2 Bids. The two separately marked Bids enclosed in single sealed cover with the respective Tender NO. mentioned thereon, complete in all respect, addressed to *THE DEPUTY GENERAL MANAGER (PURCHASE) HLL LIFECARE LTD., KANAGALA – 591 225, DIST- BELAGAVI, KARNATAKA STATE, INDIA* should reach us on or before the due date and time mentioned in the NIT. The Purchaser shall not be responsible for postal delay if any, in the delivery of the Bidding Document or non-receipt of the same.

2. EMD of ₹ 1,00,000/- only should be remitted by DD only, drawn in favor of HLL Lifecare Limited, payable at State Bank of India, Nipani – 591 237 and shall be enclosed along with the Technical Bid. **However, SSI / MSE Units** interested in availing Exemption from payment of EMD and Tender Cost should submit a Valid Copy of their Udyog Aadhaar Registration Certificate along with their Technical Bid.

3. Bids received after the deadline for the submission will not be considered.

4. Un-sealed Tenders received are liable to be rejected and this will be on sole risk of Bidders.

5. The Bidder is expected to examine all Specifications, Instructions, Forms, Terms & Conditions given in the Tender Document.

6. The Tender should be complete in all respects & incomplete Tenders are liable to be rejected.

7. Description and Specification should be the same as given in the Enquiry / Tender / NIT.

8. Any change in the Description or Specification shall be at the specific instruction of HLL. In case an offer of a brand is being made, the offer should be as per the Description given in the NIT / Tender and the brand name to be given in bracket. A Separate Sheet should be attached.

9. HLL Lifecare Limited reserves the right to split up the order for the entire quantity on more than a supplier and also reserves the right to accept or reject the offer without assigning any reason.

10. Addendums / Amendments issued if any to this NIT / Tender Documents shall be part of this NIT / Tender Documents and shall be informed to the Bidders who have purchased the NIT / Tender Documents or shall be published in our website. The Bidders are advised to check our website specified above to download the Addendums / Amendments issued, if any.

11. THERE WILL NOT BE ANY POST TENDER NEGOTIATION EXCEPT WITH 1st LOWEST.

GENERAL CONDITIONS FORMING PART OF BID

12. Security Deposit of 5% of the total order value should be deposited.

13. The Parties have to abide by Delivery Schedule strictly. HLL Lifecare Limited reserves the right to impose Penalty @ 0.5% value of the delayed material per week of delay subject to a maximum of 7.5% of the value of the supply defaulted if material is delayed beyond the due date and accepted by the Company.

14. Acceptance of the delayed supplies subject to Penalty Clause is solely at the discretion of the Company (HLL Lifecare Limited).

15. Rejected material should be taken back and replaced with supplier's cost within 7 (seven) days.

16. Dispatch Documents like Delivery Note, Packing List and Invoice should contain the following details:

- a) Purchase Order NO. / Supply Order NO. & Date.
- b) Description of Items as contained in the Purchase Order.
- c) Quantity Dispatched
- d) Total NO. of Packages.

17. The following information shall be stenciled or labeled on the exterior of the packing in bold letters, clearly visible, at least 50 mm high with waterproof ink.

- A. Instruction for Storage and Handling.
- B. Name and Address of Manufacturer.
- C. Companies Address in full.
- D. All Packages should be numbered and it should appear on top of the packages serially.

18. The Jurisdiction of any disputes, suits and proceedings arising out of this NIT / Tender shall be only in the Courts of Hukkeri Taluk, Belagavi Dist. / Trivandrum.

19. Indemnity Clause

If the Supplier fails to execute the order within the time prescribed for the delivery of goods ordered or violates or infringes the existing rates as mentioned and agreed to in the Purchase Order the Supplier shall and will indemnify the Company against all losses or damages whatsoever to be incurred or sustained including the legal cost or expenses incurred by the Company by reason of non-delivery of goods at agreed quantity and rate within the time specified in the Purchase Order. The Company will initiate legal action if the Supplier fails to execute the Purchase Order as per the schedule in the Purchase Order for the actual loss suffered or 5% of the total order value whichever is higher along with costs.

20. HLL Lifecare Limited shall fix the criteria for responsiveness of a Bid based on critical factors in the Tender Document. Bids pronounced non-responsive by HLL shall be summarily rejected.

21. Suppression of facts will disqualify the Bidder.

GENERAL CONDITIONS FORMING PART OF BID

22. Payment Terms: Our intention is to make payment by cheque within 30 days of receipt; inspection and acceptance of the material and thro RTGS

23. HLL Lifecare Limited reserves the right to qualify or not a Tender without assigning any reasons. The decision of HLL will be final and no correspondence will be entertained in this regard.

