

Dear Sir,

HLL Lifecare Limited, Thiruvananthapuram now invites the competitive bids from the eligible bidders to supply and installation of Online UPSs for our Akkulam Factory, Thiruvananthapuram and Irapuram Factory, Eranakulam under buyback Scheme. The specification of required UPSs is given in **Annexure-1**. The details of the old UPSs are given in **Annexure-2**.

The terms and conditions of the bid are given below.

1. The prices should be quoted as per the format for price schedule enclosed (**Annexure-3**)
2. The prices quoted shall be valid for a period of 90 days from the date of opening of bids.
3. The bids will be evaluated by taking the total amount quoted for all the items in the bid.
4. The total price of the items is calculated as follows;

Total Price = Actual price of the new UPSs – Price of old UPSs.

5. The bids should contain the complete technical specifications of the equipment supported with illustrative literatures.
6. The items should be delivered within **3 Weeks** from the date of placement of order.
7. Penalty @ 0.5% per week's delay subject to a maximum of 5% is applicable for delayed delivery.
8. Successful bidder has to arrange their own transport to shift the old UPSs to their site after the installation of new UPSs.
9. The bidders are allowed to inspect the old UPSs if they require with prior permission from the undersigned. The request should be in writing and addressed to the undersigned.
10. Successful bidder should provide warranty and free service for a minimum period of **three years** from the date of installation of the items supplied. All the defective items should be replaced at free of cost during the warranty period.
11. Payment will be released within 30 days from the date of Installation. For claiming the payment, the following documents are to be submitted.
  - a. Three copies of Invoice
  - b. Delivery/Installation report duly signed by the concerned person of HLL and representatives of the supplier.
  - c. Warranty certificate

12. Bids should be clear in all respects and those with ambiguous clauses shall be summarily rejected.
13. Any dispute arising out of the tender/bid document/ evaluation of bids/issue of purchase order shall be subject to the jurisdiction of the competent court at Thiruvananthapuram only.
14. The bidder should have service support Center at Thiruvananthapuram and Ernakulam .The details of the same may be furnished along with the bid.
15. The bids should be submitted at the following address.

**Associate Vice President (IT),  
HLL Lifecare Limited,  
Corporate and Registered Office,  
HLL Bhavan, Poojappura,  
Thiruvananthapuram – 695 012.**

16. Bids should be submitted latest by **15:00 Hrs on 07.02.2014** and the same **will be opened at 15:30 Hrs on the same day** at the above mentioned address in the presence of the representative of the bidder who choose to attend.
17. If the bid opening day is declared as holiday for HLL, the bid will be opened at the next working day of HLL.
18. Any bid received after the deadline will be rejected.
19. HLL reserves the right to accept or reject any or all of the bids without assigning any reason whatsoever.
20. The envelopes containing the bid shall be bearing the words “DO NOT OPEN BEFORE ..... “ (Here insert the time and date of bid opening).
21. No email or fax bids will be accepted