24. The Tender is liable to be suspended or cancelled at anytime at the discretion of the Company without assigning any reasons.

We have read and understood the above Conditions and agree to abide by the same.

Place:

Date:

Signature of the Bidder

Name, Seal and Address of the Bidder

CHECK LIST TO BE SUBMITTED ALONG WITH TECHNICAL BID

Sl No	Particulars	Yes	No
1	Are you a Manufacturer?		
2	If No, whether Authorization Letter from Manufacturer enclosed as per ANNEXURE AN5 ?		
3	Are you a MSE Unit?		
4	If Yes, whether Udyog Aadhaar Registration Certificate enclosed?		
5	If No, whether EMD & Tender Fee submitted as per Tender?		
6	Have you thoroughly gone through Instructions To The Bidders ANNEXURE AN1 ?		
7	Whether Scope of Supply And User Requirement Specification (ANNEXURE AN2) duly filled, signed and stamped enclosed?		
8	Whether Questionnaire for Technical Qualification (ANNEXURE AN3) duly filled, signed and stamped enclosed?		
9	Whether the required documents are enclosed?		
10	Whether Declaration Accepting Terms and Conditions of The Tender (ANNEXURE AN4) duly filled, signed and stamped on your letterhead enclosed?		
11	Whether GENERAL CONDITIONS FORMING PART OF THE BID duly signed and stamped enclosed?		
12	Whether Price Bid format filled as per our SCHEDULE - A: PRICE BID / RATE SCHEDULE submitted in a separate sealed & superscribed envelope?		
13	Have you attended the scheduled Pre Bid Meeting as mentioned in our Tender or Corrigendum published in our Website / CPP Portal?		

Place:
Date:

Signature of the Bidder
Name, Seal and Address of the Bidder

SCHEDULE - A: PRICE BID

ITEM: SUPPLY, INSTALLATION AND COMMISSIONING OF MILD STEEL GLASS LINED REACTOR 2000 LITERS – Qty: 01 NO.

SL. NO.	Scope of Supply / Work	Basic Price	GST		Total
			%	Amt	
1	Supply, Installation, Commissioning of Reactor with Complete Attachments, Fittings, Accessories, Consumables, Civil Work, Fabrication, Packing, Freight, Insurance, Loading, Unloading Charges i.e., on Turnkey basis				
GRAND TOTAL F.O.R. HLL STORES KANAGALA					
Rupees in words _____					

DELIVERY PERIOD: THIS TURNKEY PROJECT SHOULD BE COMPLETED WITHIN 8 WEEKS FROM THE DATE OF ORDER

TERMS AND CONDITIONS OF PRICE BID:

1. Price Bid should be submitted in this format only. If submitted in any other format, the same will be summarily rejected.
2. Please furnish your **GSTIN**. *Enclose supporting document.*
3. **HSN Code & Rate (%) of GST applicable** shall be clearly mentioned.
4. The rate should be inclusive of all for Supply, Installation & Commissioning on TURN KEY BASIS.
5. Civil Works, if any, required for Installation, Foundation laying etc., to be carried out by the party.
6. Party should take care of all Safety Measures and should obtain Work Permit from our Safety Dept. before starting the work.
7. In case of any damages caused to our (HLL Lifecare Limited) property by you/ your workmen while executing the above job, the Company (HLL Lifecare Limited) shall recover the cost of such damages from you.
8. In the event of any accident to your workmen or personnel while executing the above job in the Company's Premises (HLL Lifecare Limited), you shall pay the compensation as per the Workmen's Compensation Act and the rates framed there under.
9. Statutory Deductions, if any, applicable, like PF, ESI, Work Contract Tax and TDS etc., will be recovered from your payment.

10. There will not be any post Tender negotiation except with L1 (Lowest).
11. There shall not be Corrections / Overwriting in Price Bid, if so, same are to be attested.
12. **Rate shall be quoted in the enclosed format only. Please refer SCHEDULE - A: PRICE BID.**
13. **Rates quoted shall be valid for a period of one year, from the date of your Offer.**
14. Specifications of Items are as per Notice Inviting Tender (NIT).

We have read and understood the above Conditions and agree to abide by the same.

Place:
Date:

Signature of the Bidder
Name, Seal and Address of the Bidder

Note: We are utilizing services of M/s. Shree Maruti Courier Services for incoming and outgoing Letters / Parcels on day-to-day basis.