Thanking you,

Yours faithfully,

**P. Sivakumar**  
**Senior Manager (Hardware)**

**Annexure-1****20 KVA Double Conversion Online UPS – 1 No.**

Parameter	Rating	Location
<b>Input</b>		<b>AFT</b>
Phase	Three Phase with Ground	
Voltage Range	200 VAC – 460 VAC	
Frequency Range	45 – 55Hz	
Power Factor	> 0.95	
THDi	< 5 % with full Load	
Isolation Transformer	Yes	
<b>Bypass</b>		
Voltage Range	180 - 260 V	
Frequency Range	45 – 55Hz	
<b>Output</b>		
Voltage	220 VAC / 230 VAC / 240 VAC	
Voltage Regulation	± 1%	
Frequency	50 ± 0.1 Hz	
Harmonic Distortion (THDv)	<2% (linear load) <5% ( non-linear load)	
Output Waveform	Pure Sine Wave	
Crest Factor	3:1	
Efficiency (AC-AC)	93% @ Full Load	
Power Factor	0.9	
<b>Battery</b>		
Battery Type	SMF	
Make	Exide / Amaranaraja / Panasonic	
DC Voltage Range	240 - 360 VDC	
Minimum VAH	21000	
<b>Transfer Time</b>		
Line mode to battery mode	0ms	
Inverter to bypass	0ms	
Bypass to Inverter	0ms	
<b>General</b>		
Operating Temperature	0 to 45°C	
Design	DSP Controller Design	
Noise level	<55db @ 1meter	
Display	LCD Display	
Indications	<b>Input</b> : Voltage : Frequency <b>Battery</b> : Voltage : DC Bus voltage : Internal Temperature <b>Output</b> : Voltage : Frequency : Current : Power and Load Level	
Audible Alarm	Main Failure alarm / Low Battery Alarm / UPS Warning/ Overload / Fault / Bypass mode.	

**10 KVA Double Conversion Online UPS - 1 No.**

Parameter	Rating	Location	
<b>Input</b>			
Phase	Three Phase with Ground	IFC	
Voltage Range	200 VAC – 460 VAC		
Frequency Range	45 – 55Hz		
Power Factor	> 0.95		
THDi	< 5 % with full Load		
Isolation Transformer	Yes		
<b>Bypass</b>			
Voltage Range	180 - 260 V		
Frequency Range	45 – 55Hz		
<b>Output</b>			
Voltage	220 VAC / 230 VAC / 240 VAC		
Voltage Regulation	± 1%		
Frequency	50 ± 0.1 Hz		
Harmonic Distortion (THDv)	<2% (linear load) <5% ( non-linear load)		
Output Waveform	Pure Sine Wave		
Crest Factor	3:1		
Efficiency (AC-AC)	93% @ Full Load		
Power Factor	0.9		
<b>Battery</b>			
Battery Type	SMF		
Make	Exide / Amaranaraja / Panasonic		
DC Voltage Range	240 - 360 VDC		
Minimum VAH	10500		
<b>Transfer Time</b>			
Line mode to battery mode	0ms		
Inverter to bypass	0ms		
Bypass to Inverter	0ms		
<b>General</b>			
Operating Temperature	0 to 45°C		
Design	DSP Controller Design		
Noise level	<55db @ 1meter		
Display	LCD Display		
Indications	<b>Input</b> : Voltage : Frequency <b>Battery</b> : Voltage : DC Bus voltage : Internal Temperature <b>Output</b> : Voltage : Frequency : Current : Power and Load Level		
Audible Alarm	Main Failure alarm / Low Battery Alarm / UPS Warning/ Overload / Fault / Bypass mode.		

## **Annexure-2**

<b>Sl.No</b>	<b>Make</b>	<b>Rating</b>	<b>Batteries</b>	<b>Status</b>	<b>Location</b>
1	Numeric	5 KVA	10 Nos of Exide 6EL-75, 75 AH Tubular Batteries	Working	AFT
2	Numeric	5 KVA	Nil	Working	AFT
3	Numeric	5 KVA	Nil	Working	CHO
4	Numeric	5 KVA	Nil	Working	PFT

**CHO:** HLL Lifecare Ltd,  
HLL Bhavan, Poojappura,  
Thiruvananthapuram -695012  
Ph: 0471-2354949

**PFT:** HLL Lifecare Limited  
Peroorkada Factory,  
Peroorkada, Thiruvananthapuram – 695005.  
Ph: 0471 – 2437270.

**AFT:** HLL Lifecare Ltd  
Akkulam Factory  
Akkulam, Sreekaryam P.O  
Thiruvananthapuram - 695017.  
Ph: 0471-2442692

**IFC :** HLL Lifecare Limited  
Plot No.1, Rubber Park,  
Irapuram, Kunnathunada,  
Eranakulam - 683541  
Mob: 94464 55